



WHITE BEAR LAKE AREA SCHOOLS



2019-20
REGISTRATION
GUIDE
GRADES 9 THROUGH 12





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 ensure your high school experience opens many doors for your future.

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.
- ◇ Ensure 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,

Dr. Alison Gillespie, Principal,
White Bear Lake Area High School - North Campus

Don Bosch, Principal,
White Bear Lake Area High School - South Campus

DIRECTORY

SCHOOL BOARD

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Jessica Ellison
Ellen Fahey

Donald Mullin
Margaret Newmaster
Scott Wilson

DISTRICT ADMINISTRATION

Dr. Wayne Kazmierczak – 407-7563
Superintendent of Schools

Sara Paul – 407-7567
Assistant Superintendent for Teaching and Learning

Tim Wald– 407-7516
Assistant Superintendent for Finance and Operations

Lisa Ouren – 407-7552
Director of Student Support Services

Mark Garrison – 407-7612
Director of Technology and Innovation

Matt Mons – 407-7550
Director of Human Resources

Marisa Vette – 407-7695
Director of Communications and Community Relations

Tim Maurer – 407-7509
Director of Community Services and Recreation

NORTH CAMPUS

5045 Division Avenue, White Bear Lake, MN 55110

Dr. Alison Gillespie, Principal – 653-2914
Angela Nelson, Associate Principal – 653-2917
Dion Harriman, Associate Principal – 653-2966

SOUTH CAMPUS

3551 McKnight Road, White Bear Lake, MN 55110

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Carrie Barth, Associate Principal – 773-6201
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ACTIVITIES

Brian Peloquin, Activities Director – 773-6208

COUNSELING

CLASS OF 2020 – 773-6222

Gregory Burke (Students A–Le) gregory.burke@isd624.org
Jennifer Johnson (Students Li–Z) jennifer.johnson@isd624.org

CLASS OF 2021 – 773-6222

Lisa Horowicki (Students A–La) lisa.horowicki@isd624.org
Rochelle Vavricka (Students Le–Z) rochelle.vavricka@isd624.org

CLASS OF 2022 – 653-2912

Julienne Kirschling (Students A–Le) julienne.kirschling@isd624.org
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CLASS OF 2023 – 653-2912

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COLLEGE & CAREER CENTER - SOUTH CAMPUS

Jenny Moore, Career Pathways Coordinator – 773-6213
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*The White Bear Lake Area School District
builds quality lives and strong communities
through compassion, integrity, respect,
responsibility and service.*

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Translations:

Para Espanol por favor llame al 651-407-7625
Xav tau ntawv Hmoob lm rau 651-407-7623



PARENT INFORMATION NIGHTS

Class of 2023
January 9, 7 p.m.
North Campus Theater

Class of 2022
January 9, 6 p.m.
North Campus Theater

Class of 2021
January 10, 7 p.m.
South Campus Theater

Class of 2020
January 10, 6 p.m.
South Campus Theater

REGISTRATION

Students register for courses in January. Students are encouraged 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 graduation requirements rests with the student.** Students who have questions about course selection should ask staff members to assist them.

COUNSELOR PRESENTATIONS

CLASS OF 2023

Counselors for the class of 2023 will provide registration seminars at Sunrise Park and Central Middle Schools in January with current eighth grade students. The purpose of these seminars is to familiarize students with course choices and placement options. Students will be given a course registration guide and a planning worksheet identifying courses, options, and sequencing to assist families with the online registration process.

CLASS OF 2020 THROUGH 2022

Registration seminars will occur during the school day in the month of January for the current ninth through eleventh graders to prepare them for registering for the following year. The purpose of these seminars will be to familiarize students with course selection, placement options, post-secondary preparation courses, and the online registration process. Students will receive a course registration guide and a planning worksheet identifying courses, options and sequencing.

ONLINE REGISTRATION

Students and parents will be able to make course requests online.

All online course requests must be completed by February 1.

REGISTRATION PROCEDURES

- ⇒ Access the District's website: <http://www.isd624.org>
- ⇒ Go to the Quick Links tab
- ⇒ Select "Family Access"
- ⇒ Enter Student or Family Access Login and Password

Look under "Course Selection for 2019-20" in the Message Center for step-by-step directions on how to request courses.

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 any course cancellations. 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 six 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.

ALTERNATE COURSE CHOICES

Every attempt will be made to schedule students into their first choices; however, not everyone will receive the classes they choose. Students must choose three alternate classes to be used in the event a scheduling conflict occurs that cannot be resolved or if classes are full or not offered.

ADDITIONAL CREDIT OPTIONS

In eleventh and twelfth grade, WBLAHS students may earn up to one additional credit outside the school day or school year by taking either Health and Physical Education For Your Future, College Writing, American Government, or Economics. See Appendix A for options.

MINNESOTA STATE TESTING REQUIREMENTS

All high school students will take the Minnesota Comprehensive Assessments (MCA) state tests in accordance with federal and state legislative requirements. The reading test will first be administered in tenth grade, and math in eleventh grade. Juniors will take a college entrance exam (ACT, Accuplacer or ASVAB) during their junior year.

SCHEDULE CHANGES

Classes are formed, schedules created, and staff hired and assigned on the basis of student registration. Once this process is completed, schedule changes are discouraged, and in many cases, not possible. Changes can only be honored if it is educationally best for the student and there is room in the desired course. Examples of "acceptable" schedule changes include:

- Inappropriate course placement.
- Course prerequisites have not been met.
- Course has been taken and cannot be repeated for credit.
- Special circumstances as determined by an administrator.

Students whose request falls within these guidelines have the first week of the semester to request a schedule change.

Please be aware that changing your schedule may have an unwanted impact on your transcript. If a course is dropped by the end of the first week of the semester, it is dropped with no record. Courses dropped the second week are dropped with a "W" (withdrawn will not reduce the GPA). In most cases, if a course is dropped after the second week of that course, an "NC" (No Credit) will be recorded on the transcript. Students who drop year-long courses at the semester will have an "NC" on their transcripts for the second semester, which will reduce the GPA.

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 ensure 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 High School (CitHS), College in the Schools (CIS), and Project Lead the Way (PLTW) courses 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 all letter grades in AP, CIS, CitHS 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 = 1.25
F = 0.0	F = 0.0

STUDENT RECOGNITION

Honoring students for their individual and collective achievements is a strong White Bear tradition. Students may earn a wide range of recognitions, including Academic Letters, Department Awards, Honor Rolls, National Honor Society, Perfect Attendance, President's Award, Principal's Award, Student of the Month, and Success Cards. Student achievement is recognized at Breakfast of Champions ceremonies throughout the year and at Awards Night in May.

REQUIREMENTS TO PARTICIPATE IN THE GRADUATION CEREMONY

Any senior who has not fully met the graduation requirements by the end of the regular school year will not be eligible to participate in graduation exercises. Students who are short credits at the end of grades nine, ten, and eleven are expected to make up the deficiency in summer school the year following the failed course.

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. Summer School typically runs the month of June.



GRADUATION REQUIREMENTS

CONTENT AREA	REQUIRED CREDITS
Language Arts	4
Math	3
Science	3
Social Studies	3.5
Physical Education	.5*
Health	.5*
Wellness/Arts Elective (Elective Health, PE, or the Arts)	.5
Arts	.5
Electives	6.5
TOTAL	22

* Grade 9: .25 Health/.25 PE (#1954/3904)

* Grade 11: .25 Health/.25 PE (#1943)

LANGUAGE ARTS (4 credits)

The skills taught in our Language Arts curriculum prepare students to be successful, accurate, and independent in their proficiency of the core components of communication: writing, reading, and literature. The state of Minnesota requires four credits for high school graduation.

- 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)

Mathematics provides skills and knowledge for solving problems across a wide range of everyday, technical, and scientific situations. Learning mathematics develops the ability to visualize, describe, and analyze problems. Mathematics is applied in a variety of technical and scientific disciplines to identify assumptions, develop arguments, and provide justification for conclusions. The State of Minnesota requires high school students to take a minimum of three credits of mathematics, covering content standards in at least Algebra, Geometry, and Algebra 2.

- 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 ninth grade, mathematics electives should be taken to fulfill the three-credit requirement.



SOCIAL STUDIES (3.5 credits)

Social Studies education helps students understand the world in which they live, their place in history, their role as a citizen, and economic concepts. A fundamental understanding of the concept knowledge found in the social sciences is critical to the preservation of democratic ideals. This understanding will be achieved in White Bear Lake Area Schools by offering a comprehensive social studies curriculum. The State of Minnesota requires 3.5 credits in Social Studies encompassing Geography, American History, World History, American Government, and Economics.

- .5 credit in Geography
- 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

SCIENCE (3 credits)

Scientific literacy enables people to use scientific principles and processes to understand their environment, make personal decisions and participate in discussions of scientific issues that affect society. The State of Minnesota requires students to take at least three credits of science, which must include one year in Physical Science, Biology and Chemistry or Physics.

- 1.0 credit in Physical Science in ninth grade
- 1.0 credit in Biology in tenth grade
- 1.0 credit in Chemistry or Physics in eleventh or twelfth grade

HEALTH & PHYSICAL EDUCATION (1 credit)

The opportunity for exercise provided in physical education positively impacts students' physical, psychological, and academic well-being. In the area of health education, students benefit from research-based messages to help them build knowledge, skills, and positive attitudes about health. The State of Minnesota requires schools to teach Health Education standards and to offer Physical Education programming.

Grade 9: .25 Health/.25 PE (#1954/3904)

Grade 11: .25 Health/.25 PE (#1943)

GRADUATION REQUIREMENTS

ARTS (.5 credit)

Experiences in the arts offer students the opportunity to explore the arts directly as creators/performers and as critical, informed observers. Experiences in the arts help students imagine a new and improved world, rather than accepting the world as it is. Students must earn at least .5 credit in the arts (see list of courses meeting the arts requirement on this page).

WELLNESS/ARTS ELECTIVE (.5 credit in Physical Education, Health, or the Arts)

The pressures of our modern world require students to have balance in mind and body to thrive as teens and adults. The .5 wellness credit requirement allows students the choice to pursue wellness in the areas of fitness, health, or the arts. In addition to the required .5 credit in each area, students must select an additional .5 credit elective course in Physical Education, Health, or the Arts. See Senior Waiver Option on page 59.

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

- Drawing & Painting 1
- Drawing & Painting 2
- Sculpture 1
- Sculpture 2
- Media Arts and Design
- Movie Production
- Introduction to Professional Photography
- 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

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
- Introduction to Engineering Design (PLTW)

ACADEMIC OPTIONS

White Bear Lake Area High School is proud to offer opportunities for students to participate in college-level coursework in Advanced Placement (AP), College in the Schools (CIS), College in the High School (CitHS), and Project Lead the Way (PLTW). Students who take college-level courses benefit from the rigorous coursework and generally score 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 2017-18 school year, 61% of juniors and seniors enrolled in at least one college-level course. The total value of credits earned by WBLAHS students in College in the Schools (CIS and CitHS), Advanced Placement (AP), Project Lead the Way (PLTW) and Post-Secondary Enrollment Options (PSEO) courses was at least \$2.69 million at University of Minnesota tuition rates.

ADVANCED PLACEMENT (AP)

The College Board'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 coursework 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:

ART

AP Art History
AP Studio Art

ENGINEERING

AP Computer Science Principles

LANGUAGE ARTS

AP English Language & Composition
AP English Literature & Composition

MATHEMATICS

AP Calculus AB
AP Calculus BC
AP Computer Science Principles
AP Statistics

MUSIC

AP Music Theory

SCIENCE

AP Biology
AP Chemistry with Biochemistry
AP Environmental Sciences
AP Physics

SOCIAL STUDIES

AP European History
AP Human Geography
AP Macroeconomics
AP Microeconomics
AP Psychology
AP United States History
AP World History

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

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 may obtain three credits from participating colleges and universities. Many colleges and universities in Minnesota and nation-wide accept the credits. Students who successfully complete a PLTW course and take the PLTW exam may receive additional weighting in GPA calculating. PLTW courses offered at WBLAHS:

*Introduction to Engineering Design

**Principles of Engineering

**Digital Electronics

**Civil Engineering and Architecture

* Articulated with Century College

** Accepted at the University of Minnesota or may meet individual college criteria for credit

CONCURRENT ENROLLMENT COLLEGE CREDIT OPTIONS

Concurrent enrollment courses provide actual college credit for courses taught at WBLAHS. Students can stay on our high school campus and get first-hand experience with a faster pace of study and increased academic rigor, supporting a smoother transition from high school to college. These courses receive additional weighting in GPA calculations. Each course has specific criteria for admission and interested students should confer with a counselor to determine eligibility.

Students earn college credit on a college transcript, transferable to most colleges and universities. High school students are held to the same academic standards as students on a university campus.

Teachers are selected, trained, and supported by college faculty. Concurrent enrollment courses offered at WBLAHS:

ART

CitHS: Introduction to Professional Photography VCT 1071

ENGINEERING & INFORMATION TECHNOLOGY

CitHS: IT Explorations ITT 1000

CitHS: Programming Fundamentals CSCI 1081

FAMILY AND CONSUMER SCIENCES

CIS: Exploring the Teaching Profession I CI 3901

CIS: Exploring the Teaching Profession II CI 3902

HEALTH

CitHS: Introduction to Healthcare Careers HSCI 1000

CitHS: Certified Nursing Assistant HSCI 1001

LANGUAGE ARTS

CitHS: Critical Reading and Thinking RDNG 1000

CIS: Introduction to Literature 1001

eCIS: Writing Studio 1201

CIS: Writing Studio 1301

MATH

CIS: Basic and Applied Statistics ESPY 3264

eCIS: College Algebra through Modeling PSTL 1006

SOCIAL STUDIES

CIS: American Democracy in a Changing World POL 1001

CIS: Authority & Rebellion: American History to 1865 HIST 1307

CIS: Global America: US History Since 1865 HIST 1308

WORLD LANGUAGES

CIS: Advanced Sign Language 207

CIS: Advanced Sign Language 208

CIS: Modern Chinese 1011

CIS: Modern Chinese 1012

CIS: French 1003

CIS: French 1004

CIS: German 1003

CIS: German 1004

CIS: Spanish 1003

CIS: Spanish 1004

UNDER CONSIDERATION FOR CONCURRENT ENROLLMENT

TECHNOLOGY:

Woodworking & Introduction to the Construction Industry

Introduction to Construction Blueprint Reading, Carpentry & Hand Tools

WORLD LANGUAGES:

Orientation to Interpreting

White Bear Lake Area High School Career Pathways

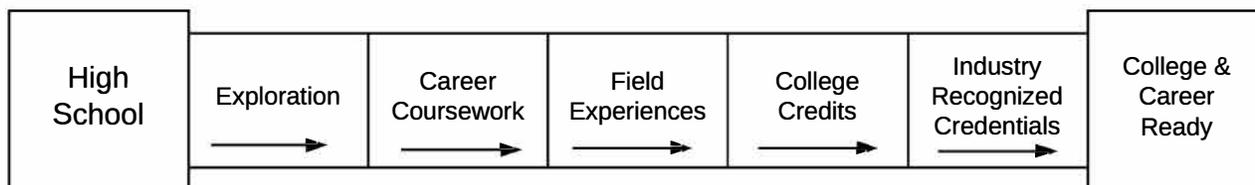
Accelerating the path to college and careers

Career Pathways Program at White Bear Lake Area High School

White Bear Lake Area High School students enrolled in Career Pathways courses learn industry-specific skills and, in some courses, may earn free college credit and industry-recognized credentials. Students are involved in engaging, hands-on classroom and field experiences, such as internships, connecting with local industry professionals, touring local businesses, and other experiential learning opportunities. Graduates of Career Pathways develop essential skills and experience needed to either enter the workforce directly with a high-paying career or further their education at a two-year or four-year post-secondary institution.

Why?

Career Pathways expose students to college and in-demand careers that equip them to make informed decisions about their future. Career Pathways help lay the foundation for students to excel in life beyond graduation, whether through a continued education in college or a meaningful career.



Manufacturing	Construction
<p>Pathway Classes</p> <ul style="list-style-type: none"> • Manufacturing & Applied Engineering I (Grades 9-12) • Manufacturing & Applied Engineering II (Grades 9-12) * • Precision Machining I (Grades 11-12) • Precision Machining II (Grades 11-12) * <p>PLTW Classes</p> <ul style="list-style-type: none"> • Introduction to Engineering Design (Grades 9-12) * • Digital Electronics (Grades 9-12) * • Civil Engineering & Architecture (Grades 9-12) * • Principles of Engineering (Grades 10-12) * <p>Additional Recommended Classes</p> <ul style="list-style-type: none"> • Architectural Design (Grades 9-10) <p>Other Opportunities</p> <ul style="list-style-type: none"> • NIMS Certification • Gen Z Summer Program 	<p>Pathway Classes</p> <ul style="list-style-type: none"> • Woodworking and an Introduction to the Construction Industry (Grades 9-12) * • Introduction to Construction Blueprint Reading, Carpentry and Hand Tools (Grades 9-12) * <p>PLTW Classes</p> <ul style="list-style-type: none"> • Introduction to Engineering Design (Grades 9-12) * • Digital Electronics (Grades 9-12) * • Civil Engineering & Architecture (Grades 9-12) * • Principles of Engineering (Grades 10-12) * <p>Additional Recommended Classes</p> <ul style="list-style-type: none"> • Architectural Design (Grades 9-10) • Manufacturing Pathway Classes Recommended <p>Other Opportunities</p> <ul style="list-style-type: none"> • MN Trades Academy • Construct Tomorrow
Information Technology	Healthcare
<p>Pathway Classes</p> <ul style="list-style-type: none"> • IT Explorations (Grades 9-12) * • Programming Fundamentals (Grades 9-12) * • AP Computer Science Principles (Grades 11-12) * • Web Page Design (Grades 11-12) <p>PLTW Classes</p> <ul style="list-style-type: none"> • Introduction to Engineering Design (Grades 9-12) * • Digital Electronics (Grades 9-12) * • Principles of Engineering (Grades 10-12) * <p>Additional Recommended Classes</p> <ul style="list-style-type: none"> • Architectural Design (Grades 9-10) • Graphic Arts I & II (Grades 9-12) • AP Calculus AB (Grades 10-12) * • AP Calculus BC (Grades 11-12) * • Introduction to Professional Photography (Grades 11-12) * <p>Other Opportunities</p> <ul style="list-style-type: none"> • Tech Depot • "Girls Who Code" Summer Camp 	<p>Pathway Classes</p> <ul style="list-style-type: none"> • Introduction to Healthcare Careers (Grades 9-12) * • Biomedical Engineering (Grades 11-12) • Kinesiology (Grades 11-12) • Certified Nursing Assistant (Grades 11-12) * <p>Additional Recommended Classes</p> <ul style="list-style-type: none"> • Health - First Aid/CPR Certification (Grades 9-12) • Unified P.E. (Grades 9-12) • Anatomy & Physiology (Grades 11-12) • AP Statistics (Grades 11-12) * • AP Chemistry with Biochemistry (Grades 11-12) * • AP Psychology (Grades 10-12) * • Orientation to Interpreting (Grades 11-12) ** <p>Other Opportunities</p> <ul style="list-style-type: none"> • HealthPartners Summer Camp • Scrubs Camp

* College credit
** Pending approval for college credit



ACADEMIC OPTIONS TO CONSIDER

Option	Explanation	Advantages	Considerations
AP Advanced Placement	College-level course taught in high school More rigorous coursework Offered through College Board	May earn college credit Challenges students Weighted grading	Must take AP test and get a score of three or higher for college credit Must take AP test to receive weighted grade for the class Requires above average reading, writing, and math skills
AVID Advancement Via Individual Determination	Provides support for under-represented students to be college ready Helps motivated students to improve academic performance Assists students in developing academic skills suitable for college	Students work towards college readiness Structured support during the day via the AVID Elective class Access to college visits and college student tutors	Students must meet AVID criteria Students must have desire to be in AVID Students will experience a screening process
Century College Articulation Program	Business, FACS, and Technology courses designed with Century College and/or St. Paul College	May earn college credit through Century College and/or St. Paul College Gain experience and knowledge for potential job/career	Verify the credits will transfer to college of choice Provide articulated credit certificate to accepting colleges during registration
Concurrent Enrollment Options CIS CitHS	College curriculum (U of M, MSU-Mankato, Century College) More rigorous coursework Taught in high school Some classes offered in grades 9–12	May earn college credit Weighted grading Experience pace, academic standards, and personal responsibility required for success in college	Recommended for academically strong students Must earn C or better for college credit
CLEP College Level Examination Proficiency	Demonstrate college-level achievement through exams in undergraduate coursework	May earn college credit	Recommended for academically strong students Visit www.collegeboard.org
CTC Northeast Metro 916 Career & Technical Center	Offers courses for juniors and seniors to explore careers in business, health, public service and technology	Integrates academic learning with technical education District provides transportation to all programs except construction program	Must provide own transportation to satellite programs in 2nd & 3rd time blocks Get brochure from Counseling Office Application required
Hybrid Course	Combines traditional in-class instruction with online assignments and activities throughout the week	Provides technology-based learning experiences Approximately 50% of classroom instruction per week	Requires reliable computer/internet access Recommended for students who are independent and motivated learners
Independent Study Projects	Design a study project in an academic area of interest Study topic is student's responsibility	Provides greater opportunities for highly motivated students to progress beyond the scope of standard course offerings	Recommended for highly motivated, academically strong students Requires approval of parent/guardian and administrator
PSEO Post-Secondary Enrollment Options	Minnesota sophomores, juniors and seniors enroll at participating colleges with tuition, books, and fees paid by the state of MN Earn credit towards graduation	Earn college credit at college where PSEO coursework is taken PSEO credits may transfer	Register for a full high school schedule Discuss options with your counselor Must provide own transportation
PLTW Project Lead the Way	College-level courses taught in high school More rigorous coursework Offered through Project Lead the Way	May earn college credit Challenges students May qualify for weighted grade	Must meet the requirements of the course and pass the PLTW exam to earn college credit Requires above average reading, writing, and math skills
Zero Hour South Campus only	Courses meet prior to the school day	Allows for more flexibility in schedule	Must provide own transportation Must also register for a full schedule
9th Grade Academy	Program for a selected group of ninth graders to bridge the transition from middle school to high school	Environment that encourages involvement, development, and rigor to succeed	Students are selected based on criteria established by a committee of teachers, counselors, and administrators

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 2023)

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*
Geography	Health/PE	American History	Social Studies	Elective	
Elective*		Elective*	Elective*	Elective	
Elective		Elective	Elective	Elective	

CURRENT 9th (CLASS OF 2022)

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	PE/Health**	Elective*
<i>Geography</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 2021)

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>	Chemistry or Physics	PE/Health**	Elective*
<i>Geography</i>	<i>Health/PE</i>	American History	Social Studies	Elective	
<i>Elective</i>		<i>Elective*</i>	Elective*	Elective	
<i>Elective</i>		<i>Elective</i>	Elective	Elective	

CURRENT 11th (CLASS OF 2020)

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>	<i>Chemistry or Physics</i>	PE/Health**	Elective*
<i>Geography</i>	<i>Health/PE</i>	American History	Social Studies	Elective	
<i>Elective</i>		<i>Elective*</i>	<i>Elective*</i>	Elective	
<i>Elective</i>		<i>Elective</i>	<i>Elective</i>	Elective	

*.5 elective Wellness/Arts credit must be taken in Grades 9-12

** .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		

HIGH SCHOOL ACTIVITIES PARTICIPATION

In order to be eligible to participate in Minnesota State High School League (MSHSL) interscholastic athletics, fine arts and selected other organizations at White Bear Lake Area High School, a student must meet the following requirements:

1. Complete (with assistance from a parent/guardian) the WBLAHS eligibility checklist and sign the MSHSL Eligibility Statement Form for Athletics and/or Fine Arts prior to the start of the first activity in which they participate.
2. Be academically eligible according to the guidelines set by WBLAHS.
3. Where appropriate, pay the required activity fee. The activity fee is specific to each sport and organization, and is approved each year by the School Board. Not all clubs and organizations have this activity fee; however, all MSHSL sanctioned activities do.
4. Where appropriate, have a current physical on file with the Activities Office at the appropriate campus. Physicals are current for three years from the date of the exam.
5. Be in compliance with the School Board attendance policy during each season of participation.

NCAA DIVISION I AND II STUDENT ATHLETE ELIGIBILITY INFORMATION:

If you intend to participate in National Collegiate Athletic Association (NCAA) 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 encourages students to apply online at www.ncaaclearinghouse.net. Please be sure to request your transcript to be sent to the NCAA.

The following courses do not meet NCAA Clearinghouse eligibility:

- 1763 Publications
- 1840 CitHS-Critical Reading and Thinking - RDNG 1000
- 1849 Modern Literature: Film Studies



PROGRAM SERVICES

In alignment with the American School Counselor Association (ASCA) guidelines, school counselors at White Bear Lake Area High School provide a comprehensive, developmental counseling program addressing the personal/social, academic and career development of all learners. With a strong emphasis on relationships, counselors make it a high priority to know their individual students. As a result, counselors are assigned to students according to their year of graduation. Once a counselor and student have been paired, they will remain in partnership throughout their high school career. School counselors are professional school advocates who provide support to maximize student potential and academic achievement while preparing them with the knowledge and skills to contribute at their highest level.

AREAS OF SUPPORT

School counselors promote personal and social development through a variety of in-class guidance lessons, small support groups and individual meetings. Areas addressed include: respect for self and others, goal setting/goal attaining, safety and survival skills.

School counselors facilitate academic success in providing students the opportunity to connect academics to life successes. Counselors promote skills for learning and initiate the process for Individual Learning Plans (ILPs) with each student. Academic guidance is provided through large group activities, small group seminars and individual meetings.

School counselors assist students in career and post-secondary planning. Counselors provide students the opportunity to investigate careers, learn skills for post-secondary success and understand the relationship between school, work and post-secondary planning.

White Bear Lake Area High School uses *Naviance*, a web-based post-secondary planning tool, to assist students in managing their current and future academic goals. School counselors will work with students in a variety of settings to expose them to the many capabilities of *Naviance*. A sequential program has been developed to ensure that all students explore college opportunities, investigate careers, learn of scholarship monies, create resumes, and build individual learning plans. All students and their families have access to their customized *Naviance* dashboard via a quick link on the district's website.

BEAR TIME

All students participate in this program. Beginning in ninth grade, students meet regularly in small groups during all four years of high school. The purpose of *Bear Time* 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 ready for college and/or a career.



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	Selective 4-Year University	Highly Selective 4-Year University
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.

*AP Statistics and CIS Basic and Applied Statistics 3264 may not qualify as a fourth year of math at some universities.

North & South Campus Offerings:

1006 - Media Arts & Design	(9-12)
1016 - Drawing & Painting 1	(9-12)
1056 - Drawing & Painting 2	(9-12)
1026 - Sculpture 1	(9-12)
1046 - Sculpture 2	(10-12)
1076 - Movie Production	(11-12)
1067 - Introduction to Professional Photography VCT 1071	(11-12)
1071 or 1072 - Senior Studio Art	(12)
1086 - Ceramics 1	(11-12)
1096 - Ceramics 2	(11-12)
1079 - AP Studio Art	(11-12)
1099 - AP Art History	(11-12)

1006 MEDIA ARTS AND DESIGN

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

What do Google homepage designs, the shoes you are wearing and the film you watched while eating your breakfast have in common? This class! You will learn how to design eye-catching graphics, cutting-edge clothing, and conceptual films (just to name a few), all while working with Photoshop, Prismacolor markers, and video cameras. As a result, it will show you how design impacts every part of our entertainment industry and your life!

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

Talented? Not so talented? No need to worry. This is an introductory course for anyone with an interest in drawing and painting. Start as a beginner, leave as an artist! We will study a wide variety of artists and work with color pencils, charcoal, paint and more. Bring home pictures worth framing. There is a \$25 material fee for this course. The fee is waived for all students receiving free/reduced-price lunch. **Successful completion of this course satisfies the state requirement for the Arts.**



1056 DRAWING & PAINTING 2

Semester/.5 credit *Grades 9-12*
Prerequisite: Drawing & Painting I
Level: General

Now that you are equipped with the basics, begin expanding your art skills and discover who you are as an artist. We will be creating observational drawings, as well as unique compositions through the use of graphite, charcoal, color pencil, and acrylic paint, just to name a few. You will also learn how to prepare images for display, a good thing since you'll be leaving with a large collection of impressive artwork. There is a \$25 material fee for this course. The fee is waived for all students receiving free/reduced-price lunch. **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 so not your typical art class. You will learn the radical ways sculpture has formed the world in a "hands-on" kind of way, but be prepared to get your hands dirty as we explore a variety of 3D media, including clay! There is a \$25 material fee for this course. The fee is waived for all students receiving free/reduced-price lunch. **Successful completion of this course satisfies the state requirement for the Arts.**



□ 1046 SCULPTURE 2

Semester/.5 credit *Grades 9-12*
Prerequisite: Sculpture 1
Level: General

Do you like making things that are useable as well as visually interesting? How about trying to sculpt with different mediums like clay, wire, plaster, wood, stone, paper mache, found objects, and recycled materials? In Sculpture 2, we will explore ideas that will open your mind to the possibilities of what art could be, and make you more aware of the art around you. From using everyday objects in a new way, or learning techniques that have stood the test of time; you will further develop your art skills and creative problem strategies. There is a \$25 material fee for this course. The fee is waived for all students receiving free/reduced-price lunch. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1076 MOVIE PRODUCTION

Semester/.5 credit *Grades 11-12*
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.**



□ 1067 COLLEGE IN THE HIGH SCHOOL INTRODUCTION TO PROFESSIONAL PHOTOGRAPHY - VCT 1071

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

(Concurrent enrollment with Century College's Introduction to Digital Photography)

This course provides opportunities to explore composition techniques while employing fundamental photography concepts. Student will have the opportunity to explore the digital manipulation of images using various techniques. Today's photographer is asked to communicate in a variety of mediums. The internet, newspaper, and magazines all call for today's photographers 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 digital photography and a variety of photography programs. Student will explore the history of photographic communication and their personal world of visual ideas. Students have the opportunity to earn Century College credit for this course. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 1067-H COLLEGE IN THE HIGH SCHOOL INTRODUCTION TO PROFESSIONAL PHOTOGRAPHY - HYBRID - VCT 1071

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

(Concurrent enrollment with Century College's Introduction to Digital Photography)

Photojournalism is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Hybrid courses are typically scheduled first or sixth hour. Success in hybrid courses requires students who are highly motivated, independent learners. See course 1067 for a complete course description. **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

Do you like to make things you can actually use? This course will focus on creating functional and decorative approaches to ceramic artwork. Students will learn hand-building techniques, such as coil and slab, as well as creating wheel thrown pottery. You will develop your skills for glazing your items with food-safe glazes that you can use. Various artistic styles and historical inspirations are explored, as well. There is a \$25 material fee for this course. The fee is waived for all students receiving free/reduced-price lunch. **Successful completion of this course satisfies the state requirement for the Arts.**

1096 CERAMICS 2

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

Can't get enough clay? Welcome back! Ceramics 2 will further your skills in ceramic construction techniques. Students will use the pottery wheel to make advanced pottery forms and pieces, as well as explore more advanced hand-building methods. Students will be experimenting several forms of traditional and contemporary surface decoration in addition to glazing. There is a \$25 material fee for this course. The fee is waived for all students receiving free/reduced-price lunch. **Successful completion of this course satisfies the state requirement for the Arts.**

1071 - Semester 1072 - Full Year

SENIOR STUDIO ART

Semester/.5 credit *Grade 12*
Full Year/1 credit
Prerequisite: Successful completion of any two visual arts courses 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 field trips enhance student experience in the art field. There is a \$25 material fee for this course. The fee is waived for all students receiving free/reduced-price lunch. **Successful completion of this course satisfies the state requirement for the Arts.**

1079

ADVANCED PLACEMENT STUDIO ART

Year/1 credit *Grades 11-12*
Prerequisite: Successful completion of any two visual arts courses or instructor waiver.
Level: Advanced

AP Studio Art is designed for students who are seriously interested in practical experiences 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 College Board. The AP Program offers three possible choices in portfolio development. Students can opt to take this course for non-AP credit. There is a \$25 material fee for this course. The fee is waived for all students receiving free/reduced-price lunch. **Successful completion of this course satisfies the state requirement for the Arts.**



1099

ADVANCED PLACEMENT ART HISTORY

Semester/.5 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)

These are elective courses 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 support to succeed in rigorous, college-preparatory courses. It also provides motivation with a supportive, family-like environment. 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 *Grade 9*
Level: General
Prerequisite: Application and interview. Must meet AVID standards in regard to grades, attendance and behavior.

Students are encouraged to apply to AVID who have: average to high test scores, GPAs in the range of 2.0 to 3.7, excellent attendance and behavior, and the desire and determination to take a rigorous course load.

1302

AVID 10

Year/1 credit *Grade 10*
Level: General
Prerequisite: Application and interview. Must meet AVID standards in regard to grades, attendance and behavior.

Students are encouraged to apply to AVID who have: average to high test scores, GPAs in the range of 2.0 to 3.7, excellent attendance and behavior, and the desire and determination to take a rigorous course load.

1303

AVID 11

Year/1 credit *Grade 11*
Level: General
Prerequisite: Application and interview. Must meet AVID standards in regard to grades, attendance and behavior.

Students are encouraged to apply to AVID who have: average to high test scores, GPAs in the range of 2.0 to 3.7, excellent attendance and behavior, and the desire and determination to take a rigorous course load.

1304

AVID 12

Year/1 credit *Grade 12*
Level: General
Prerequisite: Application and interview. Must meet AVID standards in regard to grades, attendance and behavior.

Students are encouraged to apply to AVID who have: average to high test scores, GPAs in the range of 2.0 to 3.7, excellent attendance and behavior, and the desire and determination to take a rigorous course load.



BUSINESS AND MARKETING

Grade 9-10 Offerings:

Career Investigation
Marketing

Grade 11-12 Offerings:

Accounting 1
Accounting 2
Career Investigation
Entrepreneurship and
Business Management
Law
Marketing
Personal Finance
Web Page Design

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 and what do they pay? This course will help you find the answers to these important questions. Students will participate in career assessments and aptitude testing to find what careers fit their personalities and interests. You will learn how to locate jobs and how to keep them. A diverse array of speakers share their real-world experiences. Students will explore colleges and other post-secondary options. Students will learn about costs, how to apply, ACT test-taking and determine which option is right for them. This course culminates by creating a resume, application letter and participating in a mock interview.

Recommended if interested in the Career Pathways Program.

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 take students on a journey through the world of business and marketing. Students will learn the process of producing, advertising, promoting, distributing, and pricing products and services. Students will engage in hands-on activities, hear from marketing speakers who are experts in their fields, and will be part of an e-mail business correspondence with a marketing professional. Students will attend a field trip where they will tour a major Twin Cities business and be able to meet their mentor.

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, bank services, checking/debit card account management, budgeting, taxes, apartment leases, and understanding the process of purchasing or leasing and insuring a vehicle.

1204

ENTREPRENEURSHIP AND BUSINESS MANAGEMENT

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

Attention business majors, entrepreneurs and small business owners! This course is an excellent foundation for individuals bound for post-secondary education or the workforce. 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 one's own small business.





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; and handle checking accounts.

1244

ACCOUNTING 2

Semester/.5 credit *Grades 11-12*
Prerequisite: Accounting 1
Level: Advanced

The Accounting 2 course is a rigorous continuation of Accounting 1. This course should be taken by any student who is interested in studying business in college and/or intends on owning their own business. This course will cover the complete accounting cycle for a merchandising business organized as a corporation. Students will use an online accounting simulation to give them a realistic hands-on experience of running a business from a financial perspective.

1274-H

PERSONAL FINANCE - HYBRID

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

Personal Finance is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Hybrid courses are typically scheduled first or sixth hour. Success in hybrid courses requires students who are highly motivated, independent learners. See course 1274 on page 17 for a complete course description.

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.

1194

WEB PAGE DESIGN

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

Have you ever thought of making your own web page? This hands-on computer class shows you how. You will learn how to create your own web page with HTML (the language behind web design) and through web design tutorial programs. You will learn to apply different ways of designing pages while creating your own web pages for personal and business use with proper formatting, eye-catching graphics and meaningful text. **This is an IT Career Pathway course.**



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, that 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.

MANUFACTURING CAREER PATHWAY

The Manufacturing Pathway is a 4-course sequence: Manufacturing and Applied Engineering 1 and 2 (grades 9-12) and Precision Machining 1 and 2 (grades 11-12). Students who complete the pathway will have the opportunity to earn NIMS credentials.

INFORMATION TECHNOLOGY (IT) PATHWAY

The IT Pathway is a 3-course sequence: IT Explorations, AP Computer Science, and Programming Fundamentals. Students who complete the pathway will have the opportunity to earn college credit through Century College.

2264

INTRODUCTION TO ENGINEERING DESIGN (PLTW)

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

Introduction to Engineering is an introductory course, which develops students' 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. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits through the University of Minnesota. Three articulated credits may also be available through Century College or other community colleges in Minnesota. **Successful completion of this course satisfies the state requirement for the Arts. This course is recommended for students interested in the Manufacturing and/or Construction Career Pathways.**

2265

PRINCIPLES OF ENGINEERING (PLTW)

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 through the University of Minnesota. Three articulated credits may also be available through Century College or other community colleges in Minnesota. **This course is recommended for students interested in the Manufacturing and/or Construction Career Pathways.**

2267

DIGITAL ELECTRONICS (PLTW)

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 through the University of Minnesota. Three articulated credits may also be available through Century College or other community colleges in Minnesota. **This course is recommended for students interested in the Manufacturing and/or Construction Career Pathways.**



2268

CIVIL ENGINEERING AND ARCHITECTURE (PLTW)

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 for the teacher and students to develop the property as a simulation or for 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 (PLTW) 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 teams, 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 through the University of Minnesota. Three articulated credits may also be available through Century College or other community colleges in Minnesota. **This course is recommended for students interested in the Manufacturing and/or Construction Career Pathways.**



2345

MANUFACTURING AND APPLIED ENGINEERING 1

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

This course will build a foundation for additional training opportunities in machining, manufacturing and engineering career disciplines. Instructional areas will include accuracy of print reading, use of precision measuring instruments, use of Computer Aided Design and Modeling, and benchwork applications and operations. These technical skills are a necessity for any student who has a desire to enter any engineering or manufacturing career. Students will have the opportunity to complete the OSHA 10 safety credential as part of the coursework. Combine this course with Manufacturing and Applied Engineering 2 in order to gain the skills required for a National Institute for Metalworking Skills (NIMS) Level 1 credential. **This is a Manufacturing Career Pathway course.**

2346

MANUFACTURING AND APPLIED ENGINEERING 2

Semester/.5 credit Grades 9-12
Prerequisite: Manufacturing and Applied Engineering 1
Level: General

The second in a series of courses designed to build skill sets that will focus on the continual development of students to enter the manufacturing and applied engineering careers. Expanding on the foundation that was developed in Manufacturing and Applied Engineering 1, students will experience applications to benchwork and Computer Numerical Control (CNC) machining. Students will also gain industry experience through career shadow experiences with local White Bear industries. Combine this course with Precision Machining 1 to help develop the essential skills to work towards a National Institute for Metalworking Skills (NIMS) Level 1 credential. Articulated credits are available for this course through St. Paul College. **This is a Manufacturing Career Pathway course.**

2341

PRECISION MACHINING 1

Semester/.5 credit Grades 11-12
Prerequisite: None, but recommendation of Manufacturing and Applied Engineering 2.
Level: General

Precision Machining 1 is a semester course that provides an introduction to Computer Numerical Control (CNC) machining, machining software and related parametric modeling applications. This automation of machine control is an essential element to the success of modern day manufacturing practices. Students will learn CNC applications on industry standard software and machines from manufacturers such as HAAS, Tormach, SolidWorks, Autodesk and Mastercam. Students will have the opportunity to complete the OSHA 10 safety credential as part of the coursework. Combine this course with Precision Machining 2 in order to gain the skills required for a National Institute for Metalworking Skills (NIMS) Level 1 credential. **This is a Manufacturing Career Pathway course.**

2342

PRECISION MACHINING 2

Semester/.5 credit Grades 11-12
Prerequisite: Precision Machining 1
Level: Advanced

Precision Machining 2 is the capstone course in the Manufacturing Pathway sequence. This is an advanced level course that continues your experience with Computer Numerical Control (CNC) machining, machining software and related parametric modeling applications. Experiences in this course will provide students with a competitive edge when entering post-secondary opportunities. Students will develop a performance portfolio and complete their work with a career navigator for post-secondary placement opportunities and complete the testing process for the NIMS credential. Articulated credits are available for this course through St. Paul College. **This is a Manufacturing Career Pathways course.**

2401

COLLEGE IN THE HIGH SCHOOL IT EXPLORATIONS - ITT 1000

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

Are you curious about careers in the hot industry of information technology (IT)? The world of IT offers outstanding career potential and livable wages. This introductory course will expose students to the wide-open world of information technology in the areas of programming, networking, security, analytics, and more. This is the entry level course in an IT Career Pathway and students are eligible for concurrent enrollment college credit through Century College. **This is an IT Career Pathway course.**

2402

COLLEGE IN THE HIGH SCHOOL PROGRAMMING FUNDAMENTALS - CSCI 1081

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

This course introduces the fundamental concepts, structures and techniques of programming. Topics include introduction to algorithms, design and development, and the fundamental constructs of programming and data. Students will use a modern integrated development environment to create complex, multi-file projects. The course also introduces students to numerical applications, machine architecture, revision control, and unit testing. Differences between the C and C++ language are presented. Students are eligible to receive concurrent enrollment college credit through Century College. **This is an IT Career Pathway course.**

3110

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

Year/1 credit Grades 11-12
Prerequisite: Successfully completed Algebra 2.
Level: Advanced

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The curriculum framework focuses on the innovative aspects of computing, as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives. Topics include computational thinking practices, connecting computing, creating computational artifacts, abstracting, analyzing problems and artifacts, communicating, collaborating, and creativity. **This is an IT Career Pathway course.**

FAMILY & CONSUMER SCIENCES (FACS)

Includes:

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

EDUCATION CAREER PATHWAY COURSES:

CIS: Exploring the Teaching Profession I - CI 3901

CIS: Exploring the Teaching Profession II - CI 3902

- Parenting and Child Development
- Early Childhood Education Lab
- Exceptional Child Lab

2001

FOODS AND NUTRITION

Semester/.5 credit Grades 9-10

Prerequisite: None

Level: General

This introductory food course will allow students the opportunity to gain confidence in the kitchen and learn basic cooking skills while collaborating with peers in the food lab. Students will develop skills that align with the agriculture, food and natural resources career cluster. Those skills include kitchen safety and sanitation, measuring, cooking methods, and the use of commercial cooking equipment. Students will follow the journey of our food from Farm to Table and examine how the local food economy is influenced by our food choices.

2002

INTERNATIONAL FOODS

Semester/.5 credit Grades 9-10

Prerequisite: None

Level: General

This course gives students an opportunity to plan, prepare and taste foods that originate in countries around the globe. Students will have the opportunity to gain confidence in the kitchen, learn basic cooking skills, try new foods and learn about diverse cultures. Countries included in the culinary tour are Greece, Germany, France, Scandinavia, China/Thailand, Mexico, Italy, India and the United States for regional classics and Soul Food.



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 their family and friends. This course emphasizes nutrition concepts, healthful food preparation and cultural cooking. This class includes lots of labs!

2084

CULINARY ESSENTIALS

Semester/.5 credit Grades 11-12

Prerequisite: None

Level: General

Culinary Essentials provides a hands-on opportunity for students to gain a deeper understanding of food production, cooking methods, baking, and food safety. This is a course for students embarking on a culinary career or those who have a passion for the art of cooking. Students typically will cook three recipes per week throughout the semester.

2034

FASHION DESIGN & SEWING

Semester/.5 credit Grades 9-10

Prerequisite: None

Level: General

Students in this class will explore the world of fashion, design, clothing, and sewing. This course begins with studying the principles and elements of design, fashion cycles and history, and fashion designers before moving into sewing terms and techniques. In our sewing labs, students will complete a combination of assigned and self-selected sewing projects that will strengthen their technical reading and sewing construction skills. This course provides students with the unique opportunity to combine creative expression, career exploration, and hands-on project construction. **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.

□ 2114

HOUSING & INTERIOR DESIGN

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

This course is an excellent choice for students wishing to explore housing and interior design through an assortment of projects and activities. Topics of study include the cultural, social, and psychological aspects of housing, housing styles, applications of the principles and elements of design, floor planning, and client centered portfolio designing. This course prepares students for careers and higher education programs related to design, housing, and interiors. **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

In this course, students will gain important skills for adulthood. Students will focus on areas such as goal setting, career exploration, using credit and credit cards responsibly, and keeping financial records. Students will complete projects that imitate real-life situations. Each student will complete a resume and cover letter to be used in a mock interview. The curriculum in this course works to provide students with skills required for college and career readiness.

□ 2094-H

LIVING ON YOUR OWN: CONSUMER ECONOMICS - HYBRID

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

Living on Your Own: Consumer Economics is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Hybrid courses are typically scheduled first or sixth hour. Success in hybrid courses requires students who are highly motivated, independent learners. See course 2094 above for a complete course description.

□ 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 physical, intellectual, emotional, and social growth of children. This class is the first in a series of child development classes that will focus on pregnancy, childbirth, newborns, infants, and toddlers. Additionally, students will explore various parenting styles and how to effectively care for children at different ages. Students will also have the opportunity to practice caring for an infant by taking a Real Care infant simulator home overnight. **This is a course in the emerging Education Career Pathway.**

□ 2064

EARLY CHILDHOOD EDUCATION LAB

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

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. This course is designed for students who might be interested in careers involving young children. **This is a course in the emerging Education Career Pathway.**

□ 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 young people with disabilities. Through this experience in a special needs classroom, students will explore a wide variety of related career areas such as physical therapy, occupational and speech therapy, becoming a special education teacher or paraprofessional. **This is a course in the emerging Education Career Pathway.**

□ 2128

COLLEGE IN THE SCHOOLS: EXPLORING THE TEACHING PROFESSION I - CI 3901

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

This course is designed for students interested in the field of K-12 education. Exploring the Teaching Profession is a service learning based course. Students will spend several days per week working with students and teachers. The central themes of this course are: (1) increasing cultural competence; (2) parent and community engagement; and (3) personal reflection and professional development. Students will focus on reflective teaching and the reciprocity of service learning. Students have the opportunity to earn University of Minnesota college credit for this course. **This is a course in the emerging Education Career Pathway.**

□ 2129

COLLEGE IN THE SCHOOLS: EXPLORING THE TEACHING PROFESSION II - CI 3902

Semester/.5 credit *Grades 11-12*
Prerequisite: Exploring Teaching I
Level: Advanced

This course is a continuation of Exploring Teaching I. Students who register for this course will continue to work with students and teachers several days per week at local school sites. The course will answer guiding questions such as: (1) How do our everyday acts promote a more equitable society; (2) How can educators acknowledge and engage with lived experiences of identity; and (3) How can educators counter unequal expectations students may have already experienced because of their identities? Students are eligible to earn two college credits through the University of Minnesota. **This is a course in the emerging Education Career Pathway.**

Health and Physical Education Requirement:

.25 credit in Health and
.25 credit in PE in Grade 9
(Course #1954 and #3904)

.5 credit in Health, PE, or the Arts
elective sometime in Grade 9-12

.25 credit in Health and
.25 credit in PE in Grade 11 or 12
(Course #1943)

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 health such as: mental health, nutrition, leading causes of death in the United States, drug education, relationships, 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.

1923

CURRENT TOPICS IN HEALTH

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

This is a course that will provide students with information and/or strategies around many health issues that teens deal with every day. The class will be structured to allow an in-depth study of: mental illness diagnoses, treatment and prevention, stress management/reduction and coping strategies, stages of grief and loss, healthy relationship and communication strategies, mindset research and training, and college health and safety. Students will also have the opportunity to choose issues that they would like to learn more about and find relevant to them.

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 two times per week during the class period. 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 oneself. 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. This course may be of particular interest to students who wish to pursue a career in healthcare. This is a Healthcare Career Pathway course.

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, mental health challenges, and the American Heart Association first aid and CPR techniques for infants, children and adults. Students opting to pay a participant fee will be awarded a full American Heart Association certification status. This is a hands-on class with many opportunities to learn life-saving skills.

1943-H

HEALTH AND PHYSICAL EDUCATION FOR YOUR FUTURE - HYBRID

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

Health and Physical Education for Your Future is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Hybrid courses are typically scheduled first or sixth hour. Success in hybrid courses requires students who are highly motivated, independent learners. See course 1943 (above) for a complete course description.

□ 1943-A HEALTH AND PHYSICAL EDUCATION FOR YOUR FUTURE (ADVISORY EMBEDDED)

*Semester/.25 credit Health Grades 11-12
& .25 credit Physical Education*

Prerequisite: None

Level: General

Registration for this online course is in addition to a full course load of six credits and should be completed during open registration.

This hybrid course is designed in a flexible format where students will have a mix of face-to-face contacts with their online instructors for 30 minutes during the scheduled academic advising session and complete individual online coursework. Students will be required to complete online assignments and fulfill course expectations. Students who are not progressing at the first mid-term will be scheduled into a second semester traditional #1943 course. Attendance at an orientation meeting will be required for the student and parent preceding the start of the course. Students must have access to a computer and internet on a daily basis outside of the school day. This course will satisfy the South Campus Health and Physical Education requirement for graduation. See course 1943 for a complete course description on page 24.

□ 1943-Z HEALTH AND PHYSICAL EDUCATION FOR YOUR FUTURE - ZERO HOUR HYBRID

*Semester/.25 credit Health Grades 11-12
& .25 credit Physical Education*

Prerequisite: None

Level: General

Health and Physical Education for Your Future is offered as a zero hour course. Registration for this course is in addition to a full course load of six credits and should be completed during open registration. Zero hour courses meet prior to the school day and students must provide their own transportation. The Health portion of this course is hybrid and the PE portion meets daily (PE not hybrid). See course 1943 for a complete course description on page 24.



□ 1993 COLLEGE IN THE HIGH SCHOOL INTRODUCTION TO HEALTHCARE CAREERS - HSCI 1000

Semester/.5 credit Grades 9-12

Prerequisite: None

Level: General

Students have the opportunity to earn three college credits through concurrent enrollment with Century College. The course is designed for students interested in exploring various careers in the healthcare industry, e.g., dental assisting/hygiene, diagnostic imaging, emergency medical services, medical assisting, medical office careers, orthotics and prosthetics, nursing, and other allied health fields. It is an overview of how healthcare is delivered in the United States. This course will give students an opportunity to explore their future in the healthcare industry. Class experiences include an in depth career research project of your choice, opportunities to listen and talk to a variety of healthcare professionals, and field trips to Century College and other healthcare facilities. **This is a Healthcare Career Pathway course.**

□ 1993-H COLLEGE IN THE HIGH SCHOOL INTRODUCTION TO HEALTHCARE CAREERS - HYBRID - HSCI 1000

Semester/.5 credit Grades 9-12

Prerequisite: None

Level: General

This hybrid course combines traditional classroom instruction with online assignments. See course 1993 above for a complete description.

□ 2269 BIOMEDICAL ENGINEERING

Semester/.5 credit Grades 11-12

Prerequisite: None

Level: Advanced

The major focus of this semester course is to expose students to the diverse field of biomedical engineering. Lessons engage students in engineering design problems related to cardiovascular engineering, biomedical devices, and bioethics. A unique partnership with 3M will provide authentic learning related to the overview and demonstration of a variety of 3M products used for medical applications, the opportunity to experience real-world application through professional scientists and engineer speakers, and a tour of 3M facilities/laboratories. Students will apply biological and engineering concepts to design materials and processes that directly measure, repair, improve and extend living systems. This course may be of particular interest to students who would like to pursue a career in biomedical engineering or other medical careers. **This is a Healthcare Career Pathway course.**

□ 1930 COLLEGE IN THE HIGH SCHOOL CERTIFIED NURSING ASSISTANT - HCSI 1001

Semester/.5 credit Grades 11-12

Prerequisite: Must be 16 or older

Level: Advanced

Students have the opportunity to earn college credit for this course through concurrent enrollment with Century College. This course introduces concepts of basic human needs, health/illness continuum, and basic nursing skills in long-term care, acute care, and/or home care environments. Skills are taught in a simulated laboratory setting utilizing demonstration and role-playing. Upon successful completion of classroom studies, students will participate in a minimum of 16 hours of supervised clinical experience in a long-term care facility. This course meets the state and federal requirements as detailed for educating the nursing assistant. Upon completion of this course, students will be eligible to take the examination for placement on the Minnesota Department of Health Nursing Assistant Registry. **This is a Healthcare Career Pathway course.**



LANGUAGE ARTS

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

Grade 9:

Language Arts 9 or
Honors Language Arts 9

Grade 10:

Language Arts 10 or
Honors Language Arts 10

Grade 11:

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

Grade 12:

1 from the following:
Language Arts 12
AP English Language and Composition
AP English Literature and Composition
eCIS Writing Studio 1201
CIS Writing Studio 1301
OR

2 from the choices listed below:

Composition 12: College Writing
Composition 12: Creative Writing
Critical Reading and Thinking
Public Speaking
CIS Introduction to Literature 1001
World Literature
Modern Literature: Film Studies
Strategies for College and Career Reading

Additional courses offered as electives:

- Publications
- Social Justice, Change & Responsibility
- Strategies for College and Career Reading Grade 10

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

□ 1533

LANGUAGE ARTS 9

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 fulfills one credit of the Language Arts requirement for graduation, and provides preparation for the MCA Reading test (grade 10).**

□ 1543

HONORS LANGUAGE ARTS 9

Year/1 credit Grade 9
Prerequisite: Recommendation of eighth grade language arts teacher, demonstrated academic achievement and completion of summer reading component. A MAP reading score of 235 or above is recommended.
Level: Advanced

This course challenges students to write several essays through which they demonstrate in-depth analysis of several types of texts. It includes writing a research-based persuasive essay, interpreting texts through different perspectives, and many reading assignments (both collaborative and self-guided). Students are expected to read at or above grade level, possess strong essay-writing skills, and demonstrate personal accountability for their work, as well as excellent time management. **This essential course fulfills one credit of the Language Arts requirement for graduation, and provides preparation for the MCA Reading test (grade 10).**

□ 1798

SOCIAL JUSTICE, CHANGE AND RESPONSIBILITY

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

In this course, students will use the Language Arts skills of speaking, listening, reading, and writing to explore the ideas of social justice, responsibility and change through the lenses of multiple minority and marginalized groups in the United States including: Native Americans, African Americans, Women, Latino Americans, Asian Americans, LGBTQ Americans, and Disabled Americans. As part of this exploration, students will engage in frequent discussions of historical and contemporary perspectives, as well as complete exploratory projects (both individual and collaborative). Work for this course will be discussion intensive and project-based.

□ 1603

LANGUAGE ARTS 10

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.**



□ 1623 HONORS LANGUAGE ARTS 10

Year/1 credit *Grade 10*
Prerequisite: Recommendation of ninth grade language arts teacher, demonstrated academic achievement, and completion of summer reading/writing component. A MAP score of 240 or above is recommended due to complexity and volume of reading in this course.
Level: Advanced

Students registering for this course should possess above grade-level reading comprehension, self-initiative, and discipline. Students will be asked to complete extensive reading, writing, and speaking-focused assignments using critical thinking. Coursework for Honors Language Arts 10 is designed to prepare students for future honors- and college-level expectations by asking students to participate in analyzing a variety of excerpts and full works of literature by examining literary movements throughout history and the world. Students will also complete choice reading from movements studied within the course using independent analysis skills learned in class curriculum. Students will use their skills to engage in close reading, discussion, and academically analytical writing. **Special attention will be given to preparation for the MCA Reading test.**

□ 1633 HONORS LANGUAGE ARTS 10: AMERICAN EXPERIMENT

Year/1 credit *Grade 10*
(Students must also enroll in Honors American History)
Prerequisite: Recommendation of ninth grade Language Arts teacher, B or higher in Honors Language Arts 9, or A- or higher in Language Arts 9. A MAP score of 240 or above is recommended.
Level: Advanced

This course uses literature to help students understand the societal, economic, and political changes throughout American History. This course is designed for students who love both history and literature, and who have the ability to carefully and closely read a variety of texts to enhance their understandings of the American Experiment History course. This course emphasizes critical thinking and developing independent ideas, much more than a student's ability to follow specifics of set curriculum. Students are expected to think "outside the box" and create their own analysis and synthesis of understanding complex ideas. Successful American Experiment students have the time, organization, discipline, and desire to participate in difficult reading, group work, and research projects. Some work for the course will focus on skills and ideas taught in both Language Arts and History classes. This course is also listed in the Social Studies section and requires dual enrollment. **Special attention will be given to preparation for the MCA Reading test.**

□ 1805 STRATEGIES FOR COLLEGE AND CAREER READING

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

This course focuses on techniques for reading and studying textbooks in various college courses. Topics include effective learning and critical reading strategies for social sciences, sciences, technology, and the humanities. Students will also have the opportunity to explore how critical reading skills are applied in various career fields. This course is an elective for sophomores looking to improve reading skills for high school. In addition, sophomores who successfully complete this course will increase college and career readiness skills and avoid post-secondary remediation in reading.

□ 1823 LANGUAGE ARTS 11

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

Year/1 credit *Grade 11*

Prerequisite: Students will be recommended for this course by their tenth 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

Year/1 credit *Grade 12*

Prerequisite: Language Arts 11

Level: General

Students may not register for this course, but are selected based on assessment data and previous performance in Language Arts courses. Language Arts 12 is a survey course of literature, non-fiction reading, formal composition, informal public speaking, and critical viewing. Previous skills will be refined, and new skills will be introduced in a manner that is both challenging and flexible. Students will explore ideas through reading, writing, presenting, and researching. Students will discuss ideas using content area terminology. Students will seek out parallels among course texts, real world events, and personal experiences. Most coursework will be completed in-class; however, homework may be required to excel. Students who choose to complete all designated College Reading assignments and earn a “C” or higher on these designated critical reading assignments, and who earn a “C” or higher in the course, will earn a “PASS” on the Accuplacer test in Reading. This will be recognized by Century College, and the students who meet these goals will not need to take zero credit reading remediation courses at Century College.

□ 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 research, literary and critical analysis, process analysis, compare and contrast, profile, and expository writing.

□ 1843-H

COMPOSITION 12: COLLEGE WRITING - HYBRID

Semester/.5 credit *Grade 12*

Prerequisite: Language Arts 11

Level: General

Offered as a hybrid course, typically scheduled first or sixth hour. Traditional classroom instruction is combined with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. See course 1843 for a complete course description (listed above).

□ 1843-Z

COMPOSITION 12: COLLEGE WRITING - ZERO HOUR - HYBRID

Semester/.5 credit *Grade 12*

Prerequisite: Language Arts 11

Level: General

College Writing is offered as a zero hour course. Registration for this course is in addition to a full course load of six credits and should be completed during open registration. Zero hour courses meet prior to the school day and students must provide their own transportation. See course 1843 for a complete course description (listed at the top of this column).

□ 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, poetry, narrative, dialogue, monologue, memoir/autobiography, and creative non-fiction.

□ 1844-H

COMPOSITION 12: CREATIVE WRITING - HYBRID

Semester/.5 credit *Grade 12*

Prerequisite: Language Arts 11

Level: General

Offered as a hybrid course, typically scheduled first or sixth hour. Traditional classroom instruction is combined with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. See course 1844 for a complete course description (listed above).

□ 1845

WORLD LITERATURE

Semester/.5 credit *Grade 12*

Prerequisite: Language Arts 11

Level: General

Students in this course will prepare for post-secondary literary study through the examination of literacy archetypes and other theoretical approaches to find meaning in traditional and modern world texts. 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, from ancient poetry and Shakespearean drama, to modern novels and film. Students will be expected to create formal writing assignments and present projects.





1849

MODERN LITERATURE: FILM STUDIES

Semester/.5 credit *Grade 12*
Prerequisite: Language Arts 11
Level: General

A complex course studying the different mediums of language: writing, visualization, and audio analysis. Students will analyze the techniques of 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.**

1847

PUBLIC SPEAKING

Semester/.5 credit *Grade 12*
Prerequisite: Language Arts 11
Level: General

A course in formal and extemporaneous speaking. Students will closely analyze verbal and nonverbal communication techniques, interpersonal and group communication skills, performance, and public speaking. With a strong emphasis on peer analysis and evaluation, students will learn how to write, revise, and deliver speeches to communicate effectively with varied audiences. Course assignments will include (but are not limited to) a demonstration speech, a life-lesson speech, and extemporaneous speaking.

1763

PUBLICATIONS

Year *Grades 11-12*
.5 credit elective
.5 credit Senior Language Arts
Prerequisite: 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 and/or the *Bear Bulletin* school newspaper staff. Students will learn and directly apply layout design, photography, interview techniques, thematic development, feature writing, and other journalistic writing skills. Coursework 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 and school publications. Students will need to apply for the course, and the final selection will be based on a teacher recommendation. **This course does not meet NCAA Clearinghouse eligibility.**

1840

COLLEGE IN THE HIGH SCHOOL: CRITICAL READING AND THINKING - RDNG 1000

Semester/.5 credit *Grade 12*
Prerequisite: Language Arts 11
Level: General

This course aligns with Century College's course - Critical Reading and Thinking for College (RDNG 1000). Critical Reading and Thinking for College is a college-level course in reading which emphasizes critical reading and thinking skills using focused questioning. This course primarily presents and applies strategies for critical analysis and evaluation of college-level texts. Students will develop strategies to adjust reading based on need and purpose to enhance more effective textual study and to increase college-level vocabulary. This course will help students brush up on critical skills for success in meeting the rigorous demands of undergraduate and graduate study. Successful completion of this course with a "C" or better will result in three college credits through Century College. **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 be in the top 20% of their class, and have teacher recommendation.
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 cover the 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.





□ 1779

ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION

Year/1 credit

Grades 11-12

Prerequisite: Teacher recommendation

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.

□ 1855

ENTRY POINT COLLEGE IN THE SCHOOLS: WRITING STUDIO - ENGL 1201

Semester/.5 credit

Grade 12

4 Semester credits (U of M)

Prerequisite: Language Arts 11, teacher recommendation, and academic middle (between 50-80 percentiles).

Level: General/Advanced

Writing 1201 is part of the Entry Point College in the Schools (eCIS) program offered through the University of Minnesota. Students will earn four college elective credits. It is designed as a pre-course to prepare students for college-level writing. Writing Studio 1201 introduces students to general writing strategies encountered at the college level. Through frequent practice and feedback, students learn to see writing as a tool for learning and a vehicle for the expression of ideas and informed views. Students also learn a working vocabulary for discussing writing. Typical assignments include informal writing derived from personal experience, response to readings, analysis and evaluation of sources on the web and in print, and formal papers that increasingly make use of sources as well as close reading of texts. The course emphasizes the active practice of writing, from gathering ideas for a paper, through the drafting of papers, to careful editing.

□ 1856

COLLEGE IN THE SCHOOLS: WRITING STUDIO - ENGL 1301

Semester/.5 credit

Grade 12

4 Semester credits (U of M)

Prerequisite: Language Arts 11, teacher recommendation, and top 20%.

Level: Advanced

Writing 1301 is a college freshman level writing course and students will earn four college credits in composition. CIS Writing Studio 1301 involves critical reading, writing, and thinking as students practice the types of academic writing they may expect in their college career, such as summaries, essays, academic arguments, bibliographies, and research papers. The course is designed to help students develop a clear thesis in a written paper and support that thesis with appropriate sources, evidence, and documentation. Time is spent discussing rhetorical elements of writing such as audience, purpose, and argumentative structure. In addition, students practice steps in the writing process such as invention, research, organization, drafting, revision, and editing. Students report, synthesize, and draw conclusions regarding the significance of what they read. Students become aware of the linguistic and rhetorical choices they can make in their writing.

□ 1789

ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION

Year/1 credit

Grade 12

Prerequisite: Teacher recommendation

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.

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 2018 AND BEYOND					
	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade ELECTIVE OPTIONS
College or Career Ready	Algebra 1	Intermediate Algebra	Geometry	Algebra 2	Alg 3/Trig. & Analytic Geometry or Pre-Calc w/Trig. or eCIS College Algebra through Modeling or Alg 3/Trig. (sem.) and/or CIS Basic & Applied Statistics (sem.)
** AP Calculus Sequence 1	Algebra 1	Accelerated Geometry & Algebra	Accelerated Algebra 2	Alg 3/Trig. & Analytic Geometry or Pre-Calc w/Trig.	Pre-Calc w/Trig. or AP Calculus AB and/or AP Statistics
AP Calculus Sequence 2	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 3	Honors Algebra 2 (with Geometry in 7th Grade)	*Honors Pre-Calculus with Trigonometry	AP Calculus AB	AP Calculus BC or AP Statistics	Multivariable Calculus and AP Statistics or AP Statistics

* Students who earn a C or lower in Honors Algebra 2 should take Algebra 3 and Analytic Geometry before Pre-Calculus or Honors Pre-Calculus.

** Students may enroll in this sequence if they are highly motivated to put themselves onto an accelerated track toward AP Calculus. Students should have a winter of eighth grade MAP score of at least 236 or better, an eighth grade MCA score of 850 or better, and A's or B's in all quarters of seventh and eighth grade mathematics. See course description for more information.

College or Career Ready:

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

AP Calculus Sequence 1:

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. This sequence is geared toward students who are driven, self-motivated, and looking for additional challenge. Our ninth and tenth 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.

AP Calculus Sequence 2:

Students who successfully complete Geometry in eighth grade continue to work at an advanced level of depth and breadth in their high school math courses. This will include the opportunity to earn two AP college credits in Advanced Placement Calculus AB and BC, as well as an option to take AP Statistics.

AP Calculus Sequence 3:

Students who successfully complete Honors Algebra 2 in eighth grade continue a rigorous math sequence throughout high school with the opportunity to earn three AP college credits. This will include two years of Advanced Placement Calculus and a senior year Multivariable Calculus/AP Statistics course.



MATHEMATICS

□ 3033

INTERMEDIATE ALGEBRA

Year/1 credit Grades 9-10

Prerequisite: Algebra 1 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.

□ 3054

ACCELERATED GEOMETRY & ALGEBRA 1

Year/1 credit Grade 9

Prerequisite: Algebra 1 and/or teacher recommendation.

Level: Advanced

Successful students in this course are those who have achieved a score of at least 236 on the NWEA MAP test in the winter of eighth grade, an MCA score of 850 or higher, and have earned A's or B's every quarter in their seventh and eighth grade math classes. Students who choose this course should be driven, self-motivated students seeking additional challenge in math. Students below these standards should take Intermediate Algebra.

The focus of the course is on developing a 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.



□ 3063

ACCELERATED ALGEBRA 2

Year/1 credit Grade 10

Prerequisite: Accelerated Geometry and Algebra 1

Level: Advanced

This course is the second course in the Accelerated track, to be taken after Accelerated Geometry. This 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.

□ 3073

GEOMETRY

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

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.

□ 3233

ALGEBRA 2

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.

MATHEMATICS



□ 3163 ALGEBRA 3/TRIGONOMETRY AND ANALYTIC GEOMETRY

Year/1 credit *Grades 9-12*
Prerequisite: Algebra 2
Level: Advanced

This course may be used as a bridge from Honors Algebra 2 to Pre-Calculus with Trigonometry. 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. Students will also be exposed to pre-calculus topics including function theory, polynomial functions, and exponential and logarithmic functions. In addition, students will explore Analytic Geometry in connection with algebraic concepts. This course is intended to be taken after Honors Algebra 2 by students seeking to strengthen their skills before moving on to Pre-Calculus with Trigonometry. Seniors have the opportunity to take this course in partnership with Century College, which will **not** include Trigonometry and Analytic Geometry.

□ 3104 ALGEBRA 3/TRIGONOMETRY

Semester/.5 credit *Grade 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.

□ 3173 PRE-CALCULUS W/TRIGONOMETRY

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

Year/1 credit *Grades 9-10*
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, conic sections, and an examination of limits.

□ 3269 ADVANCED PLACEMENT STATISTICS

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. AP Statistics may not qualify as a fourth year of math at some universities.

□ 3129 ADVANCED PLACEMENT CALCULUS AB

Year/1 credit *Grades 10-12*
Prerequisite: Pre-Calculus with
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 second semester college calculus. Students will be expected to take the AP Calculus AB test in May.

□ 3140 MULTIVARIABLE CALCULUS AND ADVANCED PLACEMENT STATISTICS

Year/1 credit *Grade 12*
Prerequisite: AP Calculus BC
Level: Advanced

A portion of this course will follow the Advanced Placement syllabus in preparation for the AP Statistics test. Topics will include graphical displays, regression, probability models, and inference. Students will be prepared to take the Advanced Placement exam in May. The rest of the course will serve as an introduction to Multivariable Calculus and Differential Equations. Topics will include vectors, partial derivatives, multiple integrals, and first order and second order differential equations. Students will be expected to take the AP Stats test in May.



MATHEMATICS



□ 3110 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

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

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The curriculum framework focuses on the innovative aspects of computing, as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives. Topics include computational thinking practices, connecting computing, creating computational artifacts, abstracting, analyzing problems and artifacts, communicating, collaborating, and creativity.

□ 3149 ENTRY POINT COLLEGE IN THE SCHOOLS: COLLEGE ALGEBRA THROUGH MODELING - PSTL 1006

Year/1 credit (WBLAHS) *Grades 11-12*
3 semester credits (U of M)

Prerequisite: Teacher recommendation, completion of Algebra 2 with a grade of C- or better, academic middle (GPA between the 50th and 80th percentile).

Level: Advanced

This course is a University of Minnesota course that meets a U of M Liberal Education requirement in Mathematical Thinking. Students are introduced 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. Semester grades for this course will be recorded at both institutions.

□ 3150 COLLEGE IN THE SCHOOLS: BASIC AND APPLIED STATISTICS - EPSY 3264

Grades 11-12
Semester/.5 credit (WBLAHS)
3 semester credits (U of M)

Prerequisite: Teacher recommendation, completion of Algebra 3 or Pre-Calculus or completion of Algebra 2 with a grade of B or better.
Level: Advanced

This course meets a University of Minnesota Liberal Education requirement in Mathematical Thinking. The course emphasizes understanding and applying of statistical concepts and procedures. Visual and quantitative methods for analyzing data are presented with a focus on inference. Students will have an understanding of the foundational concepts of data, variation, and inference and an appreciation for the role of statistics in business, economics, law, medicine and other disciplines. The class emphasizes group work, discussions, and technology to deepen understanding. Students are dually enrolled at the University of Minnesota and WBLAHS, a semester grade will be recorded at both institutions. This course is recommended for students not interested in pursuing a career in the math or science fields. If a student is interested in pursuing a post-secondary study in the math, science, technology, or engineering fields, AP Statistics is recommended. CIS Basic and Applied Statistics EPSY 3264 may not qualify as a fourth year of math at some universities.

□ 3139 ADVANCED PLACEMENT CALCULUS BC

Year/1 credit *Grades 11-12*
Prerequisite: AP Calculus AB
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.

□ 3139-H ADVANCED PLACEMENT CALCULUS BC - HYBRID

Year/1 credit *Grades 11-12*
Prerequisite: AP Calculus AB
Level: Advanced

Advanced Placement Calculus BC is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Hybrid courses are typically scheduled first or sixth hour. Success in hybrid courses requires students who are highly motivated, independent learners. See course 3139 for a complete course description (listed above).

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, Choir and Orchestra 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

Tenor-Bass Choir
North Notes
Bel Canto

Additional curricular groups:
Lakeaires
Skippers

Orchestra

Bear Orchestra
Varsity Orchestra
Concert Orchestra

Additional curricular groups:
Chamber Orchestra

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, Orchestra, or AP Music Theory fulfills the Arts requirement for graduation.

GENERAL DESCRIPTION FOR ALL NORTH CAMPUS CHOIRS:

Students will develop vocal techniques, performance skills, and musicianship in a fun, challenging, and rewarding environment. Placement in the choirs will be determined through a voice check in the spring. Ensemble opportunities include Tenor-Bass Choir, Bel Canto, and North Notes. We have additional curricular groups (Lakeaires and Skippers) that meet before school. Students must sing in choir during the school day to participate in these curricular zero hour ensembles.

□ 3300

CHOIR 9/10

Year/1 credit *Grades 9-10*

Prerequisite: Audition with teacher for the auditioned choirs.
Level: General

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 students 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. Enrollment in Band is a prerequisite for Jazz Ensemble participation.

□ 3500

BAND 9/10

Year/1 credit *Grades 9-10*

Prerequisite: Audition and previous experience is necessary.
Level: General

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

□ 3440

MARINERS (CONCERT CHOIR)

Year/1 credit *Grades 11-12*

Prerequisite: Audition
Level: Advanced

Students will develop vocal techniques, performance skills and musicianship to a level that 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

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)

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 chamber choir of about 24 singers will be selected from Choraliers and Mariners. Rehearsal times TBD.



□ 3530 SYMPHONIC BAND

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

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

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

Wind Ensemble is the top-level band at South Campus; students 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.**



GENERAL DESCRIPTION FOR ALL NORTH CAMPUS ORCHESTRAS:

Participation in high school orchestra is fun, challenging and a very rewarding experience. The students will be expected to develop instrumental skills, styles and elements of group performance through orchestra rehearsals, small group instruction and required home practice. Attendance at performances is required. Performance of Class II and Class III High School Contest Literature is a goal. Placement in all orchestras will be determined through the audition process. Orchestra opportunities include Concert Orchestra, Varsity Orchestra and Bear Orchestra. There are also additional curricular groups that meet before school. Students must participate in orchestra during the school day to participate in additional zero hour ensembles.

□ 3700 ORCHESTRA 9/10

Year/1 credit *Grades 9-10*
Prerequisite: Audition and previous experience is necessary.
Level: General

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

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:

.25 credit in Health and .25 credit in PE in Grade 9 (Course #1954 and 3904)

.5 credit in Health, PE or the Arts elective sometime in Grade 9-12

.25 credit in Health and .25 credit in PE in Grade 11 or 12 (Course #1943)

□ 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

ELECTIVE PE

Semester/.5 credit Grades 9-10

Prerequisite: None

Level: General

This class is a more in-depth physical education experience for ninth and tenth graders interested in fitness and fun. The course features 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 Grades 9-12

Prerequisite: None

Level: General

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

□ 3824

YOGA AND FITNESS TRENDS

Semester/.5 credit Grades 9-12

Prerequisite: None

Level: General

Yoga, dance fitness, kickboxing and core are some of the activities offered in this course. Students can experience a club-like workout during the school day. This course will incorporate the components of fitness and nutrition. Students will learn the basic fundamentals of a group exercise class and learn to evaluate their own fitness and wellness program.

□ 3854

TOURNAMENT TEAM SPORTS

Semester/.5 credit Grades 9-12

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.

□ 3924

RACQUET SPORTS

Semester/.5 credit Grades 9-12

Prerequisite: None

Level: General

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

□ 3874

WORLD OF DANCE

Semester/.5 credit Grades 9-12

Prerequisite: None

Level: General

Students explore many different cultures through the world of dance, learning some of the most unique and popular dances. Dance units include line dancing, hip-hop, Latin, folk, decade and modern. 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.**

□ 3920

UNIFIED PHYSICAL EDUCATION EXPERIENCE

Semester/.5 credit Grades 9-12

Prerequisite: None

Level: General

Unified Physical Education provides a unique opportunity to COMBINE students with and without disabilities to come together through educational and physical activities in one class. Through fitness, sports, leadership, and wellness activities, Unified Physical Education Experience classes help students, with varying ability levels and backgrounds, mentor important social relationships. Student mentors will be welcome from North or South Campuses.

□ 3934

RECREATIONAL SPORTS

Semester/.5 credit Grades 9-12

Prerequisite: None

Level: General

Students will take part in these life sports activities: ultimate frisbee, frisbee golf, badminton, archery, 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. Students may also have the opportunity to participate in a field trip experience.

□ 3944

OUTDOOR EDUCATION & RECREATION

Semester/.5 credit Grades 11-12

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 geocaching, archery, fishing, camping, rock climbing and snow activities. Students may also have the opportunity to participate in a field trip experience.



□ 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 - Year

BEARS 1 WEIGHT TRAINING

.5 or 1 credit Grades 9-12

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 - Year

BEARS 2 WEIGHT TRAINING AND LIFETIME SPORTS

.5 or 1 credit Grades 10-12

Prerequisite: Bears 1

Weight Training

Level: General

Bears 2 Weight Training is a co-ed course for advanced 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 Weight 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.

□ 1943-Z

HEALTH AND PHYSICAL EDUCATION FOR YOUR FUTURE - ZERO HOUR

Semester/.25 credit Health Grades 11-12

& .25 credit Physical Education

Prerequisite: None

Level: General

Health and Physical Education for Your Future is offered as a zero hour course. Registration for this course is in addition to a full course load of six credits and should be completed during open registration. Zero hour courses meet prior to the school day and students must provide their own transportation. The health portion of this course is offered as a hybrid. The PE portion meets daily. See course 1943 for a complete course description (listed above).

□ 1943-H

HEALTH AND PHYSICAL EDUCATION FOR YOUR FUTURE - HYBRID

Semester/.25 credit Health Grades 11-12

& .25 credit Physical Education

Prerequisite: None

Level: General

Health and Physical Education for Your Future is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Hybrid courses are typically scheduled first or sixth hour. Success in hybrid courses requires students who are highly motivated, independent learners. See course 1943 for a complete course description (listed at the top of the middle column on this page).

□ 1943-A

HEALTH AND PHYSICAL EDUCATION FOR YOUR FUTURE (ADVISORY EMBEDDED)

Semester/.25 credit Health Grades 11-12

& .25 credit Physical Education

Prerequisite: None

Level: General

Registration for this online course is in addition to a full course load of six credits and should be completed during open registration.

This hybrid course is designed in a flexible format where students will have a mix of face-to-face contacts with their online instructors on the second and fourth Wednesday of each month for 30 minutes during the scheduled academic advising session and complete individual online coursework. Students will be required to complete online assignments and fulfill course expectations. Students who are not progressing at the first mid-term will be scheduled into a second semester traditional #1943 course. Attendance at an orientation meeting will be required for the student and parent preceding the start of the course. Students must have access to a computer and internet on a daily basis outside of the school day. This course will satisfy the South Campus Health and Physical Education requirement for graduation. See course 1943 for a complete course description (listed at the top of the middle column on this page).

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

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 ninth grade, Biology in tenth grade, and either Chemistry or Physics in eleventh grade or twelfth grade. All additional science courses are electives.

Recommended sequences:

Grade 9 - Physical Science

Grade 10 - Biology

Grade 11-12 - Chemistry, Honors Chemistry, Physics, or Honors Physics

Grade 11-12 - Electives, if desired

4013 PHYSICAL SCIENCE

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

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.



4033 BIOLOGY

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

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

Year/1 credit *Grade 10*
Prerequisite: Honors Physical Science 9 or Physical Science teacher recommendation.
Level: Advanced

This highly rigorous, inquiry-based course explores key concepts in life science. The structure of the course requires both strong collaborative and independent work skills. It also seeks to help students develop strong critical thinking skills as they relate to scientific investigation and communication and culminates with an independent research project. Students will be prepared to take the Advanced Placement Biology exam and any future courses in the life sciences.





□ 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

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

In this course, students will learn Biological concepts that are prevalent in and relevant to their everyday lives through studies from molecules of life to human body systems and environmental issues. Students will be afforded the opportunity to discover how the seemingly mundane when looked at through the correct lens can become the open door to answers of how this world works. Topics include cell biology, genetics, human anatomy and ecology.

□ 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 life-long interest in astronomy and the space sciences.

4194

ADVANCED TOPICS IN ASTRONOMY: DISCOVERING THE UNIVERSE

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

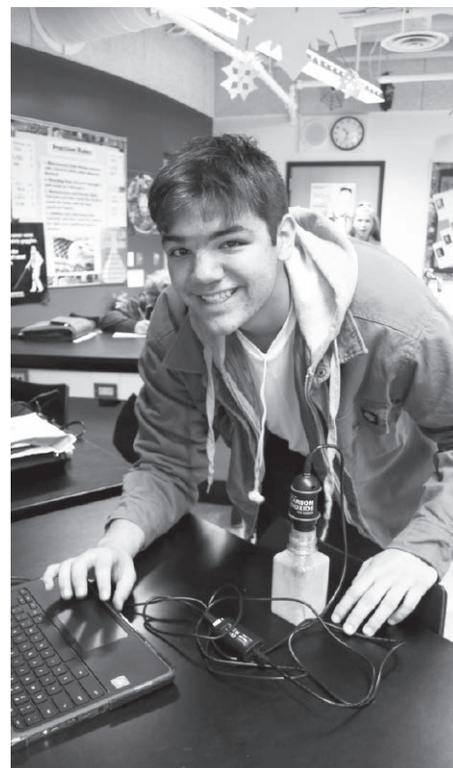
ENVIRONMENTAL SCIENCE AND ECOLOGY

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

Year/1 credit Grades 11-12

Prerequisite: Biology, Chemistry

or currently enrolled in Chemistry.

Level: General

This course, while expanding students knowledge of just how their own body works, is designed to inspire and push students to understand the "whys" of Human Anatomy and Physiology. This class is aimed toward students interested in medical or paramedical careers such as nursing, med tech, physical therapy and public health related fields. We will look at all major divisions and systems of the human body in detail along with comparative anatomy dissections and exercises. **This is a Healthcare Career Pathway course.**



4073 CHEMISTRY

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

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.

4090 ADVANCED PLACEMENT CHEMISTRY WITH BIOCHEMISTRY

Year/1 credit *Grades 11-12*
Prerequisite: Completion
of Honors Chemistry or Chemistry,
and concurrent enrollment in math course
of Pre-Calculus or higher.
Level: Advanced

This second level chemistry course is designed to extend the concepts and skills learned in Honors Chemistry and prepare students to take the AP Chemistry exam. In addition, students will be introduced to the fundamentals of biochemistry through a combined study of organic chemistry and human metabolic processes. The course is designed to serve as a foundation for a major or minor in college-level studies in the sciences of chemistry and biochemistry, chemical and bioengineering and medicine.

4103 PHYSICS

Year/1 credit *Grades 11-12*
Prerequisite: Algebra 2 or
currently enrolled in 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 that will be a benefit in college.

4113 HONORS PHYSICS

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

Year/1 credit *Grades 11-12*
Prerequisite: AP Calculus AB
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.

4045 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

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

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary. It embraces a wide variety of topics from different areas of study. Yet, there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

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)

Geography - 9th Grade:

- Geography
- Advanced Placement Human Geography

American History - 10th Grade:

- American History
- Honors American History: American Experiment
- Advanced Placement United States History

World History - 11th or 12th Grade:

- World History A & B
- Honors World History A & B
- Advanced Placement World History

Economics - 11th or 12th Grade:

- AP Macroeconomics
- AP Microeconomics

American Government - 11th or 12th Grade:

- Economics
- American Government
- CIS: American Democracy in a Changing World – POL 1001

□ 4923

GEOGRAPHY

Semester/.5 credit Grades 9, 11-12*
Prerequisite: None
Level: General

This course will use a thematic approach and focus on regions of the world. Regions will be studied through themes such as population and migration, agriculture, natural resource allocation and management, industry and economic development, political geography, cultural geography, and urbanization. Students will evaluate the decision-making processes for patterns in their environment, assess effectiveness through case studies and observation, and use geospatial technologies.

*This course will be offered to students in eleventh and twelfth grades in odd-numbered years. **This is a required ninth grade course.**

□ 4943

ADVANCED PLACEMENT HUMAN GEOGRAPHY

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

The purpose of Advanced Placement Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. As a college-level course, students should expect a rigorous schedule of reading and writing. Students who complete the course will have the opportunity to take the Advanced Placement exam for college credit.

□ 4323

AMERICAN HISTORY

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

Through collaborative discussion, elaborate inquiry and engaging reading assignments, students gain an applicable understanding of American History from the pre-Columbian through the present date. Students will be exposed to the finer points of American History through textbook readings, primary source documents and independent research. Students will learn to view history through cause and effect, and will be able to apply past events to current situations. **This is a required tenth grade course.**

□ 4333

HONORS AMERICAN HISTORY: AMERICAN EXPERIMENT

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

Prerequisite: Recommendation of ninth grade Language Arts and Social Studies teachers.

Level: Advanced

American Experiment is a combined, Honors-level course for both History and Language Arts. Students will enroll and earn one graduation credit for both Social Studies and Language Arts. The focuses of the American History section of American Experiment are a student-driven in-depth study and analysis of American History from pre-Columbian times through the present date, and how our country is affected by the course of events in our nation's history. Students will also interpret and analyze historical documents, the branches of government, and political ideology throughout American History. Because this is a student-driven Honors-level course, students will be expected to show excellent time management, a high reading ability, and developed essay writing skills. **Special attention will be given to preparation for the MCA Reading test.**

4343

ADVANCED PLACEMENT UNITED STATES HISTORY

Year/1 credit Grade 10

Prerequisite: Recommendation of ninth grade Language Arts and Social Studies teachers, and completion of summer reading component.
Level: Advanced

The Advanced Placement United States History course is for highly motivated and organized students who wish for the opportunity to earn college credit. There is extensive reading from a college textbook and about one hour of homework per night. Critical thinking is embedded into the course, with essay writing being a central component. Students who sign up for the class will develop a deep knowledge of history along with critical thinking, study, essay writing, time management and organizational skills. The course has been developed by the College Board and follows a well-defined and rigorous curriculum starting with the history of America before the European conquest through the Obama Presidency. Students who transition well into the course typically have MAP reading scores in the 240 range. Students who complete the course will have the opportunity to take the Advanced Placement exam for college credit. The national and state passing rate is typically around 50%.

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 through 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 Absolutism 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

Semester/.5 credit Grades 11-12

Prerequisite: None
Level: Advanced

Honors World History surveys North and South American, 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 Age of Exploration. 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

Semester/.5 credit Grades 11-12

Prerequisite: None
Level: Advanced

Honors World History surveys North and South American, 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).

4353

ADVANCED PLACEMENT WORLD HISTORY

Year/1 credit Grades 11-12

Prerequisite: None
Level: Advanced

Advanced Placement World History is a course for highly motivated high school students that wish to have an opportunity to earn college credit in high school. Using historical thinking skills the student will analyze and organize the study of world history using five themes as a frame of reference. The course will cover the social, economic, political, and cultural perspectives of world and human interactions from 8000 B.C.E. to present day. Through reading and writing assignments, as well as class discussions, students are encouraged to craft historical arguments from historical evidence, use chronological reasoning, make comparisons of developments in different regions and time periods, and contextualize important changes and continuities, as well as make historical interpretations and synthesis of both local and global events and societies. Students who complete the course will have the opportunity to take the Advanced Placement exam for college credit.



4469 ADVANCED PLACEMENT EUROPEAN HISTORY

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

Advanced Placement European History is an intensive, year-long college-level elective 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.

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, macroeconomics, personal finance and global economics. 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.

4514-H ECONOMICS - HYBRID

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

Economics is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Hybrid courses are typically scheduled first or sixth hour. Success in hybrid courses requires students to be highly motivated, independent learners. See course 4514 for a complete course description (listed at the bottom of this page in the left column).

4514-Z ECONOMICS - ZERO HOUR HYBRID

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

Economics - Zero Hour is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Success in hybrid courses requires students to be highly motivated, independent learners. Registration for this course is in addition to a full course load of six credits and should be completed during open registration. Zero hour courses meet prior to the school day and students must provide their own transportation. See course 4514 for a complete course description (listed at the bottom of this page in the left column).

4544 ADVANCED PLACEMENT MACROECONOMICS

Semester/.5 credit *Grades 11-12*
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. As a college-level course, students should expect a rigorous schedule of reading and writing. Students who complete the course will have the opportunity to take the Advanced Placement exam for college credit.

4534 ADVANCED PLACEMENT MICROECONOMICS

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

This elective course is designed for the advanced economics student who desires college-level lessons dealing with the theory and application of economic principles. As a college-level course, students should expect a rigorous schedule of reading and writing. Students who complete the course will have the opportunity to take the Advanced Placement exam for college credit.

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. Students will integrate knowledge of current events in the course curriculum.

4434-H AMERICAN GOVERNMENT - HYBRID

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

American Government is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Hybrid courses are typically scheduled first or sixth hour. Success in hybrid courses requires students who are highly motivated, independent learners. See course 4434 for a complete course description (listed above).



□ 4434-Z

AMERICAN GOVERNMENT - ZERO HOUR HYBRID

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

American Government - Zero Hour is offered as a hybrid course, combining traditional classroom instruction with online assignments and activities through Schoology. Classes meet face-to-face approximately 50% of the time and require online learning experiences that students will complete on their own time. Success in hybrid courses requires students who are highly motivated, independent learners. Registration for this course is in addition to a full course load of six credits and should be completed during open registration. Zero hour courses meet prior to the school day and students must provide their own transportation. See course 4434 for a complete course description (on page 45).

□ 4360

COLLEGE IN THE SCHOOLS: AMERICAN DEMOCRACY IN A CHANGING WORLD - POL 1001

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

This college-level course provides an introduction to politics and government in the United States. Topics of study include constitutional origins and development, major government institutions, political parties, interest groups, elections, political participation, and public opinion. Students will come to understand ways of explaining politics and the nature of political science. Recent trends in government will be emphasized. Students enrolled in this *College in the Schools (CIS)* course who successfully complete the requirements will earn high school credit and four semester credits from the University of Minnesota. **This course fulfills the .5 credit district requirement in Government for graduation.**

□ 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. Students will be actively involved with a series of basic CSI Forensic Labs. 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, 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

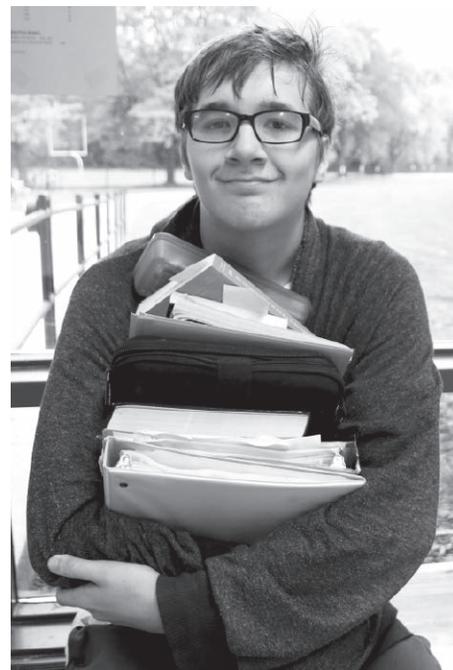
This course begins the study of human behavior and mental processes. Students will focus on human development and survey the major theories and approaches to psychology. Other topics of study include the brain, thought and language, nature vs. nurture, childhood development, and healthy relationships.

□ 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. **Psychology 1 is not a prerequisite needed to enroll in this elective.**



□ 4525

ADVANCED PLACEMENT PSYCHOLOGY

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

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Major subject areas of this course include history, theoretical approaches, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, development, personality, testing and individual differences, abnormal behavior, treatment of psychological disorders, and social behavior. At completion of this course, students will be eligible to take the College Board test and students scoring well on the exam may earn college credit. Since this class delves into the complexity of human beings and their behavior, mature themes such as addiction, mental illness, sexuality and anti-social behavior will surface. Families may want to consider if this content is appropriate for the maturity of their student. **This course is recommended for students interested in Healthcare and/or Education Career Pathways.**



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 9-12*
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 - HIST 1307

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

This elective 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 (CIS)* 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 - HIST 1308

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

This elective college course will provide an overview of American History emphasizing the emergence of modern America. Students enrolled in this *College in the Schools (CIS)* 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. This course will prepare you with critical thinking skills to assist in all of your courses and at university.

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. This class requires active participation and case study analysis. Topics include socialization, cliques and teams, social deviance, social control, social class, the family and institutions.

4520 MODERN WORLD EVENTS

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

This elective course will focus on 20th and 21st century modern history, looking specifically at global conflicts and relationships in our interconnected world. Students will examine modern wars, humanitarian crises, and economic conditions while developing the communication and critical thinking skills necessary to be a successful participant in the global world. As a result of this course, students will be able to make sense of current news events, global trends, and their significance. Students will also collaborate with students from sister schools around the globe.



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:

Lisa Ouren
Director of Student Support
407-7552

Sara Derby
Secondary Special Education
Supervisor, South Campus
773-6062

Nicole Loch
Secondary Special Education
Supervisor, North Campus
407-7557

CENTRAL MIDDLE SCHOOL

Christine Baggord
653-7666

SUNRISE PARK MIDDLE SCHOOL

Stephanie Tollison
653-2712

NORTH CAMPUS

Kathleen Domschot
407-7500 ext. 1080

Gabrielle Heier
407-7500 ext. 1096

SOUTH CAMPUS

Anne Hittesdorf
773-6282



COMMUNICATION/ LANGUAGE ARTS/READING

□ 1725

BASIC READING

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

This course is for special education students whose IEP goals focus on basic reading (decoding and comprehension) and writing skills as they relate to vocabulary development (i.e. multi-syllable words, multiple meaning words), comprehension in different contexts (i.e. chapter books, following directions), sentence/paragraph writing, and journaling. This course is offered pass/no pass.

□ 1524

□ 1525 Elective offered as pass/no pass

READ 180

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

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

This course is for special education students whose IEP goals focus on basic/functional reading skills (decoding and comprehension) as they relate to literacy awareness, sight word recognition, life skills vocabulary, directions, and current events. This course is offered pass/no pass.

MATHEMATICS

□ 3044

BASIC MATH 1

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 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. This course is offered as pass/no pass.

□ 3047

TRANSMATH

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

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 11/12 OVERVIEW

Year/1 credit *Grades 11–12*
Campus: South
Prerequisite: IEP/Case Mngr. approval

This course is designed for eleventh and twelfth grade students. Math 11/12 is a combination of Algebra and Geometry math skills that are designed to prepare students for the ACT test. Students will use their 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, quadratic formula, 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.

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. This class is offered as pass/no pass.

ELECTIVE COURSES



6009

CORE COMMUNICATIONS

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. Development in specific areas of academics, organization, study skills, social skills, and behavior will be addressed based on individual student needs. This class is offered as pass/no pass.

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. This class is offered as pass/no pass.

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 ninth through twelfth 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. This class is offered as pass/no pass.

3921

UNIFIED PHYSICAL EDUCATION

Quarter/.25 credit *Grades 9–12*
Campus: North/South
Prerequisite: IEP/Case Mngr. approval

Unified Physical Education provides a unique opportunity to COMBINE students with and without disabilities to come together through educational and physical activities in one class. Through fitness, sports, leadership, and wellness activities, Unified Physical Education classes help students, with varying ability levels and backgrounds, foster important social relationships. This course will be offered as pass/no pass.



ELECTIVE COURSES

□ 6154

WORK-BASED LEARNING IN THE COMMUNITY

Semester/.5 credit *Grades 11-12*
Campus: 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. This class is offered as pass/no pass.

□ 6156

WORK-BASED LEARNING IN THE SCHOOLS

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

This course offers students learning opportunities related to the beginning stages of employment. Topics covered in this course include work interests, attitudes, career/job exploration, and job seeking skills, such as filling out applications and interviewing. A large portion of this course is dedicated to developing appropriate social behavior skills and understanding expectations on the job to help ensure job retention. An eclectic use of different curriculum tools, books, and videos are used to facilitate learning. This course also provides 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. Work experience opportunities will be tailored to the unique needs of each student and matched to tasks that need to be completed in and around the WBLAHS - South Campus building.

□ 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 SMART Board and other engaging activities. Following sequential routines and individual living skills are focused upon in this class. This class is offered as pass/no pass.

□ 1142

ACADEMIC STRATEGIES

Semester/.5 credit *Grades 9-10*
Campus: North/South
Prerequisite: IEP/Case Mngr. approval

This course offers students who have academic goals on their IEP the opportunity to complete academic requirements with adjustment to pace of instruction. The course addresses individualized needs through differentiated instruction in any academic area.

□ 1152

PREPARE

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

This course assists students in learning behavior management, social skills and problem-solving skills. This course prepares students with coping skills to increase their ability to make appropriate decisions to become college and career ready. Development in specific areas of academics, organization, study skills, social skills, and behavior will be addressed based on individual student needs. This class is offered as pass/no pass.

□ 1712

WORK EXPERIENCE IN THE COMMUNITY

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

Students taking part in Work Experience in the Community will work with their case manager and the work coordinator to be placed in a job opportunity in the community. Students will work with on-site supervisors and program job coaches to learn work-related skills and to strengthen skills taught in the Work-Based Learning courses. Students typically work in two-period blocks during the school day, and both paid and unpaid work experience opportunities are available. Students are expected to meet all job requirements as established by the school district and partner business. Students seeking a paid work experience must complete all necessary employment steps as set forth by the employer. Employment throughout the school year is contingent upon performance reviews completed by on-site supervisors.

□ 1716

TECHNICAL TRAINING

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 work-related and job skills. Students will be exposed to working with a variety of materials and to many different hands-on and social experiences that will help to prepare them for post-secondary life.

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

Woodworking and Construction

Woodworking and an Introduction to the Construction Industry

Introduction to Construction Blueprint Reading, Carpentry, and Hand Tools

Transportation, Automotive or Motor Sports (motorcycles, snowmobiles)

Small Engines and Transportation Systems

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 and Architecture

Manufacturing and Applied Engineering 1

Manufacturing and Applied Engineering 2

Precision Machining 1

Precision Machining 2

Engineering, Technical Design and Building Design

Introduction to Engineering Design

Principles of Engineering

Digital Electronics

Civil Engineering and Architecture

Architectural Design

Visual Communications and Artistic Presentations

Digital Photography

Graphic Arts 1

Graphic Arts 2 with Digital Photography

□ 2163

WOODWORKING AND AN INTRODUCTION TO THE CONSTRUCTION INDUSTRY

Semester/.5 credit Grades 9-12

Prerequisite: Pursuing opportunity for concurrent enrollment.

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 projects that they will take home upon completion. In addition, students explore many dimensions of the commercial, residential, and highway construction industry through interviews with practicing professionals, site tours, and exploratory reflections to illustrate the many opportunities available as a professional in a wide variety of construction-related fields. Students will also experience an introduction to welding using a high tech welding simulator. Articulated credits are available for this course through St. Paul College. **This is a Construction Career Pathway course.**

□ 2173

INTRODUCTION TO CONSTRUCTION BLUEPRINT READING, CARPENTRY, AND HAND TOOLS

Semester/.5 credit Grades 9- 12

Prerequisite: Woodworking and an Intro to the Construction Industry.

Pursuing opportunity for concurrent enrollment.

Level: General

This course covers reading and interpreting blueprints used in the construction industry and provides students with the opportunity to advance their skills in using hand tools and complete a carpentry project. Lines, abbreviations, symbols, parts of the blueprints, specifications and isometric drawings will be included in this class. In addition, students will learn to make drawings and sketches used in construction and learn to use carpentry hand tools. Articulated credits are available for this course through St. Paul College. **This is a Construction Career Pathway course.**

□ 2222

SMALL ENGINES AND TRANSPORTATION SYSTEMS

Semester/.5 credit

Grades 11-12

Prerequisite: None

Level: General

In this course, students will learn about the internal combustion engine designs used in the transportation industry. Focus will be on the components and operation concepts of the 2- and 4-cycle gasoline engine, diesel and alternate fuel vehicles. Laboratory activities will provide students with a hands-on learning experience that will involve disassembling, assembling, and troubleshooting different types of engines, fuel systems and drive trains. They will learn about cars, trucks, trains, airplanes and shipping vessels. They will become acquainted with career opportunities in the transportation and power industries. Upon completion of this course, students will be able to identify energy sources and how the energy is used. This course is highly recommended for students entering engineering, designing, motor sports and auto technology. **This course is part of the emerging Automotive Career Pathway.**

□ 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. Scan 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 troubleshooting, exhaust system repair, and auto body repair. **This course is part of the emerging Automotive Career Pathway.**



□ 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. **This course is part of the emerging Automotive Career Pathway.**

□ 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. **This course is part of the emerging Automotive Career Pathway.**



□ 2343

MOTOR SPORTS TECHNOLOGY

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 processes 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 engines, engine configurations, fuel systems, electrical systems, cooling systems, lubrication, exhaust systems, suspension, tires, tracks and wheels, and brakes. **This course is part of the emerging Automotive Career Pathway.**

□ 2293

ARCHITECTURAL DESIGN

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 make 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 coursework. **This is a Construction Career Pathway course.**

□ 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, a 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. There are some cameras that can be checked out to help complete class assignments. **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

This course is for the graphic designer oriented student. Students will use digital photography combined with Photoshop and Illustrator to create artistic and technical ads that you would see in magazines and other forms of advertising. Students will also study and design packaging projects that are unique and creative. 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. **Successful completion of this course satisfies the state requirement for the Arts.**

□ 2303

GRAPHIC ARTS 2 WITH DIGITAL PHOTOGRAPHY

Semester/.5 credit Grades 11-12
Prerequisite: Graphic Arts 1
Level: General

This course is an introduction to visual communications technology. Students will combine photography with screen 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.**

□ 2345

MANUFACTURING AND APPLIED ENGINEERING 1

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

This course will build a foundation for additional training opportunities in machining, manufacturing and engineering career disciplines. Instructional areas will include accuracy of print reading, use of precision measuring instruments, use of computer-aided design and modeling, and benchwork applications and operations. These technical skills are a necessity for any student who has a desire to enter any engineering or manufacturing career. Students will have the opportunity to complete the OSHA 10 safety credential as part of the coursework. Combine this course with Manufacturing and Applied Engineering 2 in order to gain the skills required for a National Institute for Metalworking Skills (NIMS) Level 1 credential. **This is a Manufacturing Career Pathway course.**

□ 2346

MANUFACTURING AND APPLIED ENGINEERING 2

Semester/.5 credit Grades 9-12
Prerequisite: Manufacturing and Applied Engineering 1.
Level: General

The second in a series of courses designed to build skill sets that will focus on the continual development of students to enter the manufacturing and applied engineering careers. Expanding on the foundation that was developed in Manufacturing and Applied Engineering 1, students will experience applications to benchwork and Computer Numerical Control (CNC) machining. Students will also gain industry experience through career shadow experiences with local White Bear industries. Combine this course with Precision Machining 1 to help develop the essential skills to work towards a National Institute for Metalworking Skills (NIMS) Level 1 credential. Articulated credits are available for this course through St. Paul College. **This is a Manufacturing Career Pathway course.**

□ 2341

PRECISION MACHINING 1

Semester/.5 credit Grade 11-12
Prerequisite: None, but recommendation of Manufacturing and Applied Engineering 2.
Level: General

Precision Machining 1 is a semester course that provides an introduction to Computer Numerical Control (CNC) machining, machining software and related parametric modeling applications. This automation of machine control is an essential element to the success of modern day manufacturing practices. Students will learn CNC applications on industry standard software and machines from manufacturers such as HAAS, Tormach, SolidWorks, Autodesk and Mastercam. Students will have the opportunity to complete the OSHA 10 safety credential as part of the coursework. Combine this course with Precision Machining 2 in order to gain the skills required for a National Institute for Metalworking Skills (NIMS) Level 1 credential. **This is a Manufacturing Career Pathway course.**

□ 2342

PRECISION MACHINING 2

Semester/.5 credit Grade 11-12
Prerequisite: Precision Machining I
Level: Advanced

Precision Machining 2 is the capstone course in the Manufacturing Pathway sequence. This is an advanced level course that continues your experience with Computer Numerical Control (CNC) machining, machining software and related parametric modeling applications. Experiences in this course will provide students with a competitive edge when entering post-secondary opportunities. Students will develop a performance portfolio and complete their work with a career navigator for post-secondary placement opportunities and complete the testing process for the NIMS credential. Articulated credits are available for this course through St. Paul College. **This is a Manufacturing Career Pathway course.**



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, that 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.



2267

DIGITAL ELECTRONICS (PLTW)

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 through the University of Minnesota. Three articulated credits may also be available through Century College or other community colleges in Minnesota. **This course is recommended for students interested in the Manufacturing and/or Construction Career Pathways.**

2264

INTRODUCTION TO ENGINEERING DESIGN (PLTW)

Year/1 credit

Grades 9-12

Prerequisite: None

Level: Advanced

Introduction to Engineering is an introductory course that develops students' 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. Upon meeting the requirements of this course and passing the PLTW exam, students may earn three college credits through the University of Minnesota. Three articulated credits may also be available through Century College or other community colleges in Minnesota. **Successful completion of this course satisfies the state requirement for the Arts. This course is recommended for students interested in the Manufacturing and/or Construction Career Pathways.**

2265

PRINCIPLES OF ENGINEERING (PLTW)

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 through the University of Minnesota. Three articulated credits may also be available through Century College or other community colleges in Minnesota. **This course is recommended for students interested in the Manufacturing and/or Construction Career Pathways.**

2268

CIVIL ENGINEERING AND ARCHITECTURE (PLTW)

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 for the teacher and students to develop the property as a simulation or for 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 teams, 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 through the University of Minnesota. Three articulated credits may also be available through Century College or other community colleges in Minnesota. **This course is recommended for students interested in the Manufacturing and/or Construction Career Pathways.**

The World Language Department offers a sequence of courses in American Sign Language (ASL), French, German, Mandarin Chinese, and Spanish. 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.

If you took:	You can take:
Chinese Beginning & Intermediate (6th-8th grade)	Chinese 1
Chinese Advanced (6th-8th grade)	Chinese 2
Chinese 1 (HS)	Chinese 2
Chinese 2	Chinese 3 or CIS 1011*
Chinese 3	Chinese 4 or CIS 1011*
Chinese 4	CIS 1011*
CIS 1011	CIS 1012
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*
French 4	CIS 1003
CIS 1003	CIS1004*
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
German 4	CIS 1003
CIS 1003	CIS 1004
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*
Spanish 4	CIS 1003 Spanish Conversation and Culture (Semester)
CIS 1003	CIS 1004* Spanish Conversation and Culture (Semester)
ASL 1	ASL 2
ASL 2	ASL 3 or CIS 207*
ASL 3	ASL 4 or CIS 208*
CIS 207	CIS 208*

* = Based on teacher recommendation

□ 5203

CHINESE 1

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 Chinese culture.

□ 5213

CHINESE 2

Year/1 credit Grades 9-12

Prerequisite: Chinese 1 high school course, successful completion of Advanced Chinese at middle school, or teacher recommendation.

Level: General

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

□ 5223

CHINESE 3

Year/1 credit Grades 10-12

Prerequisite: Chinese 2

Level: General

Students will improve their skills in speaking, understanding, reading, and writing Chinese. Students will broaden their cultural awareness of the Chinese-speaking world. Chinese 3 is the appropriate choice for students who want a more comprehensive foundation before taking CIS 1011.

□ 5233

CHINESE 4

Year/1 credit Grades 11-12

Prerequisite: Chinese 3

Level: Advanced

Students will develop greater skill in expressing and understanding oral and written Chinese. Chinese 4 is the appropriate choice for students who want a more comprehensive foundation before taking CIS Chinese 1011, or for students who cannot meet the rigorous demands of CIS Chinese 1011, yet want to continue the advanced study of Chinese.

□ 5247

COLLEGE IN THE SCHOOLS: MODERN CHINESE 1011

Year/1 credit Grades 11-12

Prerequisite: Chinese 3 or teacher recommendation.

Level: Advanced

Students who qualify for this course will have the opportunity to earn six semester credits through the University of Minnesota. By the end of the course, students will be able to write about 270 characters, recognize 400 characters, conduct a basic conversation, read simple texts, and write some sentences in Chinese. Students will also broaden their cultural awareness of the Chinese-speaking world.

□ 5248

COLLEGE IN THE SCHOOLS: MODERN CHINESE 1012

Year/1 credit Grades 11-12

Prerequisite: CIS 1011 or teacher recommendation.

Level: Advanced

Students enrolling in CHN 1012 must be juniors or seniors in high school and have completed CHN 1011 or the equivalent, or have instructor permission, to participate. By the end of the course, students will be able to write around 100 new characters and recognize around 400 new characters. This course will continue to develop listening, speaking, reading, and writing skills with an emphasis on promoting communicative competence and exploring the Chinese culture in the target language.



5003

FRENCH 1

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

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

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

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

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 five 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.

5049

COLLEGE IN THE SCHOOLS: FRENCH 1004

Year/1 credit

Grades 11-12

Prerequisite: CIS 1003

Level: Advanced

Students who qualify for this course will have the opportunity to earn five semester credits through the University of Minnesota. 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. CIS 1004 is designed for students who would benefit from additional time afforded by a year-long course. Students must have successfully completed CIS 1003 to take this course.

5053

GERMAN 1

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

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

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

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.

□ 5096 COLLEGE IN THE SCHOOLS: GERMAN 1003

Year/1 credit *Grades 11-12*
Prerequisite: German 3 or teacher recommendation and a GPA of 3.3.
Level: Advanced

Students who qualify for this course will have the opportunity to earn five semester credits through the University of Minnesota. Content will include culture of Germany, grammar study and extensive proficiency-based activities. This includes writing in German and discussions of German literature. CIS 1003 is designed for students who would like to enroll in CIS German 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.

□ 5098 COLLEGE IN THE SCHOOLS: GERMAN 1004

Year/1 credit *Grades 11-12*
Prerequisite: CIS 1003
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 German-speaking countries, grammar study and extensive proficiency-based activities. This includes writing in German and discussions of German literature. Students must have successfully completed CIS 1003 to take this course.

□ 5103 SPANISH 1

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

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

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

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.

□ 5135 SPANISH CONVERSATION AND CULTURE

Semester/.5 credit *Grades 11-12*
Prerequisite: Spanish 4 or CIS
Level: Advanced

This course is designed for the student wishing to improve their Spanish speaking skills, learn more about the Hispanic world through more in-depth study of art, history, literature, etc. and to continue language study. The topical content will include relevant issues such as art, literature, current events and focus on cultures of Spain, Central America, and South America. The areas of study will vary from semester to semester to meet the needs of students enrolled in the course. Students will experience a variety of speaking activities allowing them to gain confidence in their ability to communicate with others in Spanish. There is no college credit for this class.

□ 5147 COLLEGE IN THE SCHOOLS: SPANISH 1003

Year/1 credit *Grades 11-12*
Prerequisite: Spanish 3 or 4, or teacher recommendation and GPA 3.0.
Level: Advanced

Students who qualify for this course will have the opportunity to earn five 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.

□ 5148 COLLEGE IN THE SCHOOLS: SPANISH 1004

Year/1 credit *Grades 11-12*
Prerequisite: CIS 1003
Level: Advanced

Students who qualify for this course will have the opportunity to earn five 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 and reading literature in Spanish, discussions and debates. CIS 1004 is designed for students who would benefit from additional time afforded by a year-long course. Students must have successfully completed CIS 1003 to take this course.



5152 HERITAGE SPANISH

Semester/.5 credit *Grades 9-12*
Prerequisite: Native or near-native Spanish language skills, or instructor's approval.
Level: Advanced

Heritage Spanish is designed for students who use the Spanish language at home and who wish to improve reading and writing skills in Spanish. The class will be taught in Spanish. Students will connect with their rich and diverse cultural heritage and those of other Spanish-speaking countries. In addition, they will read authentic literature and use it for learning language, building academic communication and critical thinking skills, practice various aspects of writing in Spanish, develop academic language, discuss and write in-depth about topics pertinent to the Spanish-speaking world. Students will also explore the benefits of bilingualism in the professional world. Eligible students will be able to take a proficiency exam in Spanish and may earn a Seal of Biliteracy, which earns them two to three semesters worth of Minnesota State Colleges and Universities college credit in Spanish.

5160 ORIENTATION TO INTERPRETING

Semester/.5 credit *Grades 11-12*
Prerequisite: A grade of C or higher in level 4 or CIS world language, or 2018-19 enrollment in level 4 or CIS world language, or fluency in a home language other than English.
Level: Advanced

This course introduces students to interpreter codes of ethics and standards of practice. It also introduces basic concepts of interpreting and translating, interpreting modes and settings, and interpreting skills. Coursework includes an initial self-assessment, which helps students evaluate their readiness for pursuing further study in interpreting. Pending Century College approval, students could be eligible to earn college credit for this course. **This course is recommended for students interested in the Healthcare Career Pathway.**



5173 AMERICAN SIGN LANGUAGE 1

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

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 American Deaf culture.

5193 AMERICAN SIGN LANGUAGE 3

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 international Deaf culture and literature.

5195 AMERICAN SIGN LANGUAGE 4

Year/1 credit *Grades 11-12*
Prerequisite: ASL 3
Level: Advanced

Students will develop greater skill in expressing and understanding ASL and Deaf culture. ASL 4 is appropriate for students who cannot meet the rigorous demands of CIS 208, yet want to continue the advanced study of ASL.

5197 COLLEGE IN THE SCHOOLS: ADVANCED SIGN LANGUAGE 1 - CDIS 207

Year/1 credit *Grades 11-12*
Prerequisite: High School ASL 1 and 2, Seniors - top 50% of class, 3.0 GPA or 21 on ACT; Juniors - top 33% of class, 3.3 GPA or 24 on ACT.
Level: Advanced

Students who qualify for this course will have the opportunity to earn three semester credits through Minnesota State University Mankato. Content will include information about culture and history of American deaf people, ASL literature, grammar study and extensive proficiency-based activities.

5198 COLLEGE IN THE SCHOOLS: ADVANCED SIGN LANGUAGE 2 - CDIS 208

Year/1 credit *Grades 11-12*
Prerequisite: CIS Advanced Sign Language 1 or High School ASL 3 with teacher recommendation; Seniors - 3.0 GPA or 21 on ACT; Juniors - top 33% of class, 3.3 GPA or 24 on ACT.
Level: Advanced

Students who qualify for this course will have the opportunity to earn three semester credits through Minnesota State University Mankato. Content will include information about culture and history of American deaf people, ASL literature, grammar study and extensive proficiency-based activities.

ADDITIONAL CREDIT OPTIONS

SENIOR WAIVER OPTION

Waiver for Wellness/Arts Credit

In addition to .5 credit requirements each in Physical Education, Health, and the Arts, the District requires students to take an additional .5 credit elective in one of these three disciplines. The District recognizes that it may be difficult for some students to take all of the other courses they wish to take and meet the Wellness/Arts requirement. In this case, the requirement may be waived by submitting a fitness or fine arts plan with prior-approval of the principal or designee. The waiver is not an alternative way to earn credit; it is an exemption from the .5 credit requirement. Waiver criteria is posted on the Counseling Department web page. This option may be exercised Senior year only.

Students may earn up to one additional credit during their junior and/or senior year by accessing additional credit options.

COURSES AVAILABLE DURING THE SCHOOL YEAR

☐ 1943-A

Health and Physical Education for Your Future - Hybrid (advisory embedded)

*.25 credit in Health & Grade 12
.25 credit in PE*

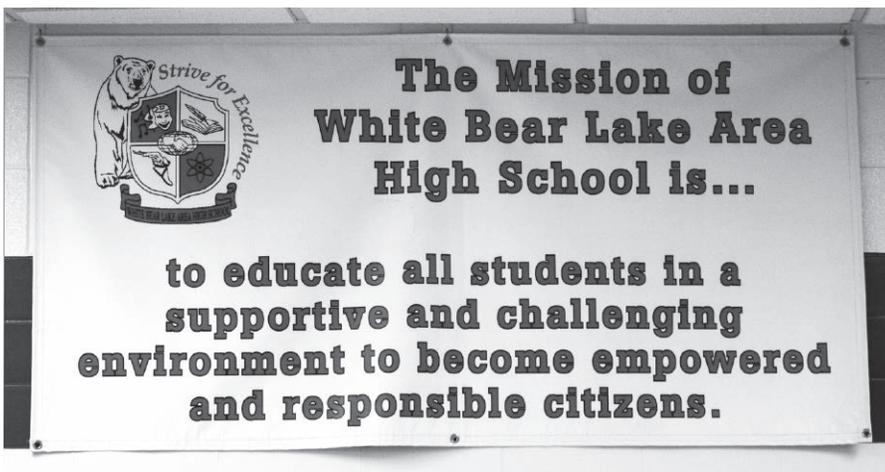
Registration for this online course is in addition to a full course load of six credits and should be completed during online registration.

This hybrid course is designed in a flexible format where students will have a mix of face-to-face contacts with their online instructors on the second and fourth Wednesday of each month for 30 minutes during the scheduled academic advising session and complete individual online coursework. Students will be required to complete online assignments and fulfill course expectations. Students who are not progressing at the first mid-term will be scheduled into a second semester traditional #1943 course. Attendance at an orientation meeting will be required for the student and parent preceding the start of the course. Students must have access to a computer and internet on a daily basis outside of the school day. This course will satisfy the South Campus Health and Physical Education requirement for graduation.



Zero Hour Courses

Zero hour courses are offered to allow students flexibility to access highly valued electives. Zero hour courses are available in American Government (hybrid), Economics (hybrid), College Writing (hybrid), and Health and Physical Education for Your Future (hybrid) and fulfill district requirements. Registration for zero hour is in addition to a full course load of six credits and should be completed during online registration. Course availability is based on enrollment.



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 is available from the student's assigned counselor. After receiving a parent signature, return the form to the Counseling Office. 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 is available for Time Blocks 2 and 3 to and from CTC free of charge. Students enrolled in all time block 1 and satellite programs (construction) must provide their own transportation.

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

Arts, Communications & Information Systems

- Computer Hardware/Software & Game Design
- Design & Digital Media

Business Management & Administration

- Entrepreneurship and Social Media Marketing
- Travel and Tourism

Engineering, Manufacturing & Technology

- Auto Dismantling
- Automotive Technology
- Construction Occupations
- Diesel Trucks and Engine Technology
- Engineering & Manufacturing
- Maintenance and Environmental Services

Exploration & Enrichment

- Mentor Connection (Honors)
- Practical Assessment Exploration System (PAES) Plus
- Youth Apprenticeship/Work-Based Learning

Health Science Technology

- Dental Careers
- Emergency Medical Technician
- Medical Careers

Human Services

- Careers in Education
- Cosmetology
- Law Enforcement/Criminal Justice

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WBLAHS - North Campus



WBLAHS - South Campus



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