

Dear White Bear Lake Area High School Student:

WELCOME to White Bear Lake Area High School. Now is the time to plan for your future and we are prepared to help! This registration catalog has been prepared to help you make intelligent decisions about course selection so you can wisely assure your high school experience opens many doors for your future.

The White Bear Lake Area High School has a long history of providing a supportive community and strong schools. Our high school prides itself on offering comprehensive course offerings and extra-curricular activities to allow students to personalize their high school experience, grow in new areas, and challenge themselves to new heights.

While our staff is committed to supporting you toward success, your journey will require personal responsibility to consider your goals, evaluate course offerings, and make knowledgeable choices.

Here are some suggestions to help you in this process:

- ◇ Dream of a bright future and plan to make it happen. Discuss goals with your family, counselor, and teachers.
- ◇ Develop a four-year plan and revisit it annually to adjust as your goals change.
- ◇ Select required courses that challenge you and elective courses that interest you or support your goals.
- ◇ Assure that your courses meet all local graduation requirements.
- ◇ Consider your course selections as permanent. It is difficult to change courses after the registration process.
- ◇ Wear orange and black and be a BEAR!

It will not be long before you will be walking across the stage to receive your White Bear Lake Area High School diploma. This diploma is widely respected and will represent you well as you pursue your post-secondary opportunities. We look forward to partnering with you throughout your high school years.

Sincerely,

Don Bosch, Principal,
White Bear Lake Area High School North Campus

Tim Wald, Principal,
White Bear Lake Area High School South Campus

DIRECTORY

WHITE BEAR LAKE AREA HIGH SCHOOL

White Bear Lake Area High School
North Campus
5045 Division Avenue
White Bear Lake, MN 55110

www.isd624.org

White Bear Lake Area High School
South Campus
3551 McKnight Road
White Bear Lake, MN 55110

2011-2012 SCHOOL BOARD

Lori Swanson, Chair
Chris Hiniker, Vice Chair
George Kimball, Treasurer
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Kim Chapman
Janet Newberg
Bob Shevik

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Superintendent of Schools
David Law – 407-7567
Assistant Superintendent
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Marisa Vette – 407-7695
Director of Communications and Community Relations

NORTH CAMPUS

Don Bosch, Principal – 653-2915
Dion Harriman, Associate Principal – 653-2966
Jennifer Johnson, Counselor (Students A-Hi) – 653-2926
Brian Merhar, Counselor (Students Hj-Pe) – 653-2927
Kelly Neff, Social Worker (Students Pf-Z) – 653-2945
Josie Robinson, Career Counselor – 773-6224

SOUTH CAMPUS

Tim Wald, Principal – 773-6204
Brian Leonard, Associate Principal – 773-6203
Christina Pierre, Associate Principal – 773-6201
Jeff Nowak, Counselor (Students A-Hi) – 773-6223
Ryan Poepard, Counselor (Students Hj-Pl) – 773-6226
Rochelle Vavricka, Counselor (Students Pm-Z) – 773-6225
Josie Robinson, Career Counselor – 773-6224



*The White Bear Lake Area School District
builds quality lives and strong communities
through compassion, integrity, respect,
responsibility and service.*

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REGISTRATION

Students register for courses in January. Students are urged to read this catalog and listen to counselor presentations given in regard to registration. Although parents, counselors, teachers and principals can provide advice concerning course selection, **the final responsibility for course selection and meeting the District requirements rests with the student.** Students who have questions about course selection should ask staff members to assist them.

PARENT INFORMATION NIGHTS

Class of 2016
January 10, 7 p.m.
North Campus Theater

Class of 2015
January 10, 6 p.m.
North Campus Theater

Class of 2014
January 5, 7 p.m.
South Campus Theater

Class of 2013
January 5, 6 p.m.
South Campus Theater

COUNSELOR PRESENTATIONS

Class of 2016
Central Middle School - January 9
Sunrise Middle School - January 10

Class of 2015
January 5 & 6

Class of 2014
January 9–13

Class of 2013
January 9–13

ONLINE REGISTRATION

Students and parents will be able to make course requests online following counselor presentations at each school.

All online course requests must be completed by January 27.

REGISTRATION PROCEDURES

- ⇒ Access the District's website: <http://www.isd624.org>
- ⇒ Go to **Quick Links** located on the left side of the website.
- ⇒ Scroll to **"Family Access"**
- ⇒ Enter Student or Family Access Login and Password

Look under "Course Selection for 2012-13" in the Message Center for step-by-step directions on how to request courses.

*Please visit
www.isd624.org
for more information.*

COURSE CANCELLATIONS/ PRIORITY ENROLLMENT

Students and parents/guardians should be aware that there is a possibility that some courses listed in the registration catalog may be canceled due to low enrollment or staff shortages. You will be notified of course cancellations as quickly as possible. In some instances, it may be necessary to reduce the number of sections in a course. When the number of sections of a course must be reduced, decisions will be made about which students will be admitted to and dropped from the course. Generally, higher grade level students will be given priority admission into a course when sections need to be limited.



GENERAL INFORMATION

CREDITS

Students are required to register for 6 credits each year. A semester course equals .5 credit and a year long course equals 1 credit. High school students who satisfactorily complete a high school course shall receive secondary course credit and the credit shall count towards the student's graduation requirements.

ADDITIONAL CREDIT OPTIONS

White Bear Lake Area High School (WBLAHS) offers opportunities for students to earn additional credit in required courses beyond the regular school day. These options will "free up" space in students' schedules, allowing them to take an additional course(s). Registration for additional credit opportunities is available in the Guidance Office. Additional credit opportunities are available through the following options:

NORTH CAMPUS – Students may enroll in the Health/Physical Education 9 course that is held after school or during the summer to fit individual student needs. The following options are available for this course:

After School – Available both first and second semester and runs Monday–Friday from 2:20–3:15 p.m.

Summer School – Monday–Thursday from 8:00 a.m.–12:00 p.m. Tentative summer school dates are June 18–July 26.

Apex – This online summer school course is offered in partnership with our Area Learning Center and closely follows the tentative summer school dates of June 18–July 26. Course availability is based on enrollment. Upper classmen who are in need of course credit for graduation will have priority. (*See Apex description below*).

SOUTH CAMPUS – Students may access multiple program opportunities to fit individual student needs.

Zero Hour – Zero Hour courses begin at 7:00 a.m. each day. Students may choose Economics (#4514), American Government (#4434) or Health/Physical Education (#1943). Course availability is based on enrollment and seniors have priority. Contact your school counselor for more information.

Apex Online Courses – These courses are offered in partnership with our Area Learning Center, consist of web-based lessons and fulfill district and state requirements. Students complete the work independently, take tests in monitored settings, attend weekly check-ins, and have access to content area teachers for support. Apex courses in Economics, American Government, or elective Health may be taken during the summer or concurrently, in addition to a full course load during the school year.

Summer School Health/Physical Education Hybrid (#1943) – This course allows students to take the required 11/12 grade course during the summer. The course is built as a hybrid, combining both classroom and online settings. Course availability is based on enrollment.

Credit Recovery Summer School – These courses are designed for students who are behind in credit(s). Students will receive notification if Credit Recovery Summer School is recommended based on their progress during the prior two semesters. Classes meet from 8:00 – 11:00 a.m. Monday through Thursday. Tentative summer school dates are June 18–July 26.

WEIGHTED GRADE PROCEDURES

White Bear Lake Area High School will use both weighted and unweighted grades to calculate GPA and class rank and will present both on all transcripts. The dual ranking is provided to assure all students are shown in the best possible light for the purposes of college admissions and scholarship opportunities. Only Advanced Placement (AP), College in the Schools (CIS), and Project Lead the Way (PLTW) courses (except #2264) will be weighted, as these courses engage students in college level curriculum and have an external component that requires additional teacher training and assessment.

White Bear Lake Area High School uses a 4.0 grade scale. For the weighted GPA and class rank, regular point values for a letter grade of C or better in AP, CIS, and PLTW courses will be multiplied by 1.25:

<u>Regular Point Value</u>	<u>Weighted Point Value</u>
A = 4.0	A = 5.0
B = 3.0	B = 3.75
C = 2.0	C = 2.5
D = 1.0	D = 1.0
F = 0.0	F = 0.0

STUDENT RECOGNITION

The White Bear Lake Area High School diploma represents the pursuit of academic excellence. A student's transcript reflects their personal achievement and rigorous course selection. The top five percent of the graduating class based on both weighted and unweighted GPA and class rank are recognized as Honor Graduates. A new recognition policy is being considered by the school board for the Class of 2013 and beyond. This and all School Board policies are posted on the District Web page.

MINNESOTA STATE TESTING REQUIREMENTS

All students will be required to pass the Minnesota Comprehensive Assessments (MCA) GRAD state tests in order to graduate from a public high school in Minnesota. The writing test will first be administered in grade 9, reading in grade 10, and math in grade 11. Students who do not pass the reading, writing, or math GRAD test requirements will have opportunities to retake the GRAD component of the test during future testing sessions.

GRADUATION REQUIREMENTS

COURSE	REQUIRED CREDITS
Language Arts	4
Math	3
Science	3
Social Studies	3.5
PE/Health	1.5
Arts	.5
Electives	6.5
TOTAL	22



LANGUAGE ARTS (4 credits)

- 1.0 credit in Language Arts 9
- 1.0 credit in Language Arts 10
- 1.0 credit in Language Arts 11
- 1.0 credit in grade 12

MATH (3 credits)

- 1.0 credit in Algebra/Intermediate Algebra
- 1.0 credit in Geometry
- 1.0 credit in Algebra 2

If one or more of these courses is completed before grade 9, mathematics electives should be taken to fulfill the 3 credit requirement.

SCIENCE (3 credits)

- 1.0 credit in Physical Science in grade 9
- 1.0 credit in Biology in grade 10
- Class of 2013, 2014: 1.0 credit in science electives
- Class of 2015 and beyond: 1.0 credit in Chemistry or Physics

SOCIAL STUDIES (3.5 credits)

- .5 credit in Civics
- 1.0 credit in American History
- .5 credit in World History A
- .5 credit in World History B
- .5 credit in Economics
- .5 credit in American Government

PHYSICAL EDUCATION & HEALTH (1.5 credits)

- .25 credit in Health and .25 credit in PE in grade 9
- .5 credit in Health or PE elective sometime in Grade 10-12
- .25 credit in Health and .25 credit in PE in grade 11 or 12

ARTS (.5 credits)

- .5 credit in grades 9-12 (see list of courses in next column)

ELECTIVES (6.5 credits)

Any courses taken beyond the requirements listed above will count as elective credits.

ARTS REQUIREMENT

Students may choose from the following courses to fulfill the State Art Standards and the local graduation requirements:

Art

- Design
- Drawing & Painting 1
- Drawing & Painting 2
- Sculpture 1
- Sculpture 2
- Film Production 1
- Film Production 2
- Photojournalism
- Senior Studio Art
- Ceramics 1
- Ceramics 2
- Advanced Placement Studio Art
- Advanced Placement Art History

Family and Consumer Sciences

- Fashion Design & Sewing
- Housing and Interior Design

Language Arts

- Theater Arts

Music

- Choir
- Band
- Introduction to Music Theory
- Advanced Placement Music Theory

Physical Education

- World of Dance

Technology Education

- Digital Photography
- Graphic Arts 1
- Graphic Arts 2
- Advanced Graphic Arts
- Introduction to Engineering Design (PLTW)



ACADEMIC PLAN

SAMPLE FOUR-YEAR PLAN

Italics indicate courses that should have already been completed.

Shaded boxes indicate current registration year.

INCOMING 9th (CLASS OF 2016)

Grade 9		Grade 10	Grade 11	Grade 12
Language Arts		Language Arts	Language Arts	Language Arts
Math		Math	Math	Social Studies
Physical Science		Biology	Chemistry or Physics	PE/Health Elective**
Civics	Civics	American History	Social Studies	Health/PE
Elective		Elective*	Elective**	Elective
Elective		Elective	Elective	Elective

CURRENT 9th (CLASS OF 2015)

Grade 9		Grade 10	Grade 11	Grade 12
<i>Language Arts</i>		Language Arts	Language Arts	Language Arts
<i>Math</i>		Math	Math	Social Studies
<i>Physical Science</i>		Biology	Chemistry or Physics	Elective*
<i>Civics</i>	<i>Health/PE</i>	American History	Social Studies	Elective*
<i>Elective</i>		Elective*	Elective**	Elective
<i>Elective</i>		Elective	Elective	Elective

CURRENT 10th (CLASS OF 2014)

Grade 9		Grade 10	Grade 11	Grade 12
<i>Language Arts</i>		<i>Language Arts</i>	Language Arts	Language Arts
<i>Math</i>		<i>Math</i>	Math	Social Studies
<i>Physical Science</i>		<i>Biology</i>	Science	Elective*
<i>Civics</i>	<i>Health/PE</i>	<i>American History</i>	Social Studies	Elective
<i>Elective</i>		<i>Elective*</i>	Elective*	Elective
<i>Elective</i>		<i>Elective</i>	Elective	Elective

CURRENT 11th (CLASS OF 2013)

Grade 9		Grade 10	Grade 11	Grade 12
<i>Language Arts</i>		<i>Language Arts</i>	<i>Language Arts</i>	Language Arts
<i>Math</i>		<i>Math</i>	Math	Social Studies
<i>Physical Science</i>		<i>Biology</i>	Science	Elective*
<i>Civics</i>	<i>Health/PE</i>	<i>American History</i>	<i>Social Studies</i>	Elective
<i>Elective</i>		<i>Elective*</i>	<i>Elective*</i>	Elective
<i>Elective</i>		<i>Elective</i>	<i>Elective</i>	Elective

*.5 elective credit in Health or Physical Education must be taken in Grades 10-12

** .5 credit Health and Physical Education for Your Future (1943) must be taken in Grade 11 or 12

ACADEMIC PLAN

USE THIS PAGE TO HELP CREATE YOUR FOUR-YEAR ACADEMIC PLAN

GRADE 9

GRADE 10

SEMESTER 1	SEMESTER 2	Period	SEMESTER 1	SEMESTER 2
		1		
		2		
		3		
		4		
		5		
		6		

GRADE 11

GRADE 12

SEMESTER 1	SEMESTER 2	Period	SEMESTER 1	SEMESTER 2
		1		
		2		
		3		
		4		
		5		
		6		

ACADEMIC OPTIONS

COLLEGE LEVEL COURSES:

White Bear Lake Area High School is proud to offer three opportunities for students to participate in college level coursework. Advanced Placement (AP) and College in the Schools (CIS) include challenging coursework that has been developed to provide high school students an opportunity to take a college level class. Enrollment in these courses has increased significantly from 513 students in 2005 to 887 students in 2011.

Certified in 2009-10, Project Lead the Way (PLTW) courses offer students an introduction to the field of engineering, incorporating a rigorous college level curriculum and culminating in an end-of-course exam which may earn university credit.

Students who take AP, CIS or PLTW courses benefit from the rigorous coursework and generally achieve higher on the ACT. In addition, college admission counselors look for these courses when reviewing applications, as they are a good indicator of college preparedness.

During the 2011-12 school year, 60% of seniors took a college level course, while 32% took more than one course. Last year the U of M reported that our students enrolled in CIS courses saved more than \$500,000 in college tuition.

ADVANCED PLACEMENT (AP):

The CollegeBoard's Advanced Placement Program is an opportunity for students to pursue college-level courses while in high school. Participating colleges grant credit and/or advanced standing to students who have done well on the AP exams. More than 90% of the colleges and universities in the United States accept AP credits. A fee is charged by the testing service for each subject in which an exam is taken.

Students who enroll in these classes should be prepared for rigorous course work and/or have special interest and ability related to the subject. Students should check with the college/university they plan to attend to determine how they will award college credit. The following AP courses are offered at WBLAHS:

AP Physics	AP Music Theory
AP Chemistry	AP Macroeconomics
AP Calculus AB	AP Microeconomics
AP Calculus BC	AP European History
AP Statistics AB	AP U.S. Government & Politics
AP Studio Art	AP English Language & Composition
AP Art History	AP English Literature & Composition

Students who successfully complete an AP course and take the AP exam receive additional weighting in GPA calculating.

COLLEGE IN THE SCHOOLS (CIS):

These are introductory-level college courses offered by the University of Minnesota and WBLAHS for juniors and seniors. Each course has specific criteria for admission and interested students should confer with a counselor to determine eligibility. Students earn .5 credit per semester at WBLAHS and, upon request after graduation, a minimum of 3 credits at the University of Minnesota. College tuition is paid for the student through the Post Secondary Enrollment Options Act. CIS courses being offered during the 2012-13 school year are:

- eCIS: Writing Studio
- eCIS: Mathematical Modeling and Predictions
- CIS: Authority and Rebellion: American History to 1865
- CIS: Global America: US History Since 1865
- CIS: Introduction to Literature 1001
- CIS: German 1003/1004
- CIS: French 1003
- CIS: French 1003/1004
- CIS: Spanish 1003
- CIS: Spanish 1003/1004

CIS courses receive additional weighting in GPA calculations.

PROJECT LEAD THE WAY (PLTW):

The Project Lead the Way program at White Bear Lake Area High School has been awarded site certification by national Project Lead the Way. Students who successfully complete PLTW courses and pass the online end of course exam with a score of at least 85% can obtain a transcript from the University of Minnesota for 3 credits. Many colleges and universities in Minnesota and nation-wide accept the credits. PLTW courses offered during the 2012-13 school year are:

- Introduction to Engineering Design
- Principles of Engineering
- Digital Electronics
- Biotechnical Engineering
- Civil Engineering and Architecture

Students who successfully complete a PLTW course and take the PLTW exam receive additional weighting in GPA calculating.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP):

CLEP is a national program of credit by examination that offers students the opportunity to obtain recognition for college-level achievement. No matter when, where or how you have learned, by means of formal or informal study – you can take CLEP tests. If the results are acceptable to your college, you will receive credit.

Many colleges today encourage students to take CLEP tests for credit in courses for which they already have mastered the content. People of all ages have reduced college costs in time and money by successfully completing CLEP tests for credit. It is possible to receive up to one full year of college credit through these tests.

ACADEMIC OPTIONS

HONORS MENTOR CONNECTION:

This full year program is designed for juniors and seniors who have advanced knowledge in a particular field and would like to work with a professional mentor in that area. Each student will collaborate for at least 8 hours per week with his/her mentor at the mentor's place of work to design and complete an in-depth project. He/she will also meet weekly with other program participants from neighboring school districts. Students are required to provide their own transportation. Students accepted into the program will earn two elective credits.

POST SECONDARY ENROLLMENT OPTIONS (PSEO):

Under the PSEO Program, qualified juniors and seniors may attend eligible Minnesota post-secondary institutions (subject to college acceptance) with tuition, fees, and textbooks paid through the PSEO Act. Transportation and the cost of room/board are the responsibility of the student. Credits earned will be applied toward high school graduation requirements and may be accepted as college credits by post-secondary institutions. Students interested in PSEO are required to attend the PSEO meeting in February and meet with a South Campus counselor to submit a program plan. They are also responsible for submitting applications to their college of choice as well as taking any placement tests that the college requires. Application deadlines are determined by the various institutions.

INDEPENDENT STUDY:

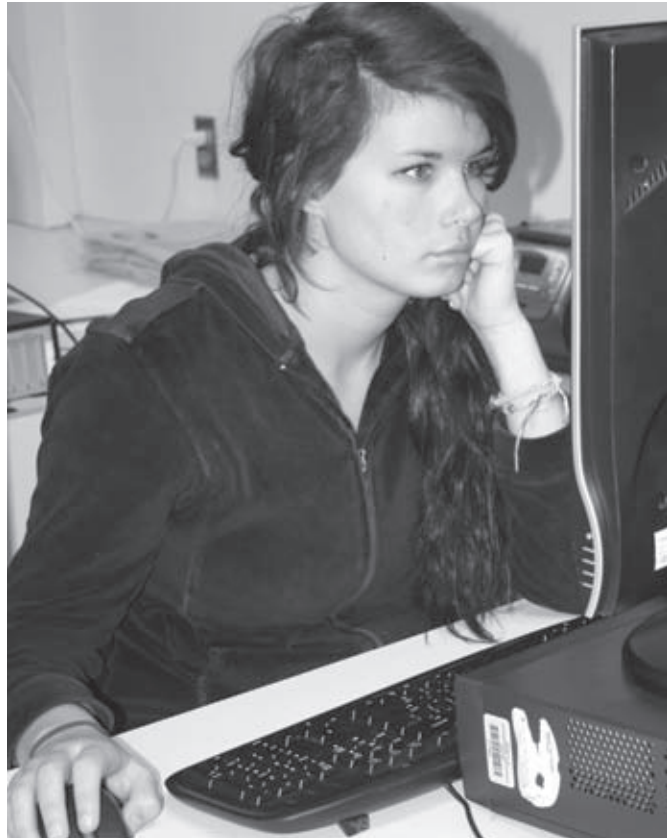
On occasion, opportunities are available for independent study, for which students receive credit applicable to meeting graduation requirements. Topics for independent study depend upon the interest of the student and availability of the teacher. Parent/guardian permission and administrative approval are required.

COURSE CREDIT FOR PRIOR LEARNING:

Students may test out of courses offered at WBLAHS and receive credit if the student is able to demonstrate mastery of the curriculum for that course. Contact your building administration for more information.

ENGLISH LEARNER PROGRAM:

The English Learner program focuses on the development of language skills in reading, writing, speaking, and listening. Our classes are designed to meet the needs of individual learners. English Learner programming is adjusted depending on the student's age, previous experience with Standard American English, and current English language needs. Contact your school's guidance office for more information regarding English Learner courses.



ONLINE LEARNING:

There are opportunities for students to complete courses online through a variety of accredited programs. Students interested in online courses should meet with their assigned counselor to discuss options. Online courses must be approved by the student's counselor prior to online registration to receive credit.

SPECIAL EDUCATION:

Parents/guardians of students who currently receive special education services are encouraged to contact their current case manager for additional help while making course selection for registration. See pages 42–44 for opportunities offered by White Bear Lake Area Schools.

NORTHEAST METRO CAREER AND TECHNICAL CENTER:

Northeast Metro 916 Career and Technical Center (CTC) is located at Century College. It offers a broad range of vocational courses aimed at strengthening students' job entry skills or preparing them for post-high school technical training. Enrollment is open to seniors in all courses and to juniors in most. All CTC courses meet daily for two hours and, with successful completion, fulfill two elective credits per year toward graduation. WBLAHS offers two vocational/technical education courses that are also offered at 916. These two courses are Auto Technology and Medical Careers. *Students must complete Auto Technology or Medical Career Exploration at the high school before they can enroll in those classes at 916.* Turn to page 52 or contact your counselor for more information.

Minimum Recommendations for College Preparation (Grades 9 through 12) Listed in Number of Years			
What is your goal?			
Community or Technical College	Traditional 4 Year University	Traditional 4 Year University	Selective 4 Year University
Example			
St. Paul College Century Dunwoody	Minnesota State Universities	University of Minnesota University of Wisconsin	Harvard Carlton Macalester
English - Including Composition and Literature			
4	4	4	4
Math - Including Algebra, Geometry, and Advanced Algebra			
3	3	3-4	4
Science Including Biological and Physical Science with Lab Experience			
2.5	3	3-4	4
Social Studies - Including U.S. History and World History			
3	3	3-4	4
World Language			
Desirable	2	2	3-4
The Arts/World Culture			
.5	1	1	1

NOTE: While the above table is a good guideline, it is recommended that specific college bulletins or websites be consulted for exact admission requirements.

Colleges consider the rigor of high school course loads when making admission decisions.

RESOURCES FOR COLLEGE PLANNING:

There are several resources available for post-secondary planning. Counselors are able to assist with college searches and the application process, career exploration, and choosing courses that best align with post-secondary plans, including applying to colleges and requesting transcripts.

All students participate in a four-year *Advisory Program*. Beginning in grade 9 students meet in small groups regularly during all four years of high school.

The purpose of *Advisory* is to enhance student success in high school coursework, develop skills for self-advocacy, and deliver a comprehensive post-secondary guidance program. In our changing world it is critical that all students leave high school college and/or career ready. *Advisory* is our commitment to assure students leave WBLAHS with a plan.

WBLAHS also has a web-based program called *NAVIANCE* to help students prepare and manage their post-secondary plans. In the *NAVIANCE* program, students can explore colleges and careers, take career assessments, search for scholarships, create resumes, and build 4-year academic plans. This comprehensive software is available to all WBLAHS students and enables them to create and manage their own personal portfolios.

NCAA DIVISION I AND II STUDENT ATHLETE ELIGIBILITY INFORMATION:

If you intend to participate in Division I or Division II athletics as a college freshman, you must register and be certified by the NCAA Clearinghouse. Students should apply after their junior year in high school for certification by the NCAA Clearinghouse. The NCAA is encouraging students to apply online at www.ncaaclearinghouse.net.

Division I Academic Eligibility Requirements:

1. Graduate from high school
2. Complete the following core curriculum:
 - English – 4 years
 - Math (Algebra 1 or higher) – 3 years
 - Natural or Physical Science (including one year of a lab course) – 2 years
 - Additional courses in English, Math, or Natural or Physical Science – 1 year
 - Social Science – 2 years
 - Additional academic courses (in any of the above areas or from foreign language, non-doctrinal religion, or philosophy) – 4 years
3. Have a core-course GPA (based on a maximum of 4.00) and earn a combined SAT or ACT sum score based on the qualifier index scale. The qualifier index scale can be found at the Clearinghouse Web site.

Division II Academic Eligibility Requirements:

1. Graduate from high school
2. Complete the following core curriculum and maintain a GPA of 2.00 or above:
 - English – 3 years
 - Math (Algebra 1 or higher) – 2 years
 - Natural or physical science (including one year of a lab course) – 2 years
 - Additional courses in English, math, or natural and physical science – 2 years
 - Social Science – 2 years
 - Additional academic courses (in any of the above or from foreign language, non-doctrinal religion, or philosophy) – 3 years
3. Have a combined SAT score of 820 or an ACT sum score of 68.

A list of WBLAHS courses that count toward the NCAA core curriculum requirements can be found at the NCAA Clearinghouse Web site. For more information in concern to NCAA eligibility and registration, please contact your counselor.

North & South Campus Offerings:

1006 - Design	(Grades 9-12)
1016 - Drawing & Painting 1	(9-12)
1056 - Drawing & Painting 2	(9-12)
1026 - Sculpture 1	(9-12)
1046 - Sculpture 2	(11-12)
1076 - Film Production 1	(9-10)
1066 - Film Production 2	(11-12)
1067 - Photojournalism	(11-12)
1071 or 1072 - Senior Studio Art	(12)
1086 - Ceramics 1	(11-12)
1096 - Ceramics 2	(11-12)
1099 - AP Art History	(11-12)
1079 - AP Studio Art	(11-12)

□ 1006 DESIGN

Semester/.5 credit *Grades 9-12*
Prerequisite: None
Level: General

This is an entry-level, foundation course that emphasizes fundamentals of art by teaching the elements and principles of design. Students will discover, critique, design and produce artwork in two and three dimensions. Students are exposed to a variety of design fields, including fashion design, graphic design and architecture. This is a great class to learn to be an artist and designer. There is a \$25 material fee for this course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1016 DRAWING & PAINTING 1

Semester/.5 credit *Grades 9-12*
Prerequisite: None
Level: General

This is an entry-level course that emphasizes the basics and fundamentals of the two-dimensional art world. Students discover, critique, design and produce artwork in a variety of media including drawing, painting, watercolor and several others. Various art styles are explored and students study some art history. This is a great class to learn to see and to communicate your visual interpretation. There is a \$25 material fee for this course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1056 DRAWING & PAINTING 2

Semester/.5 credit *Grades 9-12*
Prerequisite: Any introductory art course or instructor waiver.
Level: General

This course builds upon the fundamentals of two-dimensional art production. Students discover, critique, design and produce artwork in a variety of media including painting, printmaking, drawing, watercolor and others. Various art styles are explored and students study some art history. This is a great class to continue your exposure to exploring, understanding and producing drawings and paintings. There is a \$25 material fee for this course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1026 SCULPTURE 1

Semester/.5 credit *Grades 9-12*
Prerequisite: None
Level: General

This is an entry-level course that emphasizes the basics and fundamentals of the three-dimensional art world. Students discover, critique, design and produce artwork in a variety of media including plaster, foam, assemblage, clay and several others. Various art styles are explored and students study some art history. This is a great class to learn to think and create in three dimensions. There is a \$25 material fee for this course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1046 SCULPTURE 2

Semester/.5 credit *Grades 11-12*
Prerequisite: Any introductory art course or instructor waiver.
Level: General

This course builds upon the fundamentals of three-dimensional art production. Students discover, critique, design and produce artwork in a variety of media. Various art styles are explored and students study some art history. This is a great class to continue your exposure to exploring, understanding and making sculpture. There is a \$25 material fee for this course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1076 FILM PRODUCTION 1

Semester/.5 credit *Grades 9-10*
Prerequisite: None
Level: General

This is an introductory course that builds upon the fundamentals of production arts and sciences related to movie production. Students act as makers and marketers of visual media. They learn how technologies, techniques, and storyboarding are shaping today's media and influencing audiences of all ages. Students will learn the basics from pre-production to post-production. They will explore the unwritten language of images through writing, storyboarding, claymation, editing and the art of marketing. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1066 FILM PRODUCTION 2

Semester/.5 credit *Grades 11-12*
Prerequisite: Film Production 1 or Instructor Waiver
Level: General

This is an advanced course that will build upon the fundamentals of production arts and sciences related to movie production. Students will explore the unwritten language of images through writing, storyboarding, editing, and the art of marketing. Students will complete a film as independent filmmakers in this course, and will have the opportunity to construct their own vision separate from a group. In the course, students will build upon the imagery that is shaping today's media and influencing audiences of all ages. The encore to the course will be a student run film festival. Here students will have the opportunity to promote their film and show it to the public. Bravo! **Successful completion of this course satisfies the state requirement for the Arts.**



□ 1067

PHOTOJOURNALISM

*Semester/.5 credit Grades 11-12**Prerequisite: None**Level: General*

This course focuses on how to communicate as an artist and photojournalist. Today's world increasingly calls for photojournalists to communicate in a variety of mediums. The internet, newspapers and magazines all call for today's journalists and marketing majors to be versatile and capable of communicating in clear, skillful and precise ways. Students will learn to document aspects of everyday living using photo collage, mixed media, video and digital photography. Students will explore the history of photo communication and their personal world of visual ideas. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1071 - Semester

□ 1072 - Full Year

SENIOR STUDIO ART

.5 or 1 credit Grade 12

Prerequisite: Seniors who complete any two introductory art classes with grade of B+ or better, or advanced art course with grade of B+ or better or instructor waiver.
Level: Advanced

Senior Studio Art is offered as a semester or full year course. This class is designed for students with advanced interest and ability in art. The course is based on portfolio development for presentation and independent study. Students will develop a fully realized, thematically consistent, body of art. Group projects, speakers and a major field trip enhance student experience in the art field. Students participate in individual and group critiques. This is a challenging course for serious students who plan on making the arts a significant part of their life. There is a \$25 material fee for this course. **Successful completion of this course satisfies the state requirement for the Arts.**



□ 1086

CERAMICS 1

*Semester/.5 credit Grades 11-12**Prerequisite: None**Level: General*

This course will emphasize functional and decorative fundamentals of producing ceramic artwork. Students will apply the elements and principles of design to hand-built and wheel-thrown sculpture and pottery. Various art styles and historical contexts are explored and students will study some art history. There is a \$25 material fee for this course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1096

CERAMICS 2

*Semester/.5 credit Grades 11-12**Prerequisite: Ceramics 1 or instructor waiver.**Level: General*

Students will further their exploration of ceramic production and concentrate on selected methods. They will use the pottery wheel to make advanced pottery forms and pieces. Students will be exposed to several methods of traditional and contemporary surface decoration. This is a more independent based course for students who have already mastered introductory ceramic production. There is a \$25 material fee for this course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1079

ADVANCED PLACEMENT STUDIO ART

Full Year/1 credit Grades 11-12

Prerequisite: Seniors who complete any two introductory art classes with grade of B+ or better, or advanced art course with grade of B+ or better or instructor waiver.
Level: Advanced

AP Studio Art portfolio requirements are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios at the end of the school year for evaluation by the AP College Board. Most AP Studio Art candidates prepare their portfolios through organized AP instruction. The AP Program offers three possible choices in portfolio development. Students can opt for either drawing, 2-D design, or sculpture. Students show a fundamental competence and range of understanding in visual concerns. Each of the portfolios asks the student to demonstrate a depth of investigation by addressing three AP sections: (1) The breadth section asks students to demonstrate grounding in general visual principles and material techniques. (2) The quality section asks students to select five works that best exhibit a blending of form, technique and content. (3) A concentration section asks students to produce a series of thematically-related work. Students can opt to take this course for non AP credit. There is a \$25 material fee for this one-year course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1099

ADVANCED PLACEMENT ART HISTORY

*Full Year/1 credit Grades 11-12**Prerequisite: None**Level: Advanced*

This course will explore the art production and aesthetic intention of various cultures throughout history. Because some learning will come through individual study, this course will best fit dedicated and motivated students. Museum visits and guest speakers will enhance the class experience. Students may also earn college credit by taking and passing the AP Art test. **Successful completion of this course satisfies the state requirement for the Arts.**

Advancement Via Individual Determination (AVID) is an elective course for students in the academic middle who have the desire and determination to prepare for admission to four-year colleges and universities. The elective class provides students with the academic and motivational support to succeed in rigorous, college-preparatory courses. The AVID curriculum teaches college-level reading, writing, organizational and study skills. Two days per week in AVID class, students are coached by trained college tutors, and work collaboratively in groups with curriculum focused on writing and inquiry. The course also includes motivational presentations by guest speakers and field trips to college campuses.

□ 1301

AVID 9

Year/1 credit
Level: General

Grade 9

Prerequisite: Students who are interested must complete an application and participate in the selection process. Students are encouraged to apply to AVID who have: average to high test scores, GPAs in the range of 2.0 to 3.5, excellent attendance and behavior, and the desire and determination to take a rigorous course load.

□ 1302

AVID 10

Year/1 credit
Level: General

Grade 10

Prerequisite: Students who are interested must complete an application and participate in the selection process. Students are encouraged to apply to AVID who have: average to high test scores, GPAs in the range of 2.0 to 3.5, excellent attendance and behavior, and the desire and determination to take a rigorous course load.

□ 1303

AVID 11

Year/1 credit
Level: General

Grade 11

Prerequisite: Students who are interested must complete an application and participate in the selection process. Students are encouraged to apply to AVID who have: average to high test scores, GPAs in the range of 2.0 to 3.5, excellent attendance and behavior, and the desire and determination to take a rigorous course load.



Grade 9-10 Offerings:

Marketing
 Computer Applications for
 Business and College
 Career Investigation

Grade 11-12 Offerings:

Entrepreneurship and
 Business Management
 Marketing
 Honors Accounting
 Personal Finance
 Law
 Accounting 1
 Web Page Design
 Computer Applications for
 Business and College
 Communications Technologies
 Career Investigation

Articulated Courses:

Marketing - students who successfully complete this course may earn three college credits in *Principles of Marketing* at Century College.

1204 ENTREPRENEURSHIP AND BUSINESS MANAGEMENT

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

Business majors, entrepreneurs and small business owners! This course is an excellent foundation for post-secondary education bound and work force bound individuals. Students will apply knowledge, skills, and strategies to multi-disciplinary business projects. Projects will encompass management, economics and accounting skills. Students will hear from speakers in the business community and have the opportunity to visit a successful big business in the metro area. A final project will include creation of a business plan to start your own small business.

1214 MARKETING

Semester/.5 credit *Grades 9-12*
Prerequisite: None
Level: General

The dynamic field of marketing moves products and services in our world. This course will prepare students who are interested in majoring in marketing in college, being an entrepreneur, or learning the processes of producing, advertising, promoting, distributing and pricing products and services. Successful completion of this course with a B or better will earn three credits in *Principles of Marketing* at Century College.

1244 HONORS ACCOUNTING

Full Year/1 credit *Grades 11-12*
Prerequisite: None
Level: Advanced

The Honors Accounting course is a rigorous and demanding year long course that is designed for any student who is interested in any business field in college. This course will cover the first one and a half accounting courses in any Business Core of any business major by covering three areas of accounting: Financial Accounting, Managerial Accounting, and Financial Statements Analysis. Accounting Information Systems, Merchandising Companies, Taxes, Sales and Accounts Receivables, Time Value of Money, Accounting for Fixed Assets, Accounting for Debt, Accounting for Stockholder's Equity, Financial Statements, and Cost-Volume-Profit Analysis are all covered.

1274 PERSONAL FINANCE

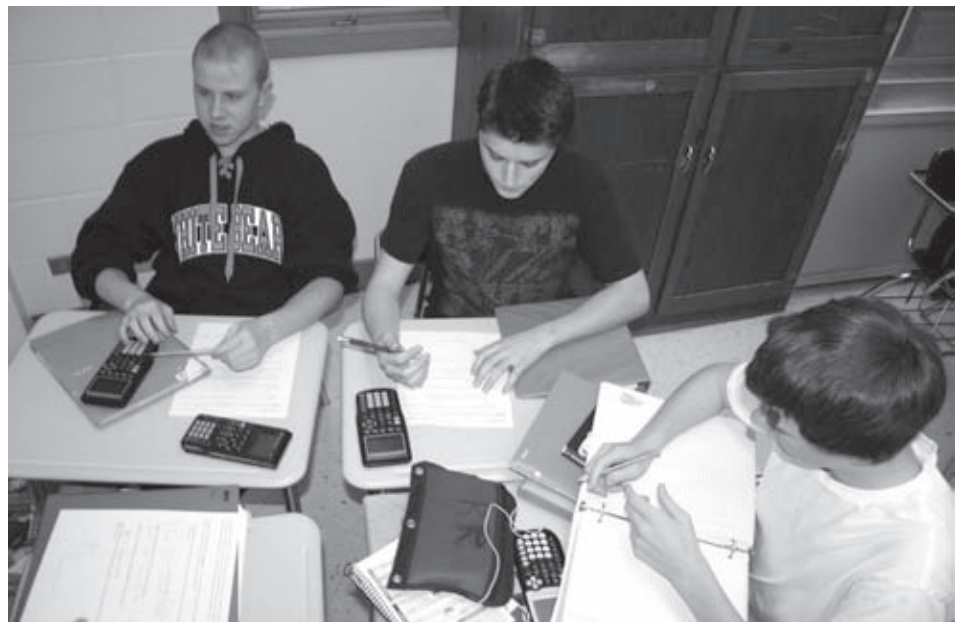
Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

It is more important than ever to have a solid and sound financial foundation as you move into adulthood. This fast paced course will give you the necessary skills and understanding to build wealth, be financially independent and successfully manage your finances. This course covers: credit, loans, credit cards, stocks, bonds, mutual funds, electronic fund transfers, banking services, checkbooks, budgeting, taxes, apartment leases, and understanding the process of purchasing or leasing and insuring a vehicle.

1224 LAW

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course focuses on the application and legal principles of our laws to enhance students' ability to use critical thinking skills to solve legal problems. A wide range of court cases, both current and historical, are used to help students learn about how our legal system has developed over time. A field trip to the Hennepin County Courthouse will give students a personal view of our laws and courts in action. Mock trials are the culminating activity in which students can demonstrate the principles and legal concepts learned.



1243

ACCOUNTING 1

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

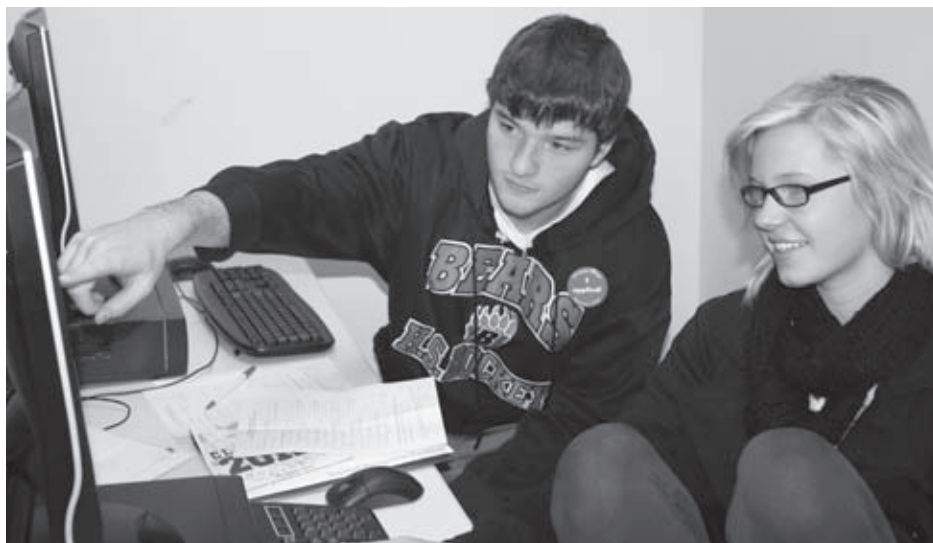
Accounting is the language and backbone of business. This course is designed to help those who are interested in entering the field of business, as well as to provide instruction in accounting activities that are useful in personal business transactions. The complete accounting cycle for a sole proprietor service business is covered as well as the first part of the accounting cycle for a partnership of a merchandising business. Students will learn how to keep the necessary accounting records for a sole proprietor business such as a trial balance, ledgers, worksheets, determine profit and loss, prepare income statements and balance sheets, as well as handle checking accounts.

1194

WEB PAGE DESIGN

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

Do you ever wonder how the Internet works? Have you ever thought of making your own Web page? This hands-on computer class shows you both! You will learn how to efficiently search the Internet for information and you will learn how to create your own Web pages. This class uses Dreamweaver, a sophisticated Web design software program, along with teaching HTML – the language behind the program. Students will learn to create Web pages with proper formatting, eye-catching graphics and meaningful text. Students will create Web pages for personal, school and business use.



1164

COMPUTER APPLICATIONS FOR BUSINESS AND COLLEGE

Semester/.5 credit *Grades 9-12*
Prerequisite: None
Level: General

Improve your grades and spend less time doing homework in other classes! This course will introduce appropriate formatting of personal and school documents by developing proficiencies in word processing, spreadsheets, Google Docs, and Powerpoint. Keyboarding technique will also be reinforced throughout this course. This is a “must have” class that allows students to transfer essential computer skills to other academic areas (i.e., spreadsheets in science, presentations in social studies and word processing skills in communications). Learn these skills now to save time in high school and college coursework with fast and accurate computer output and professional presentations.

1174

COMMUNICATIONS TECHNOLOGIES

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

Computers and communication are important skills for all students. This class will help open the students’ eyes to the emerging world of technology. Projects in this class will revolve around Microsoft Office, YouTube, wikis, electronic forums, Pod Casting, websites, and digital photos. Time will be spent looking at new emerging technologies as well. This is a great introductory class for students to take before advancing on to other computer courses.

1264

CAREER INVESTIGATION

Semester/.5 credit *Grades 9-12*
Prerequisite: None
Level: General

What does the future hold? What job opportunities will be available? How do you find jobs? What is involved in certain careers? What do they pay? This course helps you find the answers to these important questions. You will participate in career assessments and aptitude testing to find what careers fit your personality and interests. You will learn how to locate jobs and how to keep them. A diverse array of speakers share their real world experiences, and the Internet is used to find the most current information available.



PROJECT LEAD THE WAY (PLTW) Pre-Engineering

The PLTW program offers a sequence of courses, when combined with high level math and science skill acquisition, introduces students to the scope, rigor, and discipline of engineering technology prior to entering college. The sequence and comprehensive curriculum will allow students to explore their interest in engineering as a career. All PLTW courses provide students the opportunity to earn transcripted University of Minnesota credits upon successful completion of course requirements and the ability to demonstrate their understanding by scoring 85% or higher on the end of course online exam. PLTW grades are also weighted for grade point average calculations.

□ 2264

INTRODUCTION TO ENGINEERING DESIGN (PLTW)

Full Year/1 credit *Grades 9-12*
Prerequisite: None
Level: General

Introduction to Engineering is an introductory course which develops student problem solving skills with emphasis placed on the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by the use of Inventor software. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated using a design system. This course is being articulated with Century College. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 2265

PRINCIPLES OF ENGINEERING (PLTW)

Full year/1 credit *Grades 10-12*
Prerequisite: Students have completed Introduction to Engineering Design and successfully completed Algebra 1.
Level: Advanced

This course will help students understand the field of engineering/engineering technology and covers various technology systems and manufacturing processes. Using activities, projects and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change. Principles of Engineering's key concepts are communication, design process, statics, material testing and kinematics. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits.

□ 2266

BIOTECHNICAL ENGINEERING (PLTW)

Full Year/1 credit *Grades 10-12*
Prerequisite: None
Level: Advanced

The major focus of this course is to expose students to the diverse fields of biotechnology including biomedical engineering, molecular genetics, bioprocess engineering, and agricultural and environmental engineering. Lessons engage students in engineering design problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, forensics and bioethics. Students, usually 11th and 12th grade level, apply biological and engineering concepts to design materials and processes that directly measure, repair, improve and extend living systems. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits.

□ 2267

DIGITAL ELECTRONICS (PLTW)

Full year/1 credit *Grades 11-12*
Prerequisite: Successfully completed Algebra 1.
Level: Advanced

Digital Electronics is a course of study in applied digital logic that encompasses the design and application of electronic circuits and devices found in video games, watches, calculators, digital cameras, and thousands of other devices. Instruction includes the application of engineering and scientific principles as well as the use of Boolean algebra to solve design problems. Using computer software that reflects current industry standards, activities should provide opportunities for students to design, construct, test, and analyze simple and complex digital circuitry. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits.

□ 2268

CIVIL ENGINEERING AND ARCHITECTURE (PLTW)

Full year/1 credit *Grades 11-12*
Prerequisite: Principles of Engineering (PLTW)
Level: Advanced

The major focus of the Civil Engineering and Architecture (CEA) course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of this property. The course provides freedom to the teacher and students to develop the property as a simulation or to students to model the real-world experiences that civil engineers and architects experience when developing property.

The CEA course is intended to serve as a specialization course within the Project Lead the Way sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of both fields. Students will work in team, exploring hands-on projects and activities to learn the characteristics of civil engineering and architecture. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits.

English Learner (EL) courses are for students whose first language is not American English.

Course offerings include:

- EL Level One - Beginning
- EL Level Two - Intermediate
- EL Level Three - Advanced

1792

EL LEVEL ONE

Full Year/1 credit Grades 9-12
Prerequisite: Evaluation placement, EL teacher recommendation.

Full-year course replaces Language Arts. Standards met: WIDA and Language Arts Standards.

In this course you will acquire and expand listening, speaking, reading and writing skills in American English. Our purpose is to improve upon skills for social and academic success based upon the principles of Second Language Acquisition. The course is taught by a state-licensed EL teacher.

A Level One Student:

- is beginning to develop receptive and productive uses of English in the school context.
- demonstrates comprehension nonverbally or through the native language, rather than in English.

1794

EL LEVEL TWO

Full Year/1 credit Grades 9-12
Prerequisite: Evaluation placement, EL teacher recommendation.

Full-year course replaces Language Arts. Standards met: WIDA and Language Arts Standards.

In this course you will acquire and expand listening, speaking, reading and writing skills in American English. Our purpose is to improve upon skills for social and academic success based upon the principles of Second Language Acquisition. This course prepares students for the ACCESS (Assessing Comprehension and Communication in English State to State) test and the Minnesota Comprehensive Assessment (MCA). The course is taught by a state-licensed EL teacher.

A Level Two Student:

- is developing the ability to communicate in English within the school context.
- has errors that impede basic communication and comprehension.
- has emerging lexical, syntactic, phonological, and discourse features of English.

1796

EL LEVEL THREE

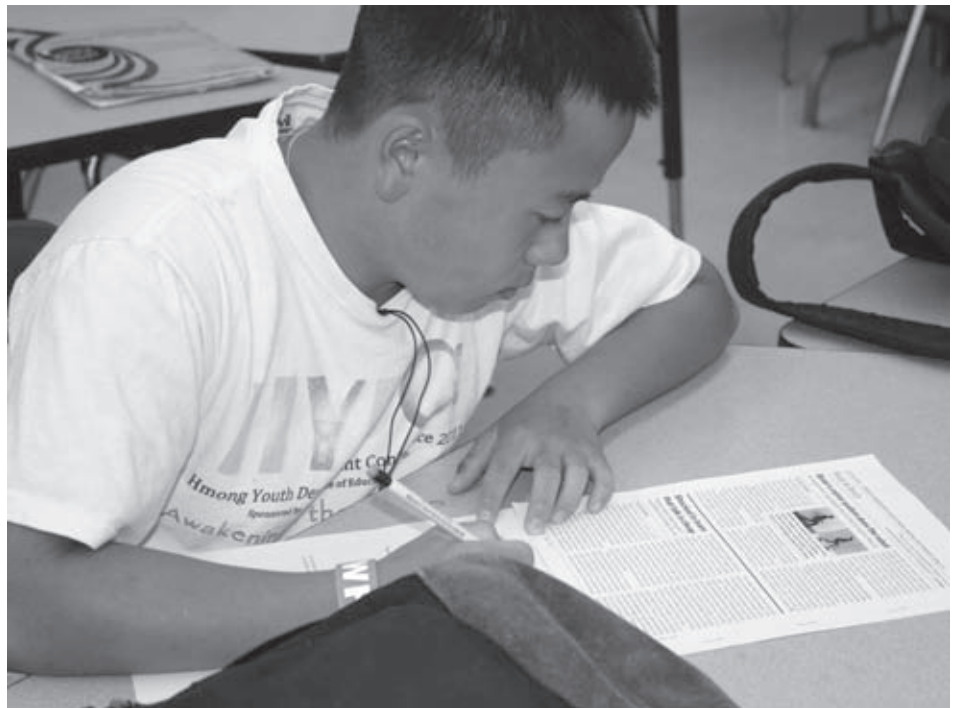
Full Year/1 credit Grades 9-12
Prerequisite: Evaluation placement, EL teacher recommendation.

Full-year course replaces Language Arts. Standards met: WIDA and Language Arts Standards.

In this course you will continue to improve speaking and listening skills, with greater emphasis placed on obtaining proficiency in reading and writing. Upon successful completion of EL Level 3 and teacher recommendation, students are prepared to enter the mainstream Language Arts program. Successful completion means a Measures of Academic Progress (MAP) overall score of 221, an ACCESS score of 4, and EL teacher recommendation.

A Level Three Student:

- is developing the ability to communicate effectively in English across a range of grade-level appropriate language demands in the school context.
- has errors that interfere with communication and comprehension.
- needs repetition and negotiation.
- exhibits a limited range of lexical, syntactic, phonological, and discourse features when addressing new and familiar topics.



FAMILY & CONSUMER SCIENCES

Includes:

- Foods & Nutrition
- Child Development & Parenting
- Families & Relationships
- Housing & Interior Design
- Fashion Design & Sewing
- Consumerism & Life Skills

Articulated Courses:

Early Childhood Education Lab

Students who successfully complete this course (80%) may earn three college credits in Introduction to Child Development at Century College.

Fashion Design & Marketing

In addition to high school credit, students with at least a "B" may earn three college credits if they attend Century College after high school.

2001

FOODS AND NUTRITION

Semester/.5 credit Grades 9-10

Prerequisite: None

Level: General

Students in this introductory foods course will further their technical skills related to basic cooking principles including food safety and sanitation, measuring, cooking procedures and techniques, nutrition, meal preparation and dining etiquette. Students will work in cooperative groups to prepare fruits and vegetables, quick breads, pastries, pastas, stir fries, pizza and meats while examining the nutritive values of these foods.

2002

INTERNATIONAL FOODS

Semester/.5 credit Grades 9-10

Prerequisite: None

Level: General

This course is an excellent choice for students wishing to experience and appreciate ethnic cooking. Students will plan, prepare and serve the foods of many countries while also studying and appreciating social, cultural and geographic aspects of those countries. Countries on the tour include Italy, France, China, Mexico, India and the Middle East Region.

2004

SENIOR FOODS

Semester/.5 credit Grade 12

Prerequisite: None

Level: General

Do you want to increase your cooking abilities? Then this could be the class for you! Senior Foods is a hands-on course that provides SENIORS an opportunity to plan and prepare exciting meals for family and friends. This course emphasizes nutrition concepts, healthful food preparation and cultural cooking. This class includes lots of labs!

2084

CULINARY ARTS

Semester/.5 credit Grades 11-12

Prerequisite: None

Level: General

Culinary Arts provides a hands-on opportunity for students to gain a deeper understanding of the food service industry. This is a course for students embarking on a culinary career or those who have a passion for the art of cooking.

2034

FASHION DESIGN & SEWING

Semester/.5 credit Grades 9-10

Prerequisite: None

Level: General

Students in this class will explore the world of fashion and clothing by way of sewing! Activities and study are directed by the elements of design, as well as basic sewing techniques and principles. Students will select several fashion projects to construct during the semester. This course provides students with a unique opportunity to combine creative expression, career exploration, and new technology skills, with the enhancement of their wardrobe! **Successful completion of this course satisfies the state requirement for the Arts.**

2044

FASHION DESIGN & MARKETING

Semester/.5 credit Grades 11-12

College Credit Available

Prerequisite: None

Level: General

Are you interested in fashion? Do you have dreams of becoming a fashion designer? Are you interested in finding out about the different careers that are available in the fashion industry? If you answered yes, then this is the course for you. Students will examine the fashion cycle and the physiological, economic, and sociological factors that influence fashion. The course also focuses on design trends in fashion all over the globe. In addition to high school credit, students with at least a "B" may earn three college credits if they attend Century College after high School.



□ 2114

HOUSING & INTERIOR DESIGN

Semester/.5 credit *Grades 9-10*
Prerequisite: None
Level: General

This course is an excellent choice for students wishing to explore design and decorating through an assortment of projects and activities. The course prepares students for occupations and higher education programs of study related to the spectrum of careers involving design, housing and interiors. Topics include the cultural, social, and psychological aspects of housing, housing styles, applications of the elements and principles of design, floor planning and client-centered portfolio designing. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 2094

LIVING ON YOUR OWN: CONSUMER ECONOMICS

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

Students will gain important life skills establishing personal financial planning, setting goals and priorities, career exploration, understanding leases, getting along with roommates, using credit and credit cards, learning consumer rights, understanding vehicle purchases and renting apartments.



□ 2054

PARENTING AND CHILD DEVELOPMENT

Semester/.5 credit *Grades 9-12*
Prerequisite: None
Level: General

This course prepares students for occupations and higher education programs related to the spectrum of child centered careers. Students will study the emotional, physical, intellectual and social growth of children, and understand the importance of strong parent-child relationships. The course will provide students with the knowledge and training to become effective parents, capable of establishing a strong family unit. Students will have the opportunity to practice overnight parenting with a Real Care computerized infant.

□ 2064

EARLY CHILDHOOD EDUCATION LAB

Semester/.5 credit *Grades 11-12*
Prerequisite: Parenting and Child Development
Level: Advanced

Students in this class will spend time in the community working with young children. Students will acquire skills in planning and directing the activities of children, basic child psychology, understanding socialization of children, and handling behavior problems. Students will begin to develop the skills necessary to manage a child development center or a pre-school program. This advanced course is designed for students who are interested in careers such as elementary education, day care provision, pediatrics or child psychology. Students who successfully complete this course will earn 3 college credits in Introduction to Child Development from Century College. Credits are typically transferrable to other post secondary institutions.

□ 2074

EXCEPTIONAL CHILD LAB

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

Students enrolled in this course will study characteristics of “exceptional children” and will work directly with multiple-handicapped young people. Through this experience in a special needs classroom, students will explore a wide variety of related career areas such as physical therapy, occupational therapy and speech therapy, becoming a special education teacher and teacher’s aide. This course won an award from the Governor’s office as an outstanding service learning experience for students.

□ 2128

EDUCATION CAREER LAB

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course is open to students who are interested in exploring a career in teaching early childhood and/or primary education. Students will spend part of their time in this course on site in preschool and elementary classrooms working with teachers and studying education issues.

□ 2104

EXPLORING RELATIONSHIPS: MARRIAGE AND FAMILY

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course examines the issues related to successful relationships. Topics include: mate selection and love, power and decision making, family finance, family violence, conflict resolution, family styles and traditions and marriage as a process. This course will provide instruction in many of the important aspects of marriage and family.

*Leading minds to learning,
 hearts to compassion,
 and lives to community service.*



Health and Physical Education Requirement:

Class of 2013 and Beyond:

.25 credit in Health and .25 credit in PE in Grade 9

.5 credit in Health or PE elective sometime in Grade 10-12

.25 credit in Health and .25 credit in PE in Grade 11 or 12

□ 1954

HEALTHY LIFESTYLES

Quarter/.25 credit *Grade 9*
Prerequisite: None
Level: General

This required course meets every other day and partners with Physical Education 9. Successful completion is required for graduation. This course focuses on topics related to personal and consumer health, addictions, mental health, family life and human sexuality. Students will have the opportunity to apply concepts of life-long health and disease prevention strategies. Diverse and current health issues will be studied.

□ 1913

CONSUMER-WISE HEALTH

Semester/.5 credit *Grades 10-12*
Prerequisite: None
Level: General

This elective health course will focus on how to stay healthy and self-manage acute illnesses and health conditions. Topics of interest will include health care, health insurances, nutrition, over the counter and prescription medication use, alternative medicine and when to access health care professionals. Students will have the opportunity to discover the mind, body and spirit connection in relation to health.

□ 1923

CURRENT TOPICS IN HEALTH

Semester/.5 credit *Grades 10-12*
Prerequisite: None
Level: General

This is a course that will address many issues that teens deal with every day. The class will be structured to allow an “in-depth” study in areas such as relationships, mental illnesses, fatigue and sleep deprivation, organ donation, immunizations, grief and loss, and college health and safety. Students will have the opportunity to choose issues that they would like to learn more about.

□ 1963

NEW MOVES

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This elective health course is specifically designed for students who have a desire to take charge of their health and fitness. New Moves evolved from a study conducted by the University of Minnesota Department of Epidemiology and the American Heart Association. Students will have the opportunity to participate in physical activities at the Northeast YMCA one to two times per week during the class period. Previous experiences have included yoga, spinning, body pump, pilates, self defense, aerobics and others. In the nutrition area, students will explore ways to make healthy food choices while leading a busy life, and how moods, stress and other people can influence food choices. It also includes exploring the concept of self-image and how personal factors as well as societal influences can affect how you feel about yourself. Students will explore ways to build self-esteem, improve body image and focus on enjoying the positive aspects in life.



□ 1983

KINESIOLOGY

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course will offer an in-depth study for students who have an interest in the bones and muscles of the human body and how they are involved in movement. Kinesiology is a multi-disciplined class which will combine biological sciences, medical science, health and physical education. Topics that will be integrated throughout this class will include medical terminology, sports injuries, injury prevention and exploration of medical careers. The students will have the opportunity to observe surgery at Tria Orthopaedic and learn about careers in health care. This course may be of particular interest to students who wish to pursue a career in health care.

1933

REAL WORLD HEALTH: A MULTICULTURAL APPROACH

Semester/.5 credit Grades 10-12
Prerequisite: None
Level: General

This elective health course will expose students to a variety of health conditions and disease issues that are prevalent in the United States and the world. The class will examine diverse perspectives and health beliefs on a multicultural level as they relate to epidemiology. A “Disease Detective” unit will focus on malaria, SARS, cholera, Avian Influenza and many other disorders. Students will learn about the causes and prevention of disease and injury while improving their research and analytical skills. Race and ethnicity health disparities will be explored. This course will have a “global” perspective.

1943

HEALTH AND PHYSICAL EDUCATION FOR YOUR FUTURE

Semester/.25 credit Health Grades 11-12
& .25 credit Physical Education
Prerequisite: None
Level: General

Health and Physical Education for Your Future is a culminating health and physical education requirement designed to equip students to make positive health and wellness choices both now and in the future. The required physical education component of this course consists of best practice fitness and nutrition trends. Participants will identify and apply dietary practices and fitness principles to achieve and maintain a healthy body that reduces health risks associated with a sedentary lifestyle. Students will develop and implement fitness and wellness activities along with nutritional strategies that will impact their overall health. The required health component of this course provides students with current health information about addictions, reproductive health, and the American Red Cross first aid and cardiopulmonary resuscitation techniques for infants, children and adults. Students opting to pay a participant fee will be awarded a full American Red Cross certification status. This is a “hands-on” class with many opportunities to learn life saving skills.



1993

MEDICAL CAREER EXPLORATION

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: General

This course will offer students the opportunity to explore various medical careers. The students will participate in investigation of medical careers through inventories, research, interviews and a culmination activity that will consist of a panel presentation by local health care professionals. The skills and knowledge that a health care professional must possess will also be included: working with others, communication skills, medical terminology, professionalism, and pathophysiology of various diseases and conditions will be covered. The students will have the experience of observing open heart surgery on a pig at the University of Minnesota Hospital. This class may be of particular interest to students who wish to pursue a career in health care.

2266

BIOTECHNICAL ENGINEERING (PLTW)

Full Year/1 credit Grades 10-12
Prerequisite: None
Level: Advanced

The major focus of this course is to expose students to the diverse fields of biotechnology including biomedical engineering, molecular genetics, bioprocess engineering, and agricultural and environmental engineering. Lessons engage students in engineering design problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, biomedical devices, forensics and bioethics. Students, usually 11th and 12th grade level, apply biological and engineering concepts to design materials and processes that directly measure, repair, improve and extend living systems. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college transcribed credits.



LANGUAGE ARTS

Four credits in Language Arts are required for graduation. Students should register for the following required courses:

Grade 9:

Language Arts 9 Introductory
Language Arts 9 or
Honors Language Arts 9

Grade 10:

Language Arts 10 Introductory
Language Arts 10 or
Honors Language Arts 10

Grade 11:

Language Arts 11 - Introductory
Honors Language Arts 11 or
AP English Language and Composition

Grade 12:

1 from the following:

Language Arts 12 - Introductory
AP English Language and Composition
AP English Literature and Composition
OR

2 from the choices listed below:

Composition 12: College Writing
Composition 12: Creative Writing
World Literature: Heroes & Journeys
World Literature: Analysis of Social and Political Context
World Literature: Dramatic Analysis
Modern Literature: Media & Film
CIS Introduction to Literature 1001

Senior GRAD Reading Skills:

Seniors who have not passed the Minnesota GRAD Reading Test required for graduation will automatically be registered for the Senior GRAD Reading Skills Class.

Additional courses offered as electives:

- Theater Arts
- Publications: Newspaper
- Publications: Yearbook

These course credits apply toward graduation, but do not fulfill the four-year Language Arts credit requirements.

□ 1523

LANGUAGE ARTS 9 INTRODUCTORY

Full Year/1 credit Grade 9
Prerequisite: Students will be recommended for this course by their counselor, 8th grade language arts teacher or reading teacher.
Level: Introductory

In this course students will develop basic reading, writing and speaking skills in cooperative and large groups. Reading skills emphasized include word meanings and relationships, comprehension and study skills. Students will be encouraged to develop an appreciation and understanding of literature (novel, poetry, short story, play) as well as to develop a positive attitude toward reading. Writing skills that are emphasized include sentence structure, paragraph development and writing short essays. **Special attention will be given to preparation for the Minnesota GRAD Test of Written Composition (grade 9) and MCA Reading Test (grade 10).**

□ 1533

LANGUAGE ARTS 9

Full Year/1 credit Grade 9
Prerequisite: None
Level: General

This course includes writing, reading, dramatizing, speaking, listening and researching. Special emphasis is placed on the elements of fiction in the short story, the novel and the play. **This essential course (required for graduation) provides preparation for the Minnesota GRAD Test of Written Composition (grade 9) and MCA Reading Test (grade 10).**

□ 1543

HONORS LANGUAGE ARTS 9

Full Year/1 credit Grade 9
Prerequisite:
Recommendation of 8th grade language arts teacher, demonstrated academic achievement and completion of summer reading component. A MAP reading score of 228 or above is recommended.
Level: Advanced

This course includes writing, reading, dramatizing, speaking, listening and extensive use of reference sources. Students are expected to read and comprehend at or above grade level and be able to write a coherent multi-paragraph composition. Extensive reading, research, and long-range assignments are required. Students who register for this class should be motivated, independent learners who display a positive attitude, and who possess the self-initiative to do major projects outside of class. **This essential course (required for graduation) provides preparation for the Minnesota GRAD Test of Written Composition (grade 9) and MCA Reading Test (grade 10).**

□ 1643

LANGUAGE ARTS 10 INTRODUCTORY

Full Year/1 credit Grade 10
Prerequisite:
Recommendation of 9th grade language arts teacher.
Level: Introductory

As a continuation of Language Arts 9 Introductory, this course emphasizes the basic development of reading, writing and thinking skills. Special emphasis is placed on vocabulary development, comprehension, study skills, speaking, listening and the appreciation and understanding of literature. The writing focus includes paragraph, multi-paragraph development, note taking and creative and reflective writing. Emphasis is placed on developing a positive attitude toward reading. **Special attention will be given to preparation for the MCA Reading Test.**

LANGUAGE ARTS

□ 1603

LANGUAGE ARTS 10

Full Year/1 credit Grade 10
Prerequisite: Language Arts 9
Level: General

This course emphasizes the skills of reading, writing, speaking and critical thinking. Reading selections include short-fiction, non-fiction, drama and novels. Writing activities include multi-paragraph composition and research skills. Students also work on vocabulary, spelling, grammar and thinking skills. **Special attention will be given to preparation for the MCA Reading Test.**

□ 1633

HONORS LANGUAGE ARTS 10

Full Year/1 credit Grade 10
(Students must also enroll in Honors American History)
Prerequisite: Recommendation of 9th grade language arts teacher, demonstrated academic achievement and completion of summer reading component. A MAP score of 231 or above is recommended.
Level: Advanced

This is an interdisciplinary course designed to develop higher levels of thinking. Students will engage in an in-depth study of post-Civil War American History and Literature. Students will earn one credit in Language Arts 10 and one credit in American History by taking this two-period course. This course emphasizes critical thinking, writing, reading, dramatization, speaking, listening, research and linguistics. Students are expected to read and comprehend at/or above grade level and be able to write logical, cohesive compositions. Students must be responsible and possess the self-initiative and discipline to do extensive reading, long-range assignments and in-depth research. This course is also listed in the Social Studies section. **Special attention will be given to preparation for the MCA Reading Test.**

□ 1793

THEATER ARTS

Semester/.5 credit Grades 9-12
Prerequisite: None
Level: General

This elective course focuses on the historical, social, performance and technical aspects of drama. The class will examine the historical elements of theater, artistic performances, and offer opportunities to practice dramatic skills. The class will promote the study and evaluation of classic film in regard to the areas of acting, direction, art direction and screenplay. Students will read plays, perform skits, write response papers, and engage in discussion. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1803

LANGUAGE ARTS 11: INTRODUCTORY LEVEL

Full Year/1 credit Grade 11
Prerequisite: Recommendation of 10th grade Language Arts teacher.
Level: Introductory

This course is a continuation in the Introductory Language Arts 9-12 course sequence. It emphasizes the basic development of reading, writing and thinking skills. Special emphasis is placed on vocabulary development, comprehension, study skills, speaking, listening, and the appreciation and understanding of literature.

□ 1823

LANGUAGE ARTS 11

Full Year/1 credit Grade 11
Prerequisite: Language Arts 10
Level: General

This course will strengthen students' reading, writing, speaking and listening skills. Each unit will integrate these skills with a concentrated study of literature. The American literature selections will be a mix of traditional, historical, and multicultural pieces. Students will read some novels in common and will have novel choices for independent reading. Students will continue to refine their writing skills and will be required to complete a variety of writing assignments in order to successfully complete this course.



□ 1833

HONORS LANGUAGE ARTS 11

Full Year/1 credit Grade 11
Prerequisite: Students will be recommended for this course by their 10th grade Language Arts teacher.
Level: Advanced

Through an intensive study of literature, with an emphasis on classic American texts, students in this course will refine their close reading skills. Students will improve their writing through a variety of assignments, focusing primarily on literary analysis. Through multiple writing and speaking assignments, students will learn to develop and support persuasive arguments.

□ 1813

LANGUAGE ARTS 12: INTRODUCTORY LEVEL

Full Year/1 credit Grade 12
Prerequisite: Recommendation of 11th grade Language Arts teacher.
Level: Introductory

This course is the final step in the Introductory Language Arts 9-12 course sequence. It is designed to facilitate student progress toward graduation. It emphasizes the basic development of reading, writing and thinking skills. Special emphasis is placed on the appreciation and understanding of literature and applying academic skills toward further experiences in post-secondary and workplace environments.

1843

COMPOSITION 12: COLLEGE WRITING

Semester/.5 credit Grade 12

Prerequisite: Language Arts 11

Level: General

A dynamic course in academic writing and college preparatory strategies. This course will give students the opportunity to improve idea development, resource synthesis, argument analysis, and logical reasoning. Writing modes include: FAQ document, literary and critical analysis, process analysis, compare and contrast, character profile, and expository writing.

1844

COMPOSITION 12: CREATIVE WRITING

Semester/.5 credit Grade 12

Prerequisite: Language Arts 11

Level: General

A course in the formal and creative writing processes. Students will study and create many written pieces in a challenging, student-centered environment that fosters reading, drafting, peer networking, revising and presenting/publishing. Writing modes will include literary response, narrative, dialogue, poetry, monologue, memoir/autobiography, and non-fiction.

1845

WORLD LITERATURE: HEROES & JOURNEYS

Semester/.5 credit Grade 12

Prerequisite: Language Arts 11

Level: General

A study of literary patterns: the hero's journey, the circle of life, and many other world archetypes. This is a course designed for students who are intrigued by the timeless struggles of early civilizations and the modern dilemmas faced by contemporary figures. Students will study world literature, folklore, memoir and other related stories from many different time periods. Students will be expected to create formal writing assignments and present projects.



1846

WORLD LITERATURE: ANALYSIS OF SOCIAL AND POLITICAL CONTEXT

Semester/.5 credit Grade 12

Prerequisite: Language Arts 11

Level: General

A study of the power of language as a tool for social change both past and present. Students will study works of various world authors and forms. Students will explore how literature and literary techniques are used to influence cultural shifts, political movements, and literary genres. Students will be expected to create formal writing assignments, present projects, and participate in discussion.

1848

WORLD LITERATURE: DRAMATIC ANALYSIS

Semester/.5 credit Grade 12

Prerequisite: Language Arts 11

Level: General

The formal study of scripts, screenplays, dramaturgy, performance and dramatic interpretation. Students will alternate among the roles of scholar, actor, director and researcher in this rigorous course. Student participation is a key component of the course; students should have a desire to improve speaking, writing and performance skills. Students will analyze plays and will be expected to create formal writing projects and present information.

1849

MODERN LITERATURE: MEDIA & FILM

Semester/.5 credit Grade 12

Prerequisite: Language Arts 11

Level: General

A complex course studying the different mediums of language: writing, speaking, visualization and audio analysis. Students will analyze the techniques of various print, film and multi-media selections. Students will analyze audience and bias to draw conclusions about the artistic merit and logical credibility of the different selections. All students will be expected to create formal writing assignments/projects. This course fulfills the graduation requirement for language arts. **This course does not meet NCAA Clearinghouse eligibility.**

1704

COLLEGE IN THE SCHOOLS: INTRODUCTION TO LITERATURE ENGL 1001W

Semester/.5 credit (WBLAHS)

4 Semester credits (U of M) Grade 12

Prerequisite: Students must

meet two of the following: Top 20% of their class, teacher recommendation, and satisfactory application essay.

Level: Advanced

Engl 1001 is a University of Minnesota literature course. Students will explore significant examples of 20th Century writing, ranging from the traditional to the experimental, through extensive reading, writing, presenting, and researching. The course will also introduce students to the basic concepts of literary theory. This is a college-level, discussion-centered course; hence, students will have greater freedom than in most high school courses. This mandates that students have a high level of personal investment in the course. Students will be expected to think analytically and to take intellectual and creative risks. They will apply course concepts toward the production of an extensive writing portfolio. Students are dual enrolled at the University of Minnesota and WBLAHS. The semester grade will be recorded at both institutions. Pre-course reading is required. Students will be contacted by the instructor prior to the start of the term.

□ 1850

ENTRY POINT COLLEGE IN THE SCHOOLS: WRITING STUDIO ENGL 1201

*Full Year/1 credit (WBLAHS)
4 Semester credits (U of M) Grade 12
Prerequisite: Teacher
recommendation, academic
middle (between the 50-80
percentiles), completed application.
Level: General*

Engl 1201 is a University of Minnesota writing course that meets the language arts requirements for grade 12. This course will focus on improving the writing skills of college-bound students. This college-level course will center on critical thinking skills and specific writing techniques to assist students in becoming stronger writers. In addition, a portion of the class will focus on college readiness. We will assist in the college application process, ACT/SAT testing, financial aid and the exploration of picking a college. Students will be expected to handle a college-level workload and high academic standards. Students must have a personal interest in improving their writing skills and be willing to participate in class discussions and off-campus visits. This class prepares students to write at the college level.

□ 1779

ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION

*Full Year/1 credit Grades 11-12
Prerequisite: Teacher
recommendation and
satisfactory application essay.
Level: Advanced*

The AP course in English Language and Composition engages students in becoming skilled readers of prose, skilled rhetorical thinkers, and skilled writers who compose for a variety of purposes. Students write several papers, formal and informal, in a variety of forms – narrative, descriptive, expository and argumentative – much as they would in most first-year college writing courses. Students receive high school credit for the course. They may also earn college credit by taking and passing the AP exam. Outside reading and writing is required, as is summer or pre-class reading and writing.

□ 1789

ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION

*Full Year/1 credit Grade 12
Prerequisite: Teacher
recommendation and
satisfactory application essay.
Level: Advanced*

This course constitutes a study of various classic literary works and a study of the styles and the philosophies of the eras included. Students will read novels, short stories, poetry, plays, and essays. They will learn techniques for thinking deeply and critically about literature. Students receive high school credit for the course. They may also earn college credit by taking and passing the AP exam. Outside reading and writing is required, as is summer or pre-class reading and writing.

□ 1763

PUBLICATIONS: YEARBOOK

*Full Year/1 credit Grades 11-12
Prerequisite: Application
required and final selection
based on teacher recommendation.
Level: General*

This elective course is designed for students with a strong interest in writing and a commitment to being on the *Matoskan* yearbook staff. Students will learn and directly apply layout design, interview techniques, thematic development, feature writing and other journalistic writing skills. Course work involves lab and instructional time, including required spring and summer meetings and assignments. Evaluation is based on productivity, ability to work cooperatively within a group, meeting deadlines and overall contribution to the final yearbook product. Students will need to apply for the course, and the final selection will be based on a teacher recommendation.

□ 1773

PUBLICATIONS: NEWSPAPER

*Semester/.5 credit Grades 11-12
Prerequisite: Application
for Bear Tracks staff is required.
Level: General*

This elective course will focus on producing *Bear Tracks*, the online school newspaper. The course includes instruction and hands-on experience in journalistic writing, layout, proofreading, advertising and other skills necessary in the production of a newspaper. The process of writing will be applied to exploring news, features, editorials, sports and other aspects of writing for publication. Evaluation is based on productivity, ability to work cooperatively within a group, meeting deadlines and overall class contribution. Academic lettering is possible through extracurricular participation.

□ 1863

SENIOR GRAD READING SKILLS

*Semester/.5 credit Grade 12
Prerequisite: Students who
have not passed the Minnesota
GRAD Reading Test
Level: General*

This course is designed to address the content of the Minnesota GRAD Reading Test. Students will be automatically enrolled in this course if they have not passed the GRAD Test. The benchmarks for this test are within the reading strand: comprehension, inference, literature, and vocabulary expansion.



MATHEMATICS

Students are required to take three years of high school mathematics and pass the state required MCA/GRAD test in mathematics before graduation. The three years of coursework must include classes with a content focus of Algebra, Geometry, and Algebra 2. The following sequences represent our recommendations for students who wish to take four years of math.

CLASS OF 2013					
	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade ELECTIVE OPTIONS
Introductory Sequence	8th Grade Math	Algebra Introductory	Geometry Introductory	Algebra 2 Introductory	Algebra 2
College or Career Ready	8th Grade Math	Algebra 1	Geometry	Algebra 2	Pre-Calculus w/Trig or Algebra 3/Trig & Pre-Calculus A or AP Statistics
AP Calculus Sequence 1	Algebra 1	Honors Geometry	Honors Algebra 2	Pre-Calculus with Trigonometry	AP Calculus AB and/or AP Statistics
AP Calculus Sequence 2	8th Grade Math	Accelerated Geometry & Algebra 1	Accelerated Algebra 2	Pre-Calculus with Trigonometry	AP Calculus AB and/or AP Statistics
CLASS OF 2014 AND BEYOND					
	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade ELECTIVE OPTIONS
Introductory Sequence	Algebra 1	Intermediate Algebra Introductory	Geometry Introductory	Algebra 2 Introductory	Algebra 2
College or Career Ready	Algebra 1	Intermediate Algebra	Geometry	Algebra 2	Pre-Calculus w/Trig or Algebra 3/Trig & Pre-Calculus A or AP Statistics
AP Calculus Sequence 1	Geometry (with Algebra 1 in 7th Grade)	Honors Algebra 2	Honors Pre-Calculus with Trigonometry	AP Calculus AB and/or AP Statistics	AP Calculus BC and/or AP Statistics
** AP Calculus Sequence 2	Algebra 1	Accelerated Geometry & Algebra	Accelerated Algebra 2	Pre-Calculus with Trigonometry	AP Calculus AB and/or AP Statistics

**** Students will enroll in this sequence if they have a Spring 7th grade or Fall 8th grade MAP score of 235 or better, and A's or B's in all quarters of 7th and 8th grade Mathematics. See course description for more information.**

Introductory Sequence:

This sequence is intended for students who will benefit from additional support in meeting math graduation requirements. Students are recommended for this course by reviewing Standardized Test Scores (NWEA MAP Scores and MCA Scores) as well as by teacher recommendation. Students can move from the Introductory Sequence to the College Preparatory Sequence with adequate improvement in skills.

College Prep Sequence:

Students will participate in a challenging course of study which allows for many college preparatory options for seniors.

AP Calculus Sequence 1:

Students continue to work at an advanced level of depth and breadth in their courses with the ultimate goal of studying AP Calculus or AP Statistics during their senior year.

AP Calculus Sequence 2:

This sequence is intended for students who did not complete advanced level coursework in middle school but are prepared to take on advanced level study in high school. Our 9th and 10th grade "Accelerated" coursework maintains a focus on Geometry with a review of Algebra during year 1 and Algebra 2 during year 2, enabling students to take AP Calculus during their senior year.

GRAD Mathematics and Senior GRAD Skills:

Students who need additional help passing the GRAD math test as determined by teacher recommendation and standardized test scores will be able to take advantage of the GRAD Mathematics course. Students who do not pass the GRAD test in 11th grade will automatically be registered for the Senior GRAD skills class.

MATHEMATICS

Credit Requirement:

Students are required to earn **3 credits** in high school mathematics in order to graduate from high school.

Most students in high school will enroll in **Intermediate Algebra, Geometry, and Algebra 2**.

Those students who enroll in Geometry in 8th grade will begin their high school courses by enrolling in **Honors Algebra 2**.

The **GRAD Mathematics** course is offered as an elective credit and is intended to provide students with additional preparation for the required graduation test called the GRAD (see below).

Additional Graduation Requirements:

In order to graduate from high school, students must also meet the State of Minnesota testing score requirements. The testing score requirements state that students must **either earn a proficient score on the 11th grade Mathematics MCA, or earn a passing score on the GRAD Mathematics assessment.**

□ 3043

INTERMEDIATE ALGEBRA: INTRODUCTORY LEVEL

Full Year/1 credit *Grade 9*

Prerequisite: Students will be selected for this course based on the recommendation from an eighth grade math teacher.
Level: Introductory

Emphasis in this course is on having students work with real data, real-life situations, and real-world applications. Students enrolled in this course will complete the same content requirements as the Algebra 1 course. Topics include: proportional reasoning, linear equations, systems of equations and inequalities, exponents and exponential models, functions and quadratic models and probability.

□ 3033

INTERMEDIATE ALGEBRA

Full Year/1 credit *Grades 9-10*

Prerequisite: Eighth grade math or teacher recommendation
Level: General

Emphasis in this course is on having students work with real data, real-life situations, and real-world applications. Topics include: proportional reasoning, linear equations, systems of equations and inequalities, exponents and exponential models, functions, quadratic models and probability.

□ 3093

GEOMETRY: INTRODUCTORY LEVEL

Full Year/1 credit *Grades 10-12*

Prerequisite: Introductory Algebra 1.
Students are placed in this course by teacher recommendation only.
Level: Introductory

Emphasis in this course is on developing a strong understanding of geometry through hands on exploration and the use of technology. Students enrolled in this course will complete the same content requirements as the geometry course. Topics include: reasoning in geometry, using tools of geometry, triangle properties, polygon properties, circle properties, transformations and tessellations, area, volume, Pythagorean Theorem, similarity, congruence and proof.

□ 3073

GEOMETRY

Full Year/1 credit *Grades 10-12*

Prerequisite: Intermediate Algebra or teacher recommendation
Level: General

Emphasis in this course is on developing a strong understanding of geometry through hands-on exploration and the use of technology. Topics include: reasoning in geometry, using tools of geometry, triangle properties, polygon properties, circle properties, transformations and tessellations, area, volume, Pythagorean Theorem, right triangle trigonometry, similarity, congruence and proof.



□ 3103

HONORS ALGEBRA 2

Full Year/1 credit *Grade 9*

Prerequisite: 8th Grade Geometry or teacher recommendation
Level: Advanced

This course is meant for those students who intend to take AP Calculus. Topics include: describing data, linear models and systems, functions and transformation, exponential functions, power functions, logarithmic functions, matrices, quadratic functions, rational functions, applications of probability and statistics.

□ 3054

ACCELERATED GEOMETRY & ALGEBRA 1

Full Year/1 credit *Grade 9*

Prerequisite: None
Level: Advanced

Successful students in this course are those who have achieved a score of at least 235 on the NWEA MAP test in the Spring of 7th grade or Fall of 8th grade and have earned A's or B's every quarter in their 7th and 8th grade math classes.

The focus of the course is on developing strong understanding of geometry through hands-on exploration and the use of technology. Topics include: reasoning in geometry, triangle properties, polygon properties, circle properties, transformations and tessellations, area, volume, Pythagorean Theorem, right triangle trigonometry, similarity, congruence and proof. This course also includes a review of algebra concepts including: linear equations, solving systems of equations, functions, transformations and quadratic models.



MATHEMATICS

□ 3063

ACCELERATED ALGEBRA 2

Full Year/1 credit Grade 10

Prerequisite: Accelerated
Geometry and Algebra 1
Level: Advanced

This course begins with completion of the following Geometry topics: area, Pythagorean Theorem, volume, similarity and Trigonometry. The remainder of the course will include the following Algebra 2 topics: patterns and recursion, central tendency, standard deviation, percentiles, systems of linear equations (including solving using matrices and linear programming), functions, relations, transformations, exponential equations, quadratics, probability and statistics.

□ 3233

ALGEBRA 2

Full Year/1 credit Grades 11-12

Prerequisite: Geometry
Level: General

Topics include: describing data, linear models and systems, functions and transformation, exponential functions, power functions, logarithmic functions, matrices, quadratic functions, rational functions, applications of probability and statistics.

□ 3113

ALGEBRA 2: INTRODUCTORY LEVEL

Full Year/1 credit Grades 11-12

Prerequisite: Students will be selected for this course based on a recommendation from a previous math teacher.

Level: Introductory

Students enrolled in this course will complete the same content requirement as the Algebra 2 course. Topics include: Describing data, linear models and systems, functions and transformations, exponential functions, power functions, matrices, quadratic functions, rational functions, applications of probability and statistics. Students who complete this course successfully should enroll in Algebra 2 if they wish to take an additional mathematics course.

□ 3104

ALGEBRA 3/TRIGONOMETRY

Semester/.5 credit Grades 11-12

Prerequisite: Algebra 2
Level: General

This course will address topics found on standardized college entrance exams and may be used to satisfy the prerequisite for Pre-Calculus. Through an examination of trigonometry, complex functions and in-depth study of high level symbolic manipulation students will further enhance their mathematical confidence and reasoning ability. This course may be paired with Pre-Calculus A to create a full year of mathematics.

□ 3174

PRE-CALCULUS A

Semester/.5 credit Grades 11-12

Prerequisite: Algebra 3/
Trigonometry
Level: Advanced

The student will continue the in-depth study of algebraic topics and functions begun in Algebra 3/Trigonometry. Topics to be covered include function theory, polynomial functions, and exponential and logarithmic functions. Pre-Calculus A is intended to be paired with Algebra 3/Trigonometry to create a full year mathematics course.

□ 3173

PRE-CALCULUS W/TRIGONOMETRY

Full Year/1 credit Grades 11-12

Prerequisite: Algebra 2
with a grade of a B or higher or
Algebra 3/Trigonometry or teacher
recommendation
Level: Advanced

The student will learn mathematical concepts leading to the study of calculus. This course is essential for a student planning a scientific career. Topics to be covered include linear relations, inverse relations, parametric equations, function theory, graphing techniques, exponential and logarithmic functions, trigonometric functions, sequences and series, and conic sections.

□ 3133

HONORS PRE-CALCULUS W/TRIGONOMETRY

Full Year/1 credit Grade 10

Prerequisite: Honors Algebra 2 with
a grade of a B or higher or teacher
recommendation
Level: Advanced

The student will learn mathematical concepts leading to the study of calculus. This course is essential for a student planning a scientific career. Topics to be covered include linear relations, inverse relations, parametric equations, function theory, graphing techniques, exponential and logarithmic functions, trigonometric functions, sequences and series, and conic sections, and an examination of limits.

□ 3175

PRE-CALCULUS B

Semester/.5 credit Grade 12

Prerequisite: Pre-Calculus A
Level: General

The student will continue to learn mathematical concepts leading to the study of calculus. This course is a continuation of Pre-Calculus A. Topics to be covered include exponential and logarithmic functions, trigonometric functions, sequences and series, conic sections, and an examination of limits. Students are encouraged, but not required, to enroll in both Pre-Calculus w/Trigonometry B and Calculus A to be taken in consecutive semesters.

□ 3141

GRAD MATHEMATICS

Semester/.5 credit Grades 10-11

Prerequisite: None
Level: General

This course is designed to address the content on the GRAD Mathematics test. The benchmarks for this test are within the following four strands: number sense, patterns, functions and algebra, spatial sense, geometry and measurement; and data analysis, statistics and probability.

□ 3142

SENIOR GRAD SKILLS

Semester/.5 credit *Grade 12*
Prerequisite: Students who did not pass the GRAD test in Grade 11
Level: General

This course is designed to address the content on the GRAD Mathematics test. Students will be automatically enrolled in this course if they have not passed the GRAD Mathematics test. The benchmarks for this test are within the following four strands: number sense, patterns, functions and algebra, spatial sense, geometry and measurement; and data analysis, statistics and probability.

□ 3259

ADVANCED PLACEMENT STATISTICS A

Semester/.5 credit *Grades 11-12*
Prerequisite: Algebra 2
Level: Advanced

This course is intended to provide students with a foundation in college-level statistics. The activities and investigation in this course are organized around the following major topics: introductory data exploration, random behavior, sampling distributions, estimation and bias, hypothesis testing, experimental design and modeling. Students who wish to take the AP Statistics test should take course 3269. Course 3259 will not prepare students for the AP Statistics test.

□ 3269

ADVANCED PLACEMENT STATISTICS AB

Full year / 1 credit *Grades 11-12*
Prerequisite: Algebra 2
Level: Advanced

This course follows an Advanced Placement syllabus in preparation for the AP Statistics test. The activities and investigation in this course are organized around the following major topics: introductory data exploration, random behavior, sampling distributions, estimation and bias, hypothesis testing, experimental design and modeling. Students will be expected to take the AP Statistics test in May.

□ 3119

ADVANCED PLACEMENT CALCULUS A

Semester/.5 credit *Grade 12*
Prerequisite: Pre-calculus and Trigonometry
Level: Advanced

Students will explore the concepts of calculus through the graphic, numeric and symbolic analysis of functions and relations. Students will learn differential calculus, the study of finding rates at which a variable quantity is changing, and integral calculus, the study of finding a function when its rate of change is known. Applications to curve sketching, related rates, maxima-minima theory, and areas between curves will be included. This course is intended to provide students with a beginning college calculus experience. The course will follow the AP Calculus syllabus but will not fully prepare students for the AP Calculus test.

□ 3129

ADVANCED PLACEMENT CALCULUS AB

Full year / 1 credit *Grades 11-12*
Prerequisite:
Pre-Calculus w/Trigonometry
Level: Advanced

Students will explore the concepts of calculus through the graphic, numeric and symbolic analysis of functions and relations. The student will learn differential calculus; the study of finding rates at which a variable quantity is changing, and integral calculus; the study of finding a function when its rate of change is known. Applications to curve sketching, related rates, maxima-minima theory, and areas between curves will be included. Students will also study topics aligned with 2nd semester college calculus. Students will be expected to take the AP Calculus AB test in May.

□ 3139

ADVANCED PLACEMENT CALCULUS BC

Full Year/1 credit *Grade 12*
Prerequisite: AP Calculus A and AP Calculus B
Level: Advanced

Students will explore the concepts of calculus through the graphic, numeric, and symbolic analysis of functions and relations. The student will review concepts of limits, continuity, derivatives and integrals. The student will learn advanced integration techniques, parametric and polar equations, sequences and series, and other topics from a college Calculus 2 course. Students are expected to register for the AP Calculus BC test in May.

□ 3149

ENTRY POINT COLLEGE IN THE SCHOOLS: MATHEMATICAL MODELING AND PREDICTIONS PSTL1006

Full Year/1 credit (WBLAHS)
3 semester credits (U of M) *Grade 11- 12*
Prerequisite: Teacher recommendation, completion of Algebra 2 with a grade of C- or better, academic middle (GPA between the 50th and 80th percentile), completed application.
Level: General

This course is a University of Minnesota course that meets a U of M liberal education requirement in Mathematical Thinking. The course introduces students to the art of mathematical prediction through algebraic modeling and elementary probability theory. The class covers techniques of representing the behavior of real-world data with algebraic equations, including linear, polynomial, exponential and logarithmic functions. Students also learn basic probability theory including counting methods and conditional probability. The class emphasizes the use of traditional algebraic methods and technologies such as graphing calculators and Excel spreadsheets to find equations that accurately represent the behavior of real-world data. Students are dually enrolled at the University of Minnesota and WBLAHS and semester grades for this course will be recorded at both institutions.



WBLAHS has a proud tradition of excellence in our music performing ensembles. We are pleased to offer the following courses to students wishing to continue their music studies. Placement in each of the performance groups is by audition.

Band and Choir students will have additional opportunities to participate in chamber ensembles and/or solo and ensemble contests. Band students are also required to play with the Pep Band for a limited number of performances each year.

NORTH CAMPUS ENSEMBLES

Band

North Winds
Varsity Band
Concert Band(s)

Additional curricular groups:
Jazz Ensembles

Choir

Varsity Choir
North Notes
Mixed Choir

Additional curricular groups:
Lakeaires
Skippers

SOUTH CAMPUS ENSEMBLES

Band

Symphonic Band
Wind Ensemble

Additional curricular groups:
Jazz Ensembles

Choir

Mariners
Cantorei
Choraliers

Additional curricular groups:
Windjammers

Non-Performance Courses

AP Music Theory
Intro to Music Theory

Participation in Band, Choir or AP Music Theory fulfills the Arts Requirement for graduation.

GENERAL DESCRIPTION FOR ALL NORTH CAMPUS CHOIRS:

Participants will develop a performing group in which they can take pride. The number and types of choirs will be determined by enrollment and ability levels. Placement in choirs will be determined through auditions. However, there are non-audition choirs available to students. Choir opportunities will include Men's Choir, Women's Choir, North Notes (auditioned women's choir) and Varsity Choir (auditioned mixed choir).

Students will further develop skills in vocal production, sight reading, music theory and basic piano. A portion of each class will be spent on sectionals or in music lab, using computer software and piano keyboards.

3300

CHOIR 9/10

Full Year/1 credit Grades 9-10

Prerequisite: Audition with teacher for the auditioned choirs.

Level: General

This class will be divided into choir rehearsal, sectionals, music lab.

Successful completion of this course satisfies the state requirement for the Arts.

GENERAL DESCRIPTION OF ALL NORTH CAMPUS BANDS:

Participation in high school band is fun, challenging and a very rewarding experience. The student will be expected to develop instrumental skills, styles and elements of group performance through band rehearsals, small group instruction and required home practice. Band members are expected to participate in Pep Band during the fall and winter quarters and attendance at performances is required. Performance of Class II and Class III High School contest literature is a goal. **Placement in all bands will be determined through the audition process.** Band opportunities include North Winds, Varsity Band and Concert Band(s).

Jazz Ensemble will be offered to students who are interested in studying this uniquely American art form. Note: Jazz Ensemble students are placed by audition.

3500

BAND 9/10

Full Year/1 credit Grades 9-10

Prerequisite: Audition.

Previous experience is necessary.

Level: General

Successful completion of this course satisfies the state requirement for the Arts.

3440

MARINERS (CONCERT CHOIR)

Full Year/1 credit Grades 11-12

Prerequisite: Audition

Level: Advanced

Students will develop vocal techniques, performance skills and musicianship to a level which will enable mastery of choral music at the most difficult high school level. This choir will perform all styles of music from traditional class I choral literature to music from the pop or vocal jazz idiom. **Successful completion of this course satisfies the state requirement for the Arts.**

3440

CANTOREI

Full Year/1 credit Grades 11-12

Prerequisite: Audition

Level: General

Students will develop skills in vocal production, sight reading, music theory and expressive singing. Students will learn songs with a variety of styles for performance. **Successful completion of this course satisfies the state requirement for the Arts.**

3440

CHORALIERS (TREBLE CHOIR)

Full Year/1 credit Grades 11-12

Prerequisite: Audition

Level: General

Students will develop skills in vocal production, sight reading, music theory, and expressive singing. Students will learn songs with a variety of styles for performance. **Successful completion of this course satisfies the state requirement for the Arts.**

WINDJAMMERS

A show/jazz choir of about 24 singers will be selected from Choraliers. Rehearsal times TBD.

□ 3530 SYMPHONIC BAND

Full Year/1 credit *Grades 11-12*
Prerequisite: Audition
Level: Advanced

Students will be expected to develop instrumental skills, styles and elements of group experience through band rehearsals, small group sectionals and required home practice. Band members are expected to participate in Pep Band during the fall and winter quarters and attendance at performances is required. Performance of Class I and Class II High School Contest Literature is a performance goal. Jazz Ensemble rehearsal times are TBD. Jazz Ensemble members will receive credit for independent study. Jazz Ensemble is available to students through an audition process. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 3530 WIND ENSEMBLE

Full Year/1 credit *Grades 11-12*
Prerequisite: Audition
Level: General

Wind Ensemble is the top level band at South Campus and will be placed according to ability and instrumentation needs by audition only. Auditions will take place in the Spring of each school year for Fall band placement. Students will be expected to develop instrumental skills, styles and elements of group experience through band rehearsals, small group sectionals and required home practice. Band members are expected to participate in Pep Band during the fall and winter quarters and attendance at performances is required. Performance of Class I and Class II High School Contest Literature is a performance goal. Jazz Ensemble rehearsal times are TBD. Jazz Ensemble members will receive credit for independent study. Jazz Ensemble is available to students through an audition process. **Successful completion of this course satisfies the state requirement for the Arts.**



□ 3563 INTRODUCTION TO MUSIC THEORY

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This class is appropriate for vocal and instrumental students who wish to improve their music reading proficiency and for students that do not read music but would like to learn. In this class, students will explore the elements of music: pitch, duration, dynamics and timbre. Students will learn how to read, write and aurally recognize common music symbols and terms as well as major and minor scales, basic chords and intervals. In addition, students will learn about the mathematics of music-rhythm. Upon successful completion of this class, students will be proficient music readers and will have the skills necessary for continued growth in vocal and instrumental music as well as AP Music Theory. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 3573 ADVANCED PLACEMENT MUSIC THEORY

Full Year/1 credit *Grades 11-12*
Prerequisite: Ability to read music.
Level: Advanced

The first semester of the course is appropriate for intermediate level choral, instrumental, keyboard, guitar and string players **who already read music.** Existing skills will be strengthened through the study of ear training, sight singing, music notation, scales, rhythms, melodies and chords. Upon completion of the first semester, students will have a strong foundation in the fundamentals of music theory, which will enhance their ability to perform, create and appreciate all styles of music. The second semester of the course is an advanced level music theory course that will follow the AP music theory curriculum. Students will refine their existing music skills through the advanced study of melody, harmony, rhythm, scales, chord progressions, ear training and sight singing. Theory knowledge will be used to arrange music for a variety of music ensembles and for beginning composition. Students may earn college credit by passing a qualifying examination. **Successful completion of this course satisfies the state requirement for the Arts.**

Health and Physical Education Requirement:

Class of 2013 and Beyond:

.25 credit in Health and .25 credit in PE in Grade 9

.5 credit in Health or PE elective sometime in Grade 10-12

.25 credit in Health and .25 credit in PE in Grade 11 or 12

□ 3904

PHYSICAL EDUCATION 9

Quarter/.25 credit Grade 9
Prerequisite: None
Level: General

This required course partners with Healthy Lifestyles. Students will increase their knowledge and create positive attitudes and behaviors relative to physical activities. The activity rich environment explores and expresses cultural awareness while incorporating fitness principles and nutritional concepts. This course meets every other day. Successful completion of this course is a requirement for graduation.

□ 3914

9TH GRADE ELECTIVE PE

Semester/.5 credit Grade 9
Prerequisite: None
Level: General

This class is a more in-depth physical education experience for ninth graders interested in fitness and fun. The course combines games such as team handball, football, broomball, basketball and soccer. The course also includes fitness, strength training and cardio gym games.

□ 3814

RENAISSANCE PERFORMANCE

Semester/.5 credit Grade 10-12
Prerequisite: None
Level: General

Renaissance Performance is a unique class geared toward students who desire individual lifetime fitness activities. The following units will be taught: fencing, tumbling, juggling, archery, martial arts and team building. In addition, a variety of fitness components will be addressed. students may also have the opportunity to participate in a field trip experience.

□ 3824

FITNESS TRENDS

Semester/.5 credit Grades 10-12
Prerequisite: None
Level: General

Experience a club workout during your school day. This course will incorporate the five components of fitness into your daily workout. This class will also offer a wide variety of group exercise experiences including cardio-kickboxing, yoga, aerobics, relaxation, core development and in-line skating. Students will learn the basic fundamentals of a group exercise class and learn to evaluate their own fitness and wellness program.

□ 3924

RACQUET SPORTS

Semester/.5 credit Grades 10-12
Prerequisite: Physical Education 9-10
Level: General

Students will take part in racquet and net games. Some of the units include: tennis, pickleball and badminton. In addition students will also take part in some of these recreational units: lacrosse, basketball and volleyball. Students will have the opportunity to expand their knowledge and skills, leadership abilities and sport competencies.

□ 3934

RECREATIONAL SPORTS

Semester/.5 credit Grades 10-12
Prerequisite: Physical Education 9-10
Level: General

Students will take part in these life sports activities: ultimate frisbee, frisbee golf, badminton, bocce ball and climbing wall. They may also take part in some of these team sports: softball, floor hockey and team handball. Students will have the opportunity to expand their knowledge and skills with an emphasis on the development and appreciation of life-long enjoyment.

□ 3874

WORLD OF DANCE

Semester/.5 credit Grades 10-12
Prerequisite: None
Level: General

Students explore many different cultures through the world of dance, learning some of the most unique and popular dances. Dances include line dancing, hip hop, salsa, reggae, two-step and traditional. Learn the steps and variations to your favorite dances. Come ready to have fun. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 3854

TOURNAMENT TEAM SPORTS

Semester/.5 credit Grades 10-12
Prerequisite: None
Level: General

This class offers team competition in traditional physical education and intramural games. This is a competitive elective class with tournament t-shirts for winners of tournament play. Be a champion in flag football, softball, team handball, floor hockey and other sports.

□ 3944

OUTDOOR EDUCATION & RECREATION

Semester/.5 credit Grades 10-12
Prerequisite: None
Level: General

Do you love the outdoors? If so this class is for you. Learn about unique and rewarding outdoor activities. Some of these activities include geo caching, camping, rock climbing and snow activities.

□ 3844

INDIVIDUALIZED WEIGHT TRAINING & CONDITIONING

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: General

This class offers individualized training programs developed for athletes to maintain conditioning during the season or to build athletic abilities in the off season. Take this class during your off season and lift during school instead of after school. All areas of fitness such as strength, agility, and flexibility are incorporated in training. Sports related rehabilitation from injury is also possible in class.

□ 3951 - Semester

□ 3952 - Full Year

BEARS 1 WEIGHT TRAINING

.5 or 1 credit Grades 10-12
Prerequisite: None
Level: General

Bears 1 Weight Training is a co-ed course offered daily to all students. This class is designed as a first-year course for those serious about improving performance. The goals of this class are to enhance the students' speed, quickness, flexibility, agility, explosive power and strength. Proper technique and safe weight room procedures will be stressed.

□ 3961 - Semester

□ 3962 - Full Year

BEARS 2 WEIGHT TRAINING

.5 or 1 credit Grades 11-12
Prerequisite: Bears 1
Weight Training
Level: General

Bears 2 Weight Training is a co-ed course for second year strength training students. Students will work together with the teacher to develop an individualized workout program. Bears 2 will be a continuation and progression of Bears 1 strength training.

□ 1943

HEALTH AND PHYSICAL EDUCATION FOR YOUR FUTURE

Semester/.25 credit Health Grades 11-12
& .25 credit Physical Education
Prerequisite: None
Level: General

Health and Physical Education for Your Future is a culminating health and physical education requirement designed to equip students to make positive health and wellness choices both now and in the future. The required physical education component of this course consists of best practice fitness and nutrition trends. Participants will identify and apply dietary practices and fitness principles to achieve and maintain a healthy body that reduces health risks associated with a sedentary lifestyle. Students will develop and implement fitness and wellness activities along with nutritional strategies that will impact their overall health. The required health component of this course provides students with current health information about addictions, reproductive health, and the American Red Cross first aid and cardiopulmonary resuscitation techniques for infants, children and adults. Students opting to pay a participant fee will be awarded a full American Red Cross certification status. This is a "hands-on" class with many opportunities to learn life saving skills.



Three credits in science are required to meet the Minnesota graduation requirements for high school students.

Graduating Classes 2013 and 2014:

WBLAHS requires a sequence of two required courses and one elective course for all students to ensure the Minnesota Academic Standards in science are met. Therefore, all students will take three courses in ninth through eleventh grade as follows: Physical Science in 9th grade, Biology in 10th grade, and a science elective in 11th grade. All additional science courses are electives.

Recommended sequences based on post-high school plans are as follows:

Two year, vocational, technical, community or non-college bound:

Grade 9 - Physical Science

Grade 10 - Biology

Grade 11 - Earth and Space Sciences or Chemistry or Physics

Grade 11-12 - Electives, if desired

Four year state schools:

Grade 9 - Physical Science

Grade 10 - Biology

Grade 11 - Chemistry or Physics or Earth and Space Science

Grade 11-12 - Electives, if desired

Four year "selective" college or university:

Grade 9 - Physical Science

Grade 10 - Biology

Grade 11 - Chemistry or Physics or Earth and Space Science

Grade 11-12 - One Honors Placement course (Biology, Chemistry, or Physics). Additional electives, if desired.

Graduating Classes 2015 and Beyond:

WBLAHS requires a sequence of three courses for all students to ensure the Minnesota Academic Standards in science are met. All students will take Physical Science in 9th grade, Biology in 10th grade, and either Chemistry or Physics in 11th grade or 12th grade. All additional science courses are electives.

Recommended sequences based on post-high school plans are as follows:

Two year, vocational, technical, community or non-college bound:

Grade 9 - Physical Science

Grade 10 - Biology

Grade 11-12 - Chemistry or Physics

Grade 11-12 - Electives, if desired

Four year state schools:

Grade 9 - Physical Science

Grade 10 - Biology

Grade 11 - Chemistry or Physics

Grade 11-12 - Electives, if desired

Four year "selective" college or university:

Grade 9 - Physical Science

Grade 10 - Biology

Grade 11 - Chemistry or Physics

Grade 11-12 - One Honors Placement course (Biology, Chemistry, or Physics). Additional electives, if desired.

□ 4053

INTRODUCTORY PHYSICAL SCIENCE

Full Year/1 credit Grade 9

Prerequisite: Students will be selected for this course based on their eighth grade teacher recommendation, reading test scores and math test scores.

Level: Introductory

In this course, students will form ideas about matter and energy through scientific experimentation. Students will use ideas to solve problems and ask further scientific questions. Students will work in the lab where skills are gained in handling equipment, making observations and understanding the scientific process.

□ 4013

PHYSICAL SCIENCE

Full Year/1 credit Grade 9

Prerequisite: None

Level: General

In this course, students will form ideas about matter and energy through scientific experimentation. Students will use ideas to solve problems and ask further scientific questions. Students will work in the lab where skills are gained in handling equipment, making observations and understanding the scientific process. Students learn how to descriptively and quantitatively analyze experiment results.

□ 4023

HONORS PHYSICAL SCIENCE

Full Year/1 credit Grade 9

Prerequisite: A score of at least 240 on the NWEA Mathematics MAP Test in eighth grade.

Level: Advanced

In this course, students will acquire a beginning knowledge of physics and chemistry. It will serve as a solid foundation for students who will take high school courses in physics and chemistry and, to a lesser extent, biology. This is a laboratory class, emphasizing skill development in the areas of using equipment, making observations and applying the scientific method.

4043 INTRODUCTORY BIOLOGY

Full Year/1 credit *Grade 10*
Prerequisite: Students will be selected for this course based on teacher recommendation and successful completion of Introductory Physical Science.
Level: Introductory

In this course, a student will learn the fundamental concepts of biology. The topics to be included are the scientific method, environmental studies, cell structure and function, genetics, animal diversity and human anatomy.

4033 BIOLOGY

Full Year/1 credit *Grade 10*
Prerequisite: Physical Science
Level: General

In this course, a student will learn fundamental biological concepts, which include the scientific method, environmental studies, cell structure and function, genetics, animal diversity and human anatomy.

4173 HONORS BIOLOGY

Full Year/1 credit *Grade 10*
Prerequisite: Honors Physical Science or Physical Science teacher recommendation
Level: Advanced

In this course, a student will learn fundamental biological concepts, which include the in-depth studies of scientific method, environmental studies, cell structure and function, genetics, animal diversity and human anatomy.

4049 ADVANCED PLACEMENT BIOLOGY

Full Year/1 credit *Grades 11-12*
Prerequisite: Honors Biology and Honors or AP Chemistry
Level: Advanced

This course is designed to extend concepts and skills acquired in regular Biology and Honors Biology in addition to a strong presentation of advanced topics. The course content, along with Biochemistry, will prepare students to take the Advanced Placement Biology exam as well as serve as a foundation for future study in biology.



4054 MINNESOTA WILDLIFE BIOLOGY

Semester/.5 credit *Grades 11-12*
Prerequisite: Biology
Level: General

In this course students will be looking at a variety of both game and non-game animals found throughout Minnesota. Students will be studying the physiological and ecological aspects of a wide variety of animals from amphibians to large predatory animals. Discussions and projects will explore the relationships between these animals, their environment and mankind's influence. How do current environmental issues and management techniques (hunting, conservation, etc.) affect their survival rates? Topics include amphibians and reptiles, fish, birds, small mammals, bear, deer, predatory cats and wolves.

4063 BASIC BIOLOGY/INTEGRATED SCIENCE TOPICS

Full Year/1 credit *Grades 11-12*
Prerequisite: None
Level: Introductory

In this course, students will learn basic biological concepts. Students will study different organisms at the cellular level and observe how they interact with each other in their environment. Topics included are cell structure and function, genetics, microbiology, human anatomy and physiology, ecology and plant systems and function.

4093 INTRODUCTION TO EARTH/SPACE SYSTEMS

Full Year/1 credit *Grades 11-12*
Prerequisite: None
Level: Introductory

This integrated course in the earth/space sciences is intended to familiarize students with the fundamental concepts of geology, meteorology and astronomy. Topics covered include formation and classification of minerals and rocks, geologic processes operating at the earth's surface and in its interior, atmospheric forces responsible for weather and climate, and a comprehensive investigation of our solar system, galaxy and universe. Emphasis is placed upon recent discoveries in the earth/space sciences and how these findings assist in our understanding of the world around us.

4061 PLANET EARTH

Semester/.5 credit *Grades 11-12*
Prerequisite: Geometry
Level: General

The earth's violent and catastrophic history provides the backdrop for our comprehensive examination of the physical processes that form and shape our planet. Students will gain a fundamental understanding of earth and the dynamic processes that create the geologic landscape we see today. Detailed studies include the formation and classification of Earth's rocks and minerals, geologic map and model interpretation, surface and internal processes, plate tectonics, volcanoes and earthquakes.

4062 WEATHER AND CLIMATE

Semester/.5 credit *Grades 11-12*
Prerequisite: Geometry
Level: General

Global climate change has become the defining environmental issue of our time. Why these dramatic changes are occurring and how these changes affect our weather has become the focus of scientific investigation and debate. This comprehensive course introduces students to the scientific principles of weather and climate. Topics studied include structure and composition of the atmosphere, heating and cooling of the earth's surface, motion and stability of the atmosphere, weather map analysis and forecasting, severe storms and climate change.

4064 ASTRONOMY

Semester/.5 credit *Grades 11-12*
Prerequisite: Geometry
Level: General

Designed to increase student awareness of the beauty, wonder and vastness of our universe, this course presents a compelling and meaningful package of information based upon the explorations and discoveries of ancient and modern astronomers. Topics in this descriptive course include observing the night sky, history of astronomy, telescopes, and investigations into the formation, evolution and nature of planets, moons, stars and galaxies. This course may require some viewing sessions after dark. It is hoped this course will precipitate a lifelong interest in astronomy and the space sciences.

4194 ADVANCED TOPICS IN ASTRONOMY: DISCOVERING THE UNIVERSE (Honors)

Semester/.5 credit *Grades 11-12*
Prerequisite: Algebra 2
(Astronomy strongly recommended)
Level: Advanced

Advanced Astronomy is intended to provide serious students a comprehensive survey of contemporary issues and research questions posed by today's astronomers. Discussions, readings and research-based inquiries will enhance the student's knowledge of selected themes including the origin and structure of the sun and solar system, stellar astronomy, spectroscopy and the formation and properties of galaxies. Using data collected from research-quality telescopes, including the National Optical Astronomy Observatory and the Spitzer Space Telescope, students will be encouraged to conduct their own authentic research projects, collect and present data and write scientific journal articles suitable for publication.



4044 ENVIRONMENTAL SCIENCE AND ECOLOGY

Semester/.5 credit *Grades 11-12*
Prerequisite: Biology
Level: General

This class is for students who are interested in pursuing a career in the outdoor sciences or wanting to know more about their environment around them and the various factors that control it. Topics covered include population ecology, forestry (history in MN to modern practices), freshwater biology (includes extensive study of local wetland) and energy resources. Learning experiences will include lectures, class work and various labs and projects, including participating in outdoor wetland surveys.

4164 HUMAN ANATOMY AND PHYSIOLOGY

Full Year/1 credit *Grades 11-12*
Prerequisite: Biology,
Chemistry or currently enrolled
in Chemistry
Level: General

This course is designed to broaden the background of the student interested in medical or paramedical careers such as nursing, medical technology, physical therapy and public health. The structure and function of the body will be studied in great detail. Lab work will deal with experiments which will familiarize students with lab techniques used in the study of human anatomy and physiology.

4143 INTRODUCTORY CHEMISTRY

Full Year/1 credit *Grades 11-12*
Prerequisite: Algebra 1
Level: Introductory

Introductory chemistry will explore the study of matter and the changes that matter undergoes. The topics covered will include scientific measurement, the structure of the atom, chemical compounds and reactions, calculations involving reactions and the behavior of gases. This course is designed to give students an understanding of basic scientific problem solving techniques. Since an understanding of math is essential to scientific problem solving, the pace and level of this course is intended to not only explore chemistry but to also reinforce an understanding of math as well.

4073 CHEMISTRY

Full Year/1 credit *Grades 11-12*
Prerequisite: Algebra 2,
or currently enrolled in
Algebra 2
Level: General

This course is designed to provide students with a fundamental understanding of chemistry. It is a lab oriented course that provides students the opportunity to explore an exciting range of chemical reactions.

4083 HONORS CHEMISTRY

Full Year/1 credit *Grades 11-12*
Prerequisite: Algebra 2,
currently enrolled in Algebra 3
or Pre-Calculus.
Level: Advanced

This course is designed to provide a sound background in chemistry for those students interested in scientific, medical or technical careers. Inquiry type labs and assignments challenge students to think independently and learn how to solve problems.



4089 ADVANCED PLACEMENT CHEMISTRY

Full Year/1 credit *Grades 11-12*
Prerequisite: Algebra 2 and
currently enrolled in Pre-Calculus
Level: Advanced

This first level course is designed to extend and accelerate the concepts and skills taught in Honors Chemistry so that a student can be prepared to take the AP exam. The course is designed to serve as a foundation for a major or minor in college level studies in the sciences, engineering, medicine and technologies.

4133 HONORS BIOCHEMISTRY

Full Year/1 credit *Grades 11-12*
Prerequisite: Biology, Honors
or AP Chemistry, Pre-Calculus, or
currently enrolled in Pre-Calculus
Level: Advanced

In this advanced course, students will be introduced to the fundamentals of biochemistry through a combined study of organic chemistry and human metabolic processes. To do this, laboratory experiments will be performed regularly using the methods learned in chemistry and biology laboratories with an emphasis on learning new techniques in preparation for college laboratories. Problem solving skills will be explored with computer technology use emphasized. This course is designed for students pursuing college major or career choices in biology, chemistry, biochemistry, bioengineering or medicine. This course is recommended for any student taking the AP Biology test or as an additional course to AP Chemistry.

4103

PHYSICS

Full Year/1 credit *Grades 11-12*
Prerequisite: Algebra 2
Level: General

Physics is a course that uses mathematics to solve equations but also concentrates on verbal and written descriptions of natural phenomenon. Topics include motion, forces, energy, heat, light, electricity and modern topics. Working in the lab, performing in physics “contests” and solving problems provides students with a rich and rewarding experience which will be a benefit in college.

4113

HONORS PHYSICS

Full Year/1 credit *Grades 11-12*
Prerequisite: Pre-Calculus
or currently enrolled in
Pre-Calculus
Level: Advanced

This course is designed for students who have a firm mathematical background and who will require some competence in physics for their future careers. It is a course which uses mathematics to derive and solve equations whenever appropriate. Inquiry type labs and assignments challenge students to think independently and to learn how to solve problems. Topics include optics and wave mechanics, relativity, motion, force, vectors, classical mechanics, thermodynamics, electricity, magnetism and modern topics.

4099

ADVANCED PLACEMENT PHYSICS

Full Year/1 credit *Grades 11-12*
Prerequisite: Pre-Calculus and
Trigonometry
Level: Advanced

This course will prepare students to take an AP exam in physics as well as serve as a foundation for future study in physics by concentrating on a strong presentation of advanced topics in physics.

4065

AVIATION AND AEROSPACE

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

Technological advances in air and space flight have made aviation a dynamic and rapidly growing industry. The tagline “Faster, Farther, Cheaper” has never been more appropriate. Aviation and space industries will need educated and skilled workers to not only replace those pilots, technicians, and engineers who will soon be retiring, but also to fill the newly created positions necessitated by invention. This rigorous course will provide the eager student with an introduction to the science of air and space flight and the career opportunities available following this course of study. **Learn to Fly.** Topics covered will include, among others, the history of aviation and space flight, the physics of flight, aviation meteorology, navigation and communications, aircraft systems, instruments and performance, FARs (Federal Aviation Regulations), the history and engineering successes of major NASA human spaceflight missions (including Mercury, Gemini, Apollo, Skylab, Apollo-Soyuz, Space Shuttle, Shuttle-Mir, and International Space Station), and an examination of future NASA missions, technical challenges, and timelines for human spaceflight programs.



Three and one half credits in social studies are required to meet the Minnesota graduation requirements for high school students. WBLAHS provides a sequence of required courses for all students to ensure the Minnesota Academic Standards in social studies are met. All additional social studies courses are electives. Most students should sign up for the general level classes or above.

Required Courses:
(choose one from each section)

Civics:

- Civics 9
- AP Macroeconomics (counts as .5 Civics and .5 Economics)

American Government:

- American Government
- AP United States Government & Politics

US History:

- Introduction to American History
- American History
- Honors American History: American Experiment

World History:

- Introduction to World History A & B
- World History A & B
- Honors World History A & B
- AP European History

Economics:

- Economics
- AP Macroeconomics (counts as .5 Civics and .5 Economics)

4224 CIVICS

Semester/.5 credit *Grade 9*
Prerequisite: None
Level: General

The purpose of this course is to equip students for the most important role in our democracy: citizen. A focus will be placed on the historical and philosophical roots of the American democracy with emphasis on the founding documents. Students will be introduced to the structure and functions of government while connecting it to current issues related to civic rights and responsibility.

4434

AMERICAN GOVERNMENT

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

In this course, students will learn about government, politics and public policy. With that foundation of knowledge, students should be able to make informed judgments about what government should and should not do and how to support the proper use of authority or combat the abuse of political power. Students will develop the skills and knowledge to become responsible citizens.

4539

ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS

Full Year/1 credit *Grades 11-12*
Prerequisite: None
Level: Advanced

This is a college level course on American Government. Students will study the American political system as it relates to political organizations, institutions of government, political policy and philosophy, and government at the Federal, State and local levels. Students who complete the course will have the opportunity to take the Advanced Placement exam for college credit.

4514

ECONOMICS

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course asks students to think critically about economic issues and problems related to individuals and society as a whole. Understanding how individuals, businesses and governments use scarce resources to satisfy unlimited wants and needs is the foundation of this course. Students will study the fundamental concepts of microeconomics and macroeconomics. One of the primary goals of this course is to explain to students the role that economics plays in improving the quality of their decision making.



4544

ADVANCED PLACEMENT MACROECONOMICS

Full Year *Grades 9-10*
.5 credit Economics,
.5 credit Civics
Prerequisite: None
Level: Advanced

This course is designed for college-bound students and will concentrate on the study of macroeconomics which deals with economic goals, national production and income, problems of unemployment and inflation, fiscal and monetary policy, international trade and global economic trends. Students may choose to take the Advanced Placement exam in the spring for college credit. AP Macroeconomics is a challenging course which is traditionally taught in 11th and 12th grade. Students choosing to take this class in 9th or 10th grade must be willing to put forth time and effort in order to be successful.

The civics content is embedded in the macroeconomics curriculum. Students will study civics through the perspective of an economist. 10th graders who have fulfilled the civics requirement will receive a .5 credit in economics and a .5 elective credit in social studies.

□ 4534

ADVANCED PLACEMENT MICROECONOMICS

Semester/.5 credit Grades 10-12
Prerequisite: None
Level: Advanced

This course is designed for the advanced economics student who desires college level lessons dealing with the theory and application of economic principles. Students who take this course will have the opportunity to take the Advanced Placement exam for college credit. AP Microeconomics is a challenging course that is traditionally taught in 11th and 12th grade. Students choosing to take this class in 10th grade must be willing to put forth time and effort in order to be successful.

□ 4313

INTRODUCTORY AMERICAN HISTORY

Full Year/1 credit Grade 10
Prerequisite: Recommendation of ninth grade language arts teacher
Level: Introductory

Introductory American History is designed to meet the needs of diverse and unique learners. It includes the same themes covered in American History 10, but the pace, curriculum and activities are tailored to help students of all levels understand and learn about our American history.

□ 4323

AMERICAN HISTORY

Full Year/1 credit Grades 10-12
Prerequisite: None
Level: General

This course presents an in-depth study of the history of the United States from the development of modern America (1865-1920) to the present. In addition, there will be a condensed review of the years up to and including the Civil War. Students will also examine current state, national and world issues and explore their significance.

□ 4333

HONORS AMERICAN HISTORY: AMERICAN EXPERIMENT

Full Year/1 credit Grade 10
(Student must also enroll in Honors Language Arts 10)

Prerequisite: Recommendation of ninth grade language arts and social studies teachers. Completion of summer reading component.
Level: Advanced

This is an interdisciplinary course designed to develop higher levels of thinking and requires intensive reading and writing. The history component will provide an in-depth study of post Civil War American History. Students will earn one credit in Language Arts 10 and one credit in American History by taking this two period block course. This course emphasizes writing, reading, dramatization, speaking, listening, research and linguistics. Students are expected to read and comprehend at an above-average level and be able to write logical, cohesive compositions. Students must be responsible and possess the self-initiative and discipline to do extensive reading, long-range assignments and in-depth research. This course is also listed in the Language Arts Section.

Special attention will be given to preparation for the MCA Reading Test.

□ 4404

INTRODUCTION TO WORLD HISTORY A

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: Introductory

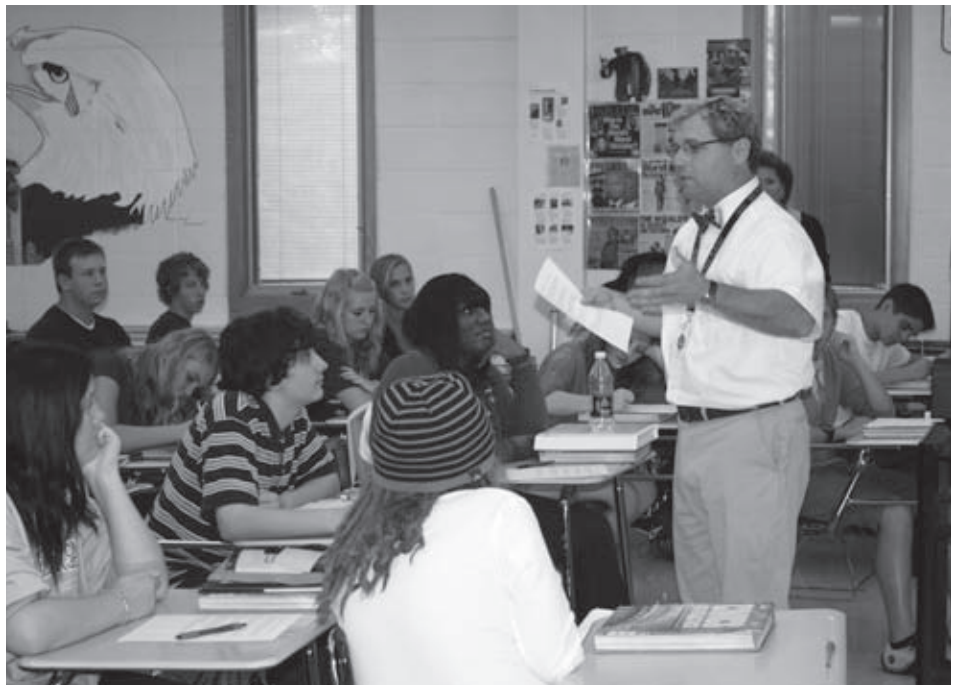
This introductory course is designed to examine world history that includes the same themes covered in World History A and B but the pace, curriculum and activities are tailored to help students at all levels. If you register for Introduction to World History A, you must also register for Introduction to World History B.

□ 4444

INTRODUCTION TO WORLD HISTORY B

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: Introductory

This introductory course is designed to examine world history that includes the same themes covered in World History A and B but the pace, curriculum and activities are tailored to help students at all levels. If you register for Introduction to World History B, you must also register for Introduction to World History A.



4414
WORLD HISTORY A

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: General

In this course, students will survey world history from its beginning to the Age of Exploration. Students will study the beginning of civilization, early empires and the origins of world religions. This class requires independent work by students in and out of the classroom. The reading materials are at grade level or above. If you register for World History A, you must also register for World History B.

4454
WORLD HISTORY B

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: General

In this course, students will survey world history from the Age of Exploration through the modern era with an emphasis on global topics. This class requires independent work by students in and out of the classroom. The reading materials are at grade level or above. If you register for World History B, you must also register for World History A.

4424
HONORS WORLD HISTORY A (EARLY CIVILIZATION)

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: Advanced

Honors World History surveys European, African, Middle Eastern and Asian history from prehistory to 1500. Students will practice writing, reading, thinking and test preparation skills needed to succeed in college. Early Civilization covers prehistoric times up to the Enlightenment. Social, economic, intellectual, political and military history are included throughout this course. If you register for Honors World History A (Early Civilization) you must also register for Honors World History B (Modern Civilization).

4474
HONORS WORLD HISTORY B (MODERN CIVILIZATION)

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: Advanced

Honors World History surveys European, African, Middle Eastern and Asian history from 1500 to present. Students will practice writing, reading, thinking and test preparation skills needed to succeed in college. Modern Civilization covers the Enlightenment and continues to the present. Social, economic, political and military history are included throughout this course. If you register for Honors World History B (Modern Civilization), you must also register for Honors World History A (Early Civilization).

4469
ADVANCED PLACEMENT EUROPEAN HISTORY

Full Year/1 credit Grades 11-12
Prerequisite: None
Level: Advanced

Advanced Placement European History is an intensive, year-long college level course for high school students. It surveys European political, social, economic and cultural history from the high middle ages to the present. Students will do extensive note taking, essay writing, college level reading and analysis of primary documents and other source materials. Students who complete this course will have the opportunity to take the Advanced Placement exam for college credit.

4214
CRIMINOLOGY

Semester/.5 credit Grades 9-10
Prerequisite: None
Level: General

This course will include practical understanding of law and the legal system that will be of use in everyday life. Goals included in the course will be the fundamental understanding of our constitution, promotion of awareness of current issues and examining values such as justice and tolerance and improving problem-solving skills. This course counts toward an elective credit for graduation.

4234
PSYCHOLOGY 1

Semester/.5 credit Grades 9-10
Prerequisite: None
Level: General

This course begins the study of human behavior. Students will focus on human development, the brain and survey the major theories and approaches to psychology.

4524
PSYCHOLOGY 2

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: General

In this course, students will study human behavior and mental processes. Students will examine a range of topics including sleep and dreams, levels of consciousness, learning theory, memory, personality theory and abnormal psychology, including treatments and therapies.

4284
THE UNITED STATES: A NATION OF DIVERSITY

Semester/.5 credit Grades 9-10
Prerequisite: None
Level: General

This course will celebrate the cultural diversity of the world with an emphasis on the roles played considering current events and global issues while developing tolerance and mutual respect of others. This course counts toward an elective credit for graduation.

4844
DEBATE 1

Semester/.5 credit Grades 9-10
Prerequisite: None
Level: General

Debate is an elective course designed to develop skills in critical thinking, organization, research, argumentation, public speaking and thinking under pressure. Students will learn both policy and Lincoln-Douglas debate styles. Students will be encouraged to compete in debate tournaments during the debate season. This course counts toward an elective credit for graduation.

□ 4854 DEBATE 2

Semester/.5 credit *Grades 9-10*
Prerequisite: Debate 1
Level: General

This advanced course takes students beyond the basics of debate. Research strategies, extended briefs, counter-plans, and cross-examination strategies will be a focus in this class. Teamwork will be stressed and participation on the junior varsity and varsity debate teams will be encouraged, although not required. Identifying key issues, interpreting data and summarizing research findings are applicable to all students, whether in tournament competition or not. This course counts toward an elective credit for graduation.

□ 4340 COLLEGE IN THE SCHOOLS: AUTHORITY AND REBELLION: AMERICAN HISTORY TO 1865

Semester *Grades 11-12*
.5 credit (WBLAHS)
3 credits (U of M)
Prerequisite: Teacher recommendation
OR 3.36 GPA or higher
Level: Advanced

This college course will provide an overview of American History from colonial times through the Civil War. This is the first course in the quarter course sequence in American History. Students enrolled in this “College in the Schools” course who successfully complete the requirements will earn high school credit and three semester credits from the University of Minnesota. Course 4350 not required for enrollment.

□ 4350 COLLEGE IN THE SCHOOLS: GLOBAL AMERICA: U.S. HISTORY SINCE 1865

Semester *Grades 11-12*
.5 credit (WBLAHS)
3 credits (U of M)
Prerequisite: Teacher recommendation
OR 3.36 GPA or higher
Level: Advanced

This college course will provide an overview of American History emphasizing the emergence of modern America. Students enrolled in this “College in the Schools” course who successfully complete the requirements earn high school credit and three semester credits from the University of Minnesota. Course 4340 not required for enrollment.

□ 4384 PHILOSOPHY

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course will provide students with a reasoned approach for directing their thinking and behavior in a world which is both complicated and confusing. It will enhance critical thinking skills and sharpen students’ ability to think and write clearly and precisely. The course will emphasize the study of the history and methodology of philosophy. A major focus of this course will be student-teacher and student-student interaction. Students will be required to read both primary and secondary sources.

□ 4563 GEOGRAPHY

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course will focus on a handful of case studies at different scales: the local area, the State of Minnesota, the Upper Midwest, the United States, at least one developed region such as northern Europe or Japan, and one or more specific areas in Latin American, Africa or Asia. Upon completion, students should be able to demonstrate competency in the following six broad competencies: determining location, mapping, understanding places, evaluating human environmental interactions, explaining spatial interactions and applying geographic principles. This course will also feature a brief introduction to GIS (Geographic Information Systems). Most of these will be addressed in each topic so that the principles of geographic analysis can be addressed in a variety of settings and at different scales.

□ 4574 SOCIOLOGY

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course is meant for students who want to learn about the unique insight sociology provides for the understanding of society. This course challenges students to reflect on events that happen in their daily experiences and their connection with the world at large. Topics include the social construction of identity, cliques and teams, social deviance, social control, social class, the family, and institutions.

□ 4864 SERVICE CORPS

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

A service learning opportunity is provided where students are placed within the community for most of the course. Students will analyze and discuss the cause and effect of the environment in which they interact. There will be class service projects.

□ 1734 INTERCULTURAL STUDIES

Semester/.5 credit *Grades 11-12*
Prerequisite: None
Level: General

This course provides a comprehensive and invaluable view into ethnic diversity. Media literacy via film analysis will be a significant part of the course. Social dynamics and its effect on history will be the focal point.



Dear Parents/Guardians/Students:

The following courses have been designed to meet the needs of students who require specialized instruction as determined by an Individual Education Plan (IEP) team. Please work closely with your case manager to select specific courses.

CONTACT INFORMATION

For information regarding registration, please contact your student's case manager. If you do not have that information or telephone number, or if you have questions, please contact:

Kathleen Daniels
Director of Special Services
407-7553

Tony Mayer
Secondary Special Education
Supervisor
407-7622

CENTRAL MIDDLE SCHOOL
Kim Lacasse
407-7664

SUNRISE MIDDLE SCHOOL
Diane Vasicek
653-2700, ext. 1504

NORTH CAMPUS
Sue Wurl
407-7500, ext. 1116

SOUTH CAMPUS
Mary Fox
773-6279



COMMUNICATION/ LANGUAGE ARTS/READING

□ 1725

BASIC COMMUNICATIONS

Full Year/1 credit Grades 9-10
Campus: North
Prerequisite: IEP/Case Mngr. Approval

This course is for special education students for whom mainstream curriculum in Language Arts would not address current levels of performance, goals and objectives. The modified curriculum addresses near grade level reading and writing skills with adjustments to the pace of instruction.

□ 1524

□ 1525

READ 180

Full Year/2 credits Grades 9-12
Campus: North/South
Prerequisite: IEP/Case Mngr. Approval

READ 180 is a comprehensive reading intervention program proven to meet the needs of struggling readers. The program directly addresses individual needs through differentiated instruction, adaptive and instructional software, high-interest literature and non-fiction, and direct instruction in reading, writing and vocabulary skills.

□ 1723

READING FOR LIFE

Full Year/1 credit Grades 9-12
Campus: North/South
Prerequisite: IEP/Case Mngr. Approval

This course offers students instruction for goals related to basic/functional skill development based on their IEP. This course is offered as pass/no pass.

MATHEMATICS

□ 3044

BASIC MATH 1

Full Year/1 credit Grades 9-12
Campus: North/South
Prerequisite: IEP/Case Mngr. Approval

This course is for special education students for whom mainstream curriculum in Math would not address current levels of performance, goals and objectives. The modified curriculum addresses individual mathematic/computation and skills with adjustments to the pace of instruction.

□ 3047

TRANSMATH

Full Year/1 credit Grades 9-10
Campus: North
Prerequisite: IEP/Case Mngr. Approval

This course offers students who have math goals on their IEP the opportunity to complete the required Mathematics credit through modified curriculum at their ability level. Students will work on improving their understanding of math concepts, problem-solving and computational skills. Begun in middle school, this class will continue to provide math skill development across sequenced levels from one year to the next.

□ 3048

MATH FOR LIFE

Full Year/1 credit Grades 9-12
Campus: North/South
Prerequisite: IEP/Case Mngr. Approval

This course focuses on functional life skills related to math. Course content may include basic operations, counting, telling time, rounding, measurement, and using money. During the course of the year, students are able to take the skills they have learned and incorporate them into real life situations in the community. This course is offered as pass/no pass.

MATHEMATICS

□ 3049

MATH 11 OVERVIEW

Full Year/1 credit Grade 11

Campus: South

Prerequisite: IEP/Case Mngr. Approval

Math 11 is a combination of Algebra and Geometry math skills that are designed to prepare students for the Minnesota Comprehensive Assessment. Students will use their 11th grade MAP Scores (RIT) to practice online at their own individual level. Material taught in this class is at an introductory level. Topics covered include: Solving Equations, Inequalities, MCA Practice Testing, Pythagorean Theorem, Simple and Compound Interest, Graphing, Geometry, Complementary and Supplementary Angles, Perimeter, Area and Volume, Circumference, Statistics, Slope, Distance and Midpoint Formula. These skills will be applied through group work, projects, independent assignments, trial and error, problem solving and experiment. Students will have a chance to participate in many hands on activities throughout the year-long course.

□ 3050

MATH 12 OVERVIEW

Full Year/1 credit Grade 12

Campus: South

Prerequisite: IEP/Case Mngr. Approval

Math 12 is a combination of functional math skills, pre-algebra skills and algebra skills. This class is an extension of the math class taken in 11th grade. Topics covered include: Traveling, Budgeting, Home Improvements, Managing a Household, Bank Accounts, Data & Statistics and Probability, Solving Equations, Quadratic Equation, Simultaneous Equations, Problem Solving and Mathematical Modeling. These skills will be applied through group work, projects, independent assignments, trial and error, problem solving and experiment. Students will have a chance to participate in many hands on activities through out the year long course. Students will not only learn new skills, but will be able to apply them to their independent living skills.

SOCIAL STUDIES

□ 4411

BASIC SOCIAL STUDIES

Full Year/1 credit Grades 11-12

Campus: South

Prerequisite: IEP/Case Mngr. Approval

This social studies class is a functional skills class that looks into the areas of current events, daily geography, map skills, voting, election process, global warming, continents, natural disasters, habitats, and topics in everyday life. Students will have a chance to participate in many hands-on activities throughout the year-long course and apply new skills in independent living situations.

ELECTIVE COURSES

□ 1122

INDIVIDUAL STUDY SKILLS

Semester/.5 credit Grades 9-12

Campus: North/South

Prerequisite: IEP/Case Mngr. Approval

In this elective course, students will work toward meeting individual IEP goals and objectives with direct instruction. Development in specific areas of academics, organization, study skills, social skills, and behavior will be addressed based on individual student needs.

□ 6009

SOCIAL SKILLS

Semester/.5 credit Grades 9-10

Campus: North

Prerequisite: IEP/Case Mngr. Approval

This social language class teaches social skills found in everyday life. This class will help teens respond to and interact with people in a socially appropriate manner. Role playing and open discussions provide students with opportunities to learn more about self-advocacy, anxiety, peer relationships, perspective taking, self-esteem, manners and social rules.

ELECTIVE COURSES

□ 2017

TRANSITION LIFE SKILLS

Semester/.5 credit Grades 9-12

Campus: North/South

Prerequisite: IEP/Case Mngr. Approval

This course will introduce or build upon prior student knowledge in the areas of transition. This course closely examines transition areas and teaches more basic concepts as they relate to home, school, and the community. Skill development in personal and community safety, shopping, menu planning, cooking, self-care, and self-advocacy are the focus.

□ 3916

DEVELOPMENTAL/ADAPTED PHYSICAL EDUCATION (D/APE)

Semester/.5 credit Grades 9-12

Campus: North/South

Prerequisite: IEP/Case Mngr. Approval

Developmental Adapted Physical Education (D/APE) is offered to 9th–12th grade students with disabilities who are unable to participate in a regular physical education program. Through D/APE, students will seek to improve their overall levels of fitness and wellness by participating in a regular fitness program in which they learn how to operate and use a wide range of strength and cardiovascular equipment. Students participate in individual and group activities that promote an active participation lifestyle. Instruction also focuses on the social components associated with the various D/APE activities.



ELECTIVE COURSES

□ 2015

DAILY LIVING SKILLS

Full Year/1 credit Grades 11-12
Campus: South
Prerequisite: IEP/Case Mngr. Approval

This course focuses on social skill instruction, self-advocacy, home and daily living skills, in addition to community participation. Topics that are addressed throughout this course include: money math, meal planning and preparation, nutrition, household maintenance, self-care, community service, application of consumer and social skills in the community, personal safety, interpersonal relationships, and computer skills.

□ 1118

HANDS ON TASKS

Semester/.5 credit Grades 11-12
Campus: South
Prerequisite: IEP/Case Mngr. Approval

This course focuses on fine and gross motor activities. Assistive technology is used to activate switches for music, the SMARTboard and other engaging activities. Following sequential routines and individual living skills are focused upon in this class.

□ 6154

WORK BASED LEARNING IN THE COMMUNITY

Semester/.5 credit Grades 9-12
Campus: North/South
Prerequisite: IEP/Case Mngr. Approval

This course incorporates academics, social, and behavioral aspects of competitive employment. The course covers topics related to work goals, values and attitudes, career and job exploration, personal strengths and weaknesses related to employment, work behavior and expectations, social cognition skills in the work environment, job seeking skills, job application, job interviewing skills, and job retention. An eclectic use of many different curriculum tools, books, and videos are used to facilitate student learning. Students will also have the opportunity to work at an employment site, based on their interests and needs as determined by their IEP goals and objectives, to gain job experience. A job coach and transportation are provided. This is an unpaid experience for the students.

□ 6156

WORK BASED LEARNING IN THE SCHOOLS

Semester/.5 credit Grades 9-12
Campus: North/South
Prerequisite: IEP/Case Mngr. Approval

This course incorporates academics, social, and behavioral aspects of competitive employment. The course covers topics related to work goals, values and attitudes, career and job exploration, personal strengths and weaknesses related to employment, work behavior and expectations, social cognition skills in the work environment, job seeking skills, job application, job interviewing skills, and job retention. An eclectic use of many different curriculum tools, books, and videos are used to facilitate student learning. This course will also provide a non-paid work experience in the school to promote the development of work-related skills such as on-task behavior, following directions, and independence. Students are provided with a variety of job tasks within a class period. Tasks may include paper shredding, assembling simple projects, mail delivery, custodial tasks, cleaning, work sample kits, assisting in the cafeteria, and other simple jobs throughout the building.

□ 1712

EMPLOYMENT INTERNSHIP

Full Year/1 credit Grades 11-12
Campus: South
Prerequisite: IEP/Case Mngr. Approval

Students will apply to and are hired by a business or agency within the community. Students work at this employment site to learn work-related skills while in a school-supported job experience. Students generally work for one or two block periods during the school day, and are paid by the employer. Students are expected to meet all job requirements as agreed to by the student, school district and the business or agency.

□ 1715

TECHNICAL TRAINING 1

Full Year/1 credit Grades 11-12
Campus: South
Prerequisite: IEP/Case Mngr. Approval

This course offers students a chance to gain an introductory understanding of a variety of hands-on career options. Examples are: woodworking, welding, auto technology, working with metals, and a variety of others. Students will be exposed to many different hands-on and social experiences that will help to prepare them for post-secondary life.

□ 1716

TECHNICAL TRAINING 2

Full Year/1 credit Grades 11-12
Campus: South
Prerequisite: IEP/Case Mngr. Approval

This course offers students a chance to gain an introductory understanding of a variety of hands-on career options with a focus on introductory woodworking. Students will be exposed to many different hands-on and social experiences that will help to prepare them for post-secondary life.



Please visit
www.isd624.org
 for more information.

Students interested in exploring technology-based careers or more in-depth, hands-on knowledge of engineering can follow the suggested sequence in the Career and Technical Education clusters listed below:

Woodworking, Cabinetmaking, Construction

Wood Technology 1
Wood Technology 2
Wood Technology 3
Cabinetmaking and Woodworking 1
Cabinetmaking and Woodworking 2
Cabinetmaking and Woodworking 3

Transportation, Automotive or Motor Sports (motorcycles, snowmobiles)

Power and Energy
Small Engines
Automotive Technology 1
Automotive Technology 2
Car Care
Motor Sports Technology

Engineering, Computer-Assisted Product Design and Drawing

Introduction to Engineering Design
Principles of Engineering
Digital Electronics
Civil Engineering & Architecture

Engineering, Technical Design and Building Design

Introduction to Engineering Design
Principles of Engineering
Digital Electronics
Civil Engineering & Architecture
Architectural Design 1

Visual Communications and Artistic Presentations

Digital Photography
Graphic Arts 1
Graphic Arts 2
Advanced Graphic Arts

□ 2163

WOOD TECHNOLOGY 1

Semester/.5 credit Grades 9-10
Prerequisite: None
Level: General

This course is designed to teach students basic woodworking practices. Areas related to these practices include safety, proper hand tool and machine use, measuring, joinery, project design and finishing. Students will build three required projects that they will take home upon completion. Lab fee \$40. Options are available to offset the lab fee.

□ 2173

WOOD TECHNOLOGY 2

Semester/.5 credit Grade 10
Prerequisite: Wood Technology 1 with a grade of C+ or better, or recommendation of teacher.
Level: General

This course is designed to teach students more advanced applications used in the woodworking industry. Safety, machine use and maintenance, project design, plan of procedures and woodworking techniques will be studied. Students will build two required projects of increased size and difficulty. Their projects will be taken home upon completion. Lab fee \$40. Options are available to offset the lab fee.

□ 2174

WOOD TECHNOLOGY 3

Semester/.5 credit Grade 10
Prerequisite: Wood Technology 1 & 2 with a grade of C+ or better, or recommendation of teacher.
Level: General

This course is designed to introduce students to higher level techniques and applications used in the furniture making industry. More sophisticated joinery will be emphasized. Safety, machine use/maintenance, design and procedures will be studied. Students will build one required project of advanced techniques. Their projects will be taken home upon completion. Lab fee \$40. Options are available to offset the lab fee.

□ 2183

WOODWORKING & CABINETMAKING 1

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: General

Start your woodworking experience at South Campus with this course. The course is designed for any student no matter what the experience level. Using a project based learning environment, students will learn safe operation of woodworking power tools along with procedures on machine set-ups. This course will establish a great foundation that will allow you to work on larger projects in Woodworking and Cabinetmaking 2 and 3. The laboratory fee will cover the cost of required assignments. Depending on ability and progress, a student may have the opportunity to choose from an elective assignment. The elective assignment would have an additional cost for material. Lab fee \$35.

□ 2193

WOODWORKING & CABINETMAKING 2

Semester/.5 credit Grades 11-12
Prerequisite: Wood Tech 1 or 2 or Woodworking & Cabinetmaking 1
Level: General

Successfully completing Woodworking and Cabinetmaking 1 provides a student with the opportunity to work on larger, more independent projects. This is a great opportunity for students who would like to challenge themselves with more or larger woodworking or cabinetmaking projects. Students who register for the class should have some project ideas in mind before the first day of class. There will be some instruction time spent on developing project ideas, but to maximize classroom time students should come to class prepared with their ideas. Lab fee \$35. Independent project size and kind of material will determine additional costs in the course.

□ 2283

WOODWORKING & CABINETMAKING 3

Semester/.5 credit Grades 11-12
Prerequisite: Woodworking & Cabinetmaking 2
Level: General

Still want additional time to develop your skills after successfully completing Woodworking and Cabinetmaking 2? This is an opportunity for you. Same format as Woodworking and Cabinet-making 2, but with some greater expectations on skill development. Build something that has the quality to become a family heirloom or create something that can be entered in the Minnesota State Fair for a craftsmanship award. Lab fee \$35. Independent project size and kind of material will determine additional costs in the course.

□ 2221

POWER, ENERGY AND TRANSPORTATION TECHNOLOGY

Semester/.5 credit Grades 9-10
Prerequisite: None
Level: General

This course is designed to help students understand various energy sources and how they are used to produce power. Areas of study will include: combustion engines, reaction engines, aviation and natural power sources. Each student will be furnished with laboratory experiences that will develop their interests and abilities in technology. They will become acquainted with career opportunities in the energy and transportation industries. Upon completion of this course, students will be able to identify energy sources. This course is highly recommended for students entering engineering, designing and auto technology. Lab fee is approximately \$20.

□ 2222

SMALL ENGINES

Semester/.5 credit Grades 9-10
Prerequisite: None
Level: General

In this course students will learn about the internal combustion engine. Focus will be on the components and operation concepts of the 2 and 4 cycle engine. Laboratory activities will provide students with a hands-on learning experience that will involve disassembling, assembling, and trouble shooting gasoline engines. This is a great learning experience for students who would like to increase their knowledge base on engine driven projects such as motorcycles, 4-wheelers and automobiles.

□ 2273

AUTOMOTIVE TECHNOLOGY 1

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: General

If you enjoy working on your own repairs and maintenance this class is for you. Automotive technology gives students the chance to learn and apply maintenance and repairs to the many major systems of the automobile. Students will perform activities in the auto shop on lab stations, shop cars and their own vehicles if available. Scanning tools will be used in class to help diagnose computer or sensor problems with the automobile. After being in this class you may find that you want to explore the automotive industry further. Occupational opportunities and education after high school will also be addressed. Lab activities may consist of: cooling system, tire balance and mounting, brake repair, lubrication and oil change, electrical system trouble shooting, exhaust system repair, auto body repair.

□ 2274

AUTOMOTIVE TECHNOLOGY 2

Semester/.5 credit Grades 11-12
Prerequisite: Automotive Technology 1
Level: General

A continuation of Automotive Technology 1, Auto Technology 2 dives deeper into automotive maintenance and repair. Along with touching on everyday car troubles, this class will teach students to understand serious problems and allow them to recognize how to fix them. Students will receive hands-on experience in the lab area with school vehicles or with their own. After having the experience of Automotive Technology 1, students will have the opportunity to learn many new complex techniques such as turning rotors and brake drums, studying different engine configurations and experimenting with fuel efficiency. Being able to have these skills is very important, especially in today's society where running and upkeep of a car gets more and more expensive. Electric scanning tools will also be used to help diagnose problems with the automobile. Not only will this class give the student a great experience, it will also ready them for the future by maintaining their vehicle for a lifetime or helping to prepare them for a career in the auto industry.

□ 2284

CAR CARE

Semester/.5 credit Grades 11-12
Prerequisite: None
Level: General

With the high cost of owning and operating an automobile it is important for students to learn the basics of maintaining their vehicles. This course is designed to help students who are soon to be drivers or beginning drivers understand the automobile. Students will perform preventative maintenance procedures on shop cars, lab stations and also on their own vehicles if they have access to one. They will learn to make wise consumer choices and gain knowledge of the day-to-day issues that go along with having a driver's license or owning a car.

□ 2343

MOTOR SPORTS TECHNOLOGY

Full Year/1 credit Grades 11-12
Prerequisite: None
Level: General

The growing interest in ATVs, motorcycles and snowmobiles has created an increasing need to maintain and care for these vehicles. In the past almost every vehicle owner was his/her own mechanic. Today, the vast majority of owners have their vehicle serviced by technicians. In this course students will learn about styles and designs of ATVs, motorcycles and snowmobiles, along with service and replacement process for defective parts. The engine interior components of these vehicles will be covered in-depth as well as specific components to each individual machine. Students will always be busy, whether it is doing lab activities or working on school machines or their own. Ninety percent of the days will be spent in the lab working with machines. A few of the topics that will be covered include: two and four stroke engine, engine configurations, fuel systems, electrical systems, cooling systems, lubrication, exhaust systems, suspension, tires, tracks and wheels, and brakes.



□ 2293 ARCHITECTURAL DESIGN 1

Semester/.5 credit Grades 9-10
Prerequisite: None
Level: General

This course is an introduction to architectural/civil design. Course content will focus mainly on residential design but making connections to commercial architectural design requirements. Students will be working with computer aided design software to develop concepts and present design solutions for class assignments. Using real time modeling software, students will develop an increased visual perception and understanding of designs through 2-D and 3-D formats. Student portfolios will be used to present and evaluate course work. Lab fee \$15.

□ 2301 DIGITAL PHOTOGRAPHY

Semester/.5 credit Grades 9-12
Prerequisite: None
Level: General

Students will learn the techniques associated with digital photography and digital imaging. Combining traditional photography techniques with the ability to correct or enhance photographs is a challenging, entertaining and fun learning environment. Students will work with digital cameras and digital image generation programs such as Adobe Photoshop and InDesign. Students will present their work as individual prints, photo calendar or other class assigned projects. Students do not need to own a digital camera but it is beneficial if they have access to one they can use for out of class photography assignments (7 mega- pixels). There are some cameras that can be checked out to help complete class assignments. This course is articulated with Century College. Students may earn three college credits at Century College in VCT 1018 Digital Imaging with successful completion of course work (grades 11 and 12 only). Lab fee \$20. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 2302 GRAPHIC ARTS 1

Semester/.5 credit Grades 9-12
Prerequisite: None
Level: General

These two popular and traditional subjects in the graphic arts industry are combined into one class. Learn photography and its techniques by using black and white film. Taking your own photographs and processing your own film and photographs is a technical and rewarding process. Combine that with screen printing where you can wear what you make. Create a t-shirt design using a one- or two-color screen process that will leave you dressed to impress. Lab fee \$25. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 2303 GRAPHIC ARTS 2

Semester/.5 credit Grades 9-12
Prerequisite: Graphic Arts 1
Level: General

This course is an introduction to visual communications technology. Students will combine photography with screen and offset printing while learning about typography and product layout. Using digital cameras and digital image generation software, students will produce advertisements, packaging, a magazine cover and other print products. Screen printing will focus on one- and two-color process printing. This course is a great start for students who are looking for a career in commercial art, graphic arts or graphic design. Lab fee \$25. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 2313 ADVANCED GRAPHIC ARTS

Semester/.5 credit Grades 11-12
Prerequisite: Graphic Arts 2
Level: Advanced

Continue your study and expand your skills beyond Graphic Arts 1 and prepare yourself for your career and training in visual communication. A more in-depth study of content from Graphic Arts 1 but with the addition of video production and other digital/electronic forms of visual communication. Students will also work on advanced screen print (3- and 4-color process) and other print and non-print media with emphasis on layout and design. Take advantage of an advanced level course that will allow students to develop a portfolio of their work for college admission or career placement. Lab fee \$25. **Successful completion of this course satisfies the state requirement for the Arts.**

PROJECT LEAD THE WAY (PLTW) Pre-Engineering

The PLTW program offers a sequence of courses, when combined with high level math and science skill acquisition, introduces students to the scope, rigor, and discipline of engineering technology prior to entering college. The sequence and comprehensive curriculum will allow students to explore their interest in engineering as a career.

□ 2264 INTRODUCTION TO ENGINEERING DESIGN (PLTW)

Full Year/1 credit Grades 9-12
Prerequisite: None
Level: General

Introduction to Engineering is an introductory course which develops student problem solving skills with emphasis placed on the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by the use of Inventor software. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated using a design system. This course is being articulated with Century College. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits. **Successful completion of this course satisfies the state requirement for the Arts.**



□ 2265 PRINCIPLES OF ENGINEERING (PLTW)

Full year/1 credit Grades 10-12
Prerequisite: Students
have completed Introduction
to Engineering Design and
successfully completed Algebra 1.
Level: Advanced

This course will help students understand the field of engineering/engineering technology and covers various technology systems and manufacturing processes. Using activities, projects and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change. Principles of Engineering's key concepts are communication, design process, statics, material testing and kinematics. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits.

□ 2266 BIOTECHNICAL ENGINEERING (PLTW)

Full Year/1 credit Grades 10-12
Prerequisite: None
Level: Advanced

The major focus of this course is to expose students to the diverse fields of biotechnology including biomedical engineering, molecular genetics, bioprocess engineering, and agricultural and environmental engineering. Lessons engage students in engineering design problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, biomedical devices, forensics and bioethics. Students, usually 11th and 12th grade level, apply biological and engineering concepts to design materials and processes that directly measure, repair, improve and extend living systems. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits.

□ 2267 DIGITAL ELECTRONICS (PLTW)

Full year/1 credit Grades 11-12
Prerequisite: Successfully
completed Algebra 1.
Level: Advanced

Digital Electronics is a course of study in applied digital logic that encompasses the design and application of electronic circuits and devices found in video games, watches, calculators, digital cameras, and thousands of other devices. Instruction includes the application of engineering and scientific principles as well as the use of Boolean algebra to solve design problems. Using computer software that reflects current industry standards, activities should provide opportunities for students to design, construct, test, and analyze simple and complex digital circuitry. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits.

□ 2268 CIVIL ENGINEERING AND ARCHITECTURE (PLTW)

Full Year/1 credit Grades 11-12
Prerequisite: None
Level: Advanced

The major focus of the Civil Engineering and Architecture (CEA) course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of this property. The course provides freedom to the teacher and students to develop the property as a simulation or to students to model the real-world experiences that civil engineers and architects experience when developing property.

The CEA course is intended to serve as a specialization course within the Project Lead the Way sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of both fields. Students will work in team, exploring hands-on projects and activities to learn the characteristics of civil engineering and architecture. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits.

The World Language Department offers a sequence of courses in American Sign Language (ASL), French, German, Spanish, and new to 2012/13, Mandarin Chinese. These courses will help students develop and practice the skills needed to speak, understand, read, and write in another language. The completion of these courses will enhance students' chances of fulfilling college language requirements and provide a solid basis for advanced language study.

<i>If you took:</i>	<i>You can take:</i>
French Beginning & Intermediate (6th–8th grade)	French 1
French Advanced (6th–8th grade)	French 2
French 1 (HS)	French 2
French 2	French 3
French 3	French 4 CIS 1003* (FY) CIS 1003/1004* (FY)
CIS 1003	CIS1004*

<i>If you took:</i>	<i>You can take:</i>
German Beginning & Intermediate (6th–8th grade)	German 1
German Advanced (6th–8th grade)	German 2
German 1 (HS)	German 2
German 2	German 3
German 3	German 4 CIS 1003/1004* (FY)
German 4	CIS 1003/1004* (FY)

<i>If you took:</i>	<i>You can take:</i>
Spanish Beginning & Intermediate (6th–8th grade)	Spanish 1
Spanish Advanced (6th–8th grade)	Spanish 2
Spanish 1 (HS)	Spanish 2
Spanish 2	Spanish 3
Spanish 3	Spanish 4 CIS 1003* (FY) CIS 1003/1004* (FY)
Spanish 4	CIS 1003/1004* (FY)
CIS 1003	CIS 1004* (FY)

<i>If you took:</i>	<i>You can take:</i>
ASL 1	ASL 2
ASL 2	ASL 3

* = Based on teacher recommendation
(FY) = Full Year

□ 5203

CHINESE 1

Full Year/1 credit *Grades 9-12*
Prerequisite: None
Level: General

This course is for students with limited or no experience in Mandarin Chinese. Students will begin to understand and speak Chinese, as well as read and write in the language. Students will also become acquainted with the Chinese culture.

□ 5213

CHINESE 2

Full Year/1 credit *Grades 9-12*
Prerequisite: Chinese 1
Level: General

*course to be designed and implemented for 2013-2014

□ 5247

COLLEGE IN THE SCHOOLS: MODERN CHINESE 1001

Full Year/1 credit *Grades 11-12*
Prerequisite: Chinese 2 and teacher recommendation
Level: Advanced

*to be implemented in 2014-2015 pending approval by the U of M.

□ 5003

FRENCH 1

Full Year/1 credit *Grades 9-12*
Prerequisite: None
Level: General

This course is for students with limited or no experience in French. Students will begin to understand and speak French, as well as read and write in the language. Students will also become acquainted with the cultures of French-speaking countries.

□ 5013

FRENCH 2

Full Year/1 credit *Grades 9-12*
Prerequisite: French 1 high school course, successful completion of Advanced French at middle school, or teacher recommendation.
Level: General

Students will progress in their fluency of speaking and understanding French through the addition of new vocabulary, structures and practice, and they will gain new insights into French culture.

□ 5023

FRENCH 3

Full Year/1 credit *Grades 10-12*
Prerequisite: French 2
Level: General

Students will improve their skills in speaking, understanding, reading and writing French. Students will broaden their cultural awareness of the French-speaking world.

□ 5033

FRENCH 4

Full Year/1 credit *Grades 11-12*
Prerequisite: French 3 or teacher recommendation
Level: Advanced

Students will develop greater skill in expressing and understanding oral and written French-speaking cultures. French 4 is the appropriate choice for students who want a more comprehensive foundation before taking CIS 1003, or for students who cannot meet the rigorous demands of CIS 1003, yet want to continue the advanced study of French.

□ 5047

COLLEGE IN THE SCHOOLS: FRENCH 1003

Full Year/1 credit *Grades 11-12*
Prerequisite: French 3 or teacher recommendation
Level: Advanced

Students who qualify for this course will have the opportunity to earn 5 semester credits through the University of Minnesota. Content will include the culture of France, culture of Francophone countries, grammar study and extensive proficiency-based activities. This includes writing in French and discussion of French literature. CIS 1003 is designed for students who would like to enroll in CIS French and would benefit from the additional time afforded by a year-long course. Due to the rigor of this course, the University of Minnesota recommends that the student have at least a 3.3 GPA.



5048
**COLLEGE IN THE SCHOOLS:
 FRENCH 1003/1004**

Full Year/1 credit *Grades 11-12*
Prerequisite: French 3 and teacher recommendation
Level: Advanced

Students who qualify for this course will have the opportunity to earn 10 semester credits through the University of Minnesota. CIS 1003-1004 is for highly motivated students who enjoy a fast-paced course of study. Content will include culture of France, culture of Francophone countries, grammar study and extensive proficiency-based activities. This includes writing in French and discussions of French literature. Due to the rigor of the course, the University of Minnesota recommends that students have at least a 3.3 GPA.

5053
GERMAN 1

Full Year/1 credit *Grades 9-12*
Prerequisite: None
Level: General

This course is for students with limited or no experience in German. Students will begin to understand and speak German as well as read and write in the language. Students will also become acquainted with the cultures of German-speaking countries.

5063
GERMAN 2

Full Year/1 credit *Grades 9-12*
Prerequisite: German 1 high school course, successful completion of Advanced German at middle school, or teacher recommendation
Level: General

Students will progress in their fluency in speaking and understanding German through the addition of new vocabulary, structures and practice, and they will gain new insights into German culture.

5073
GERMAN 3

Full Year/1 credit *Grades 10-12*
Prerequisite: German 2
Level: General

Students will improve their skills in speaking, understanding, reading and writing German. Students will broaden their cultural awareness of the German-speaking world.

5083
GERMAN 4

Full Year/1 credit *Grades 11-12*
Prerequisite: German 3 or teacher recommendation.
Level: Advanced

Students will develop greater skill in expressing and understanding oral and written German. German 4 is the appropriate choice for students who want a more comprehensive foundation before taking CIS 1003, or for students who cannot meet the rigorous demands of CIS 1003 yet want to continue the advanced study of German.

5097
**COLLEGE IN THE SCHOOLS:
 GERMAN 1003/1004**

Full Year/1 credit *Grades 11-12*
Prerequisite: German 3 or teacher recommendation.
Level: Advanced

Students who qualify for this course will have the opportunity to earn 10 semester credits through the University of Minnesota. CIS 1003-1004 is for highly motivated students who enjoy a fast-paced course of study. Content will include German culture, grammar study and extensive proficiency-based activities. This includes writing in German and discussions of German literature. Due to the rigor of the course, the University of Minnesota recommends that students have at least a 3.3 GPA.

5103
SPANISH 1

Full Year/1 credit *Grades 9-12*
Prerequisite: None
Level: General

This course is for students with limited or no experience in Spanish. Students will begin to understand and speak Spanish as well as read and write in the language. Students will also become acquainted with the cultures of Spanish-speaking countries.

5113
SPANISH 2

Full Year/1 credit *Grades 9-12*
Prerequisite: Spanish 1 high school course, successful completion of Advanced Spanish at middle school, or teacher recommendation
Level: General

Students will progress in their fluency in speaking and understanding Spanish through the addition of new vocabulary, structures and practice, and will gain new insights into Spanish culture.



□ 5123

SPANISH 3

Full Year/1 credit Grades 10-12

Prerequisite: Spanish 2

Level: General

Students will improve their skills in speaking, understanding, reading and writing Spanish. Students will broaden their cultural awareness of the Spanish-speaking world.

□ 5133

SPANISH 4

Full Year/1 credit Grades 11-12

Prerequisite: Spanish 3 or teacher recommendation.

Level: Advanced

Students will develop greater skill in expressing and understanding oral and written Spanish. Spanish 4 is the appropriate choice for students who want a more comprehensive foundation before taking CIS 1003, or for students who cannot meet the rigorous demands of CIS 1003 yet want to continue the advanced study of Spanish.

□ 5147

COLLEGE IN THE SCHOOLS: SPANISH 1003

Full Year/1 credit Grades 11-12

Prerequisite: Spanish 3 or teacher recommendation and GPA 3.3.

Level: Advanced

Students who qualify for this course will have the opportunity to earn 5 semester credits through the University of Minnesota. Content will include culture of Spanish speaking countries, grammar study and extensive proficiency-based activities. This includes writing in Spanish and discussions of Spanish literature. CIS 1003 is designed for students who would like to enroll in CIS Spanish and would benefit from the additional time afforded by a year-long course. Due to the rigor of the course, the University of Minnesota recommends that students have at least a 3.3 GPA.

□ 5149

COLLEGE IN THE SCHOOLS: SPANISH 1003/1004

Full Year/1 credit Grades 11-12

Prerequisite: Spanish 3 or teacher recommendation and GPA 3.3

Level: Advanced

Students who qualify for this course will have the opportunity to earn 10 semester credits through the University of Minnesota. CIS 1003-1004 is for highly motivated students who enjoy a fast-paced course of study. Content will include culture of Spanish speaking countries, grammar study and extensive proficiency-based activities. This includes writing in Spanish and discussions of Spanish literature. Due to the rigor of the course, the University of Minnesota recommends that students have at least a 3.3 GPA.

□ 5173

AMERICAN SIGN LANGUAGE 1

Full Year/1 credit Grades 9-12

Prerequisite: None

Level: General

This course is for students with limited or no experience in ASL. Students will begin to understand and sign ASL. Students will become acquainted with the American Deaf culture.

□ 5183

AMERICAN SIGN LANGUAGE 2

Full Year/1 credit Grades 10-12

Prerequisite: ASL 1

Level: General

Students will progress in their fluency of signing and understanding ASL through addition of new vocabulary, structures and practice, and they will gain new insights into international Deaf culture.



□ 5193

AMERICAN SIGN LANGUAGE 3

Full Year/1 credit Grades 11-12

Prerequisite: ASL 2

Level: General

This course will increase the depth of the language studies by continuing to facilitate fluency in ASL by mastering the more difficult grammatical features including, but not limited to, classifiers, spatial agreement, and non-manual signals. The students will be expected to be able to carry on longer discourse/narratives with various real-world scenarios. Students will broaden their cultural awareness of Deaf culture and literature.



NORTHEAST METRO 916 CAREER AND TECHNICAL CENTER

Who May Enroll:

Enrollment is open to seniors in all courses and to juniors in some. Students must meet the prerequisite(s) as determined in the course offerings. Current skills and vocational objective will be the important factor in selecting the component courses the students will take. Students will be certified for the skills demonstrated and will proceed at individual learning rates.

Registration Procedures:

Complete a Northeast Metro 916 Career and Technical Center (CTC) application form, which are available from a counselor. After receiving a parental signature, return the form to the counselor. Students should examine course selections carefully. Once a student is enrolled in CTC, there are very limited options for schedule changes.

Credits:

Most of the programs are two hours in length and will carry two elective credits towards graduation.

Further Education:

Admission into the post-high school program for students who have participated in the high school program is provided on a preferential basis. Students will be allowed to continue in the same program within six months after completion of their high school program provided an application to continue in the program is made prior to October 15 of the current school year.

Transportation:

Bus transportation will be arranged to and from CTC free of charge. Students are required to use the bus transportation provided by the District.

Attendance:

Students must attend CTC each school day unless a pre-excuse is obtained or because of illness. Poor attendance may cause the student to be dropped from the CTC program.

Accepted for Enrollment:

Students who are currently enrolled in a CTC program must re-enroll if they wish to continue in the program. Due to a demand greater than the number of slots available, the following priority system will be used in accepting students for high demand programs:

1. Students who have been previously enrolled in the same course.
2. Seniors will be selected before juniors.

Register after February 1:

Students will be accepted on a space available basis as determined by CTC.

Course Options:

Agriculture, Food, & Natural Resources

- Animal Science
- Food Service

Arts, Communications & Information Systems

- Design and Interactive Media
- Computer Hardware/Software & Game Design

Engineering, Manufacturing & Technology

- Maintenance and Environmental Services
- Construction Occupations
- Auto Dismantling
- Automotive Technology
(Prerequisite: Automotive Technology at South Campus)
- Diesel Trucks and Engine Technology

Health Science Technology

- Dental Occupations*
- Emergency Medical Technician*
- Medical Careers*
(Prerequisite: Medical Career Exploration at South Campus)

Human Services

- Education and Human Services Careers
- Cosmetology I
- Cosmetology II
- Law Enforcement/Criminal Justice

*indicates a year-long course

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SCHOOL SONG

White Bear High School, fight onto fame.

White Bear is our glorious name.

We'll always win and we'll always fight,

Cheer Orange, Black and White!

Rah! Rah! Rah!

Mighty Bears, we'll fight to the end.

Always we'll be true

So, fight, Bears, let's fight on forever!

On to victory!

V - I - C - T - O - R - Y

Victory, Victory for White Bear High!