

South Washington County Schools

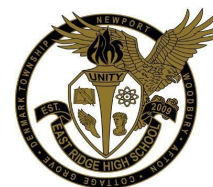
HIGH SCHOOL COURSE GUIDE

2026–2027



EAST RIDGE HIGH SCHOOL

4200 Pioneer Drive
Woodbury, MN 55129
651-425-2300
erhs.sowashco.org



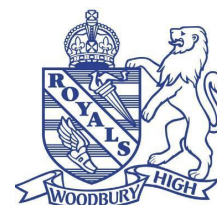
PARK HIGH SCHOOL

8040 80th Street South
Cottage Grove, MN 55016
651-425-3700
phs.sowashco.org



WOODBURY HIGH SCHOOL

2665 Woodlane Drive
Woodbury, MN 55125
651-425-4400
whs.sowashco.org



SOWASHCO ONLINE

8595 Central Park Place
Woodbury, MN 55125
651-425-7303
online.sowashco.org



Dear High School Students and Families,

Our district mission is to educate students for success, and we take that mission very seriously. As a result, each one of our comprehensive high schools is proud to offer a wide range of choices so students can pursue areas of interest while preparing for a smooth and successful transition to postsecondary education or employment.

The process of identifying areas of passion and preparing for life after high school begins with the registration process. Our SoWashCo Schools Course Guide serves as a guide to the many academic programs offered in the South Washington County School District. It is designed to assist you by providing a brief description of each course offered at each district high school. Our intent is to create a comprehensive high school experience that is rigorous, relevant and results oriented as students chart their course toward post-secondary education and employment.

We also want each student in our school district to feel connected to school and to have a successful high school experience. Program planning is a team effort that involves parents, students, and staff. The academic programs provided at each high school are extensive and offer a wide range of opportunities. It is important for you to include teachers and staff in your decision-making process. They will be happy to assist you in your planning. If you are uncertain about the planning resources available to you, please feel free to contact your school counselor.

Please consider the information in this Course Guide carefully. Once registration selections are made by students, the district works to staff each school in order to align staffing availability with course offerings. Students and families should take time to review this document and create a four-year plan that leads to the goal of College and Career Readiness. Making good academic decisions during your time in high school will help you to be successful in the future.

Welcome to the 2026-2027 school year! We look forward to the upcoming

school year and continuing to support the passion that will prepare you for whatever your future brings.

Sincerely,

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Principal

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Introduction

The Course Guide provides information to help you plan coursework for your high school career, and lists the courses/programs approved by SoWashCo Schools. Course descriptions are arranged by department.

- Register for *all* the courses you will take next year. Most core courses (Math, English, Social Studies, Science) are full year courses.
- Read the graduation requirements for your graduating class closely. Consider post high school college and career plans, too. If you plan to attend college, you may need additional coursework, such as World Language and Math, to meet college entrance requirements.
- Use the Course Planning Worksheet to fill in your registration choices.
- Review all course offerings before making your final selections.
- Choose required courses first, and then pick electives that interest you for the remaining slots in your schedule. You *must* provide some alternate elective courses in case we cannot provide your first choice. (We attempt to give you your first choice selections but cannot guarantee your first choice selection will be available.)
- Please choose carefully when making course selections. We determine how many teachers to hire, which courses to offer, and the equipment/supplies to buy based upon the number of students who enroll in each course.

Course Planning

Challenge Yourself!

We encourage all our students to challenge themselves by taking Advanced Placement (AP), College in the Schools (CIS)/Concurrent Enrollment, Project Lead the Way (PLTW) or International Baccalaureate (IB) courses. These classes are more rigorous, but they can teach you skills that will help you succeed in college, and in some cases, you can earn college credit. You should expect a faster pace, more outside reading and more homework time compared to regular classes.

Students well-suited to meet the challenge of these courses typically perform above average, are self-directed, highly motivated, are independent learners, enjoy new ideas and meeting challenges, like analysis, have above average math and problem-solving skills, and demonstrate above-average oral and written abilities.

If you are uncertain, talk to your school counselor and teacher, who can provide you with further information. CIS and concurrent enrollment courses may have additional entrance criteria. Check the course listings for details.



SoWashCo Online

SoWashCo Online: Your High School, Redesigned for Your Life

Lead Your Learning: Path, Pace, and Place

SoWashCo Online is designed to fit your goals, not the other way around. We provide a standards-aligned, flexible, and personalized path for every student.

Feature → Benefit	Why Choose SoWashCo Online?
Personalized Flexibility	Your Pace, Your Schedule: Complete coursework when and where you are most productive. Ideal for students with jobs, competitive sports, arts commitments, or health needs.
Academic Excellence	High Standards, Real Credit: Our curriculum meets rigorous district standards and follows the Quality Matters National Standards for online course quality. Credits are fully recognized for college and career, with most certified by the NCAA.

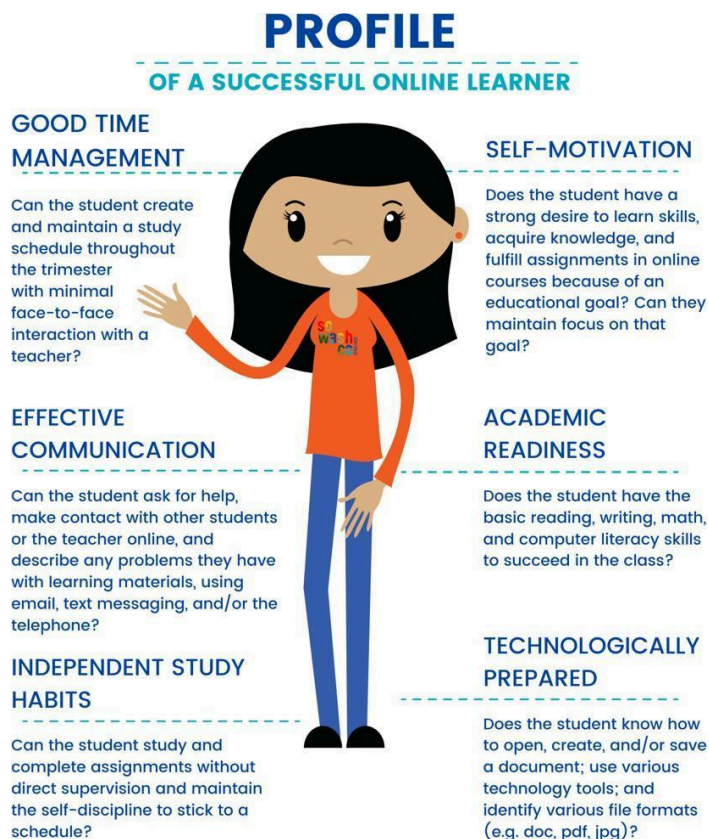
Expansive Course Access	80+ Options: Choose from a diverse catalog including core subjects, Career and Technical Education, and AP/Honors-level offerings.
Engaging Curriculum	Project-Based and Modern: Experience active, engaging lessons including group collaboration, online simulations, and real-world projects that guarantee student voice and choice.
Connected Support	Expert Teachers, One-on-One Help: All courses are taught by experienced SoWashCo teachers who provide regular, personalized support (virtual or in-person).
Community & Connection	More Than Just Classes: Join our extracurriculars, including the SoWashCo Student Council and an E-Sports team, to build community outside of academics.
Enrollment Options	Flexible Fit: Enroll in full-time, part-time, or singular classes to meet your exact needs.

Ready to Enroll?

Look for the SoWashCo Online logo and blue course codes throughout this guide.

- New to SoWashCo? Visit our website for enrollment steps: online.sowashco.org > Enroll > How to Enroll.
- Current Student? Register through your home school's online registration system.

Profile of a Successful SoWashCo Student



Postsecondary Enrollment Options (PSEO)

Postsecondary Enrollment Options (PSEO) is a program that allows 10th-, 11th- and 12th-grade students to earn both high school and college credit while still in high school, through enrollment in and successful completion of college nonsectarian courses at eligible participating postsecondary institutions. Most PSEO courses are offered on the campus of the postsecondary institution; some courses are offered online. Each participating college or university sets its own admissions requirements for enrollment into the PSEO courses. Students in grades 11 and 12 may take PSEO courses on a full- or part-time basis; 10th graders are eligible to enroll in PSEO

on a more limited basis (see note below). Students must meet the PSEO residency and eligibility requirements and abide by participation limits specified in Minnesota Statutes, section 124D.09. If a school district determines a pupil is not on track to graduate, she/he may continue to participate in PSEO on a term-by-term basis. To assist the district in planning, a student must inform the district by May 30 (for semester 1) or October 30 (for semester 2) of their intent to enroll in postsecondary courses during the upcoming school year.

There is no charge to PSEO students for tuition, books or fees for items that are required to participate in a course; however, students may incur fees for equipment that becomes their property when the course or program is completed, textbooks that are not returned to the postsecondary institution according to their policies, or for tuition costs if they do not notify the district by May 30 (for semester 1) or October 30 (for semester 2) and the district does not waive this date requirement. Funds are available to help pay transportation expenses for qualifying students to participate in PSEO courses on college campuses. For more information on these funds, access the PSEO Mileage Reimbursement Program Instructions. Students enrolled in PSEO have access to the building, computers and/or other technology resources during regular school hours to participate in PSEO courses, whether on-line or on campus.

Enrolling in a PSEO course does not prohibit a student from participating in activities sponsored by their home high school. All courses taken through the PSEO program must meet graduation requirements. PSEO grades are not weighted (Policy 620 Credit for Learning). Credits earned in PSEO will appear on transcripts by a ratio prescribed in statute. The district has the authority to decide which subject area and standards the PSEO course meets. If there is a dispute between the district and the student regarding the number of credits granted for a particular course, the student may appeal the board's decision to the commissioner. The commissioner's decision regarding the number of credits will be final.

Postsecondary institutions are required to allow PSEO students to enroll in online courses consistent with the institution's policy regarding postsecondary student enrollment in online courses.

Students in grade 10 may initially enroll in one Career and Technical

Education (CTE) PSEO course if they receive a reading proficiency score of “meets” or “exceeds” on the 8th grade MCA. If 10th graders taking a CTE PSEO course earn at least a grade C in that class, they may take additional CTE PSEO courses. If the student did not take the MCA in 8th grade, another reading assessment accepted by the enrolling postsecondary institution can be substituted. For students with identified disabilities, there is an alternative option to demonstrate reading proficiency.

Course Planning Instructions

Things to consider when completing the course planning worksheet:

1. Fill in the high school courses you will have completed by the end of the current school year.
2. Read the Graduation Requirements chart (below) to determine courses you still need to take.
3. Consider courses needed for college and career readiness goals.
4. Review the course descriptions, prerequisites and grade level restrictions.
5. List the courses you want to take next year on your course registration worksheet.
6. List alternate courses (electives) in case your first-choice electives aren't available.

How many credits do I need to graduate?

You need **66 credits** in grades 9–12 to graduate. Successful completion of a trimester course earns one credit. Courses that are yearlong earn three credits: one credit per trimester.

Graduation Requirements

See Course Planning Worksheet for specific required courses

Subject	Credits Needed
English	12
Social Studies (including 1 credit of U. S. Government and Politics and 1 credit of Economics)	10
Math (through Algebra II)	9
Science (Earth and Space Science; Biology; and Chemistry and/or Physics)	9
Fine Arts (see chart below)	2
Health	1
General Physical Education	1
Personal Finance *must be taken by Class of 2028 and beyond	1
Electives	21
Total credits to graduate	66

Fine Arts Requirement

All students must earn **two Fine Arts credits** between grades 9–12 to **graduate**. The courses below meet this state requirement:

MUSIC/PERFORMING ARTS	VISUAL ARTS
Band, Intermediate Band, Advanced Band	Drawing A, Drawing B
Orchestra, Intermediate Orchestra, Advanced Orchestra	Painting A, Painting B
Bass Clef Choir, Treble Choir, Advanced Treble Choir, Intermediate Mixed Choir, Advanced Mixed Choir	Ceramics A, Ceramics B, Ceramics C

WGT IB Music Standard Level (SL)	Fine Art Photography A, Fine Art Photography B, Fine Art Photography C
	Graphic Design A, Graphic Design B
Writing Your Own Music	Sculpture
WGT AP Music Theory*	
BUSINESS/TRADE and INDUSTRY	
Website Design	AP Art and Design
Advanced Website Design	IB Visual Arts
Web Graphics and Animation 1	
FAMILY AND CONSUMER SCIENCE	OTHER ARTS COURSES - Unified Art - AP Art History* - Art and Artists of Asia - Art and Artists of Africa - Indigenous Art of the Americas *One trimester equals one fine art credit
Housing and Interior Design	
Fashion Design	
THEATRE	
Advanced Acting and Directing	
Creative Dramatics and Acting	
- WGT IB Theatre SL (A, B, C) *1 trimester, 1 credit *can take one or all trimesters	

Course Planning Worksheet

9th GRADE			
Period	Trimester One	Trimester Two	Trimester Three
1	English 9/Honors English 9	English 9/Honors English 9	English 9/Honors English 9

2	Math	Math	Math
3	Earth and Space Science/ Honors Earth and Space Science	Earth and Space Science/ Honors Earth and Space Science	Earth and Space Science/ Honors Earth and Space Science
4	Human Geography A/ AP Human Geography	Human Geography B/ AP Human Geography	Elective/ AP Human Geography
5	General Physical Education (Can also be taken in grades 10-12)	Elective	Elective
6	Elective	Elective	Elective

Please Note: 2 Fine Arts Credits are required for graduation and can be taken in any grade (1 trimester = 1 fine arts credit)

10th GRADE			
Period	Trimester One	Trimester Two	Trimester Three
1	English 10/Honors English 10	English 10/Honors English 10	English 10/Honors English 10
2	Math	Math	Math
3	Biology	Biology	Biology
4	World History/AP World History	World History/AP World History	World History/AP World History
5	Elective	Elective	Elective
6	Elective	Elective	Elective

11th GRADE			
Period	Trimester One	Trimester Two	Trimester Three
1	English 11/AP English Language and Composition/IB English	English 11/AP English Language and Composition/IB English	English 11/AP English Language and Composition/IB English
2	Math	Math	Math
3	Science	Science	Science
4	U.S. History/AP U.S. History/ IB History	U.S. History/AP U.S. History/ IB History	U.S. History/AP U.S. History/ IB History
5	Economics/AP Economics (or take in Grade 12)	Personal Finance (or take in Grade 12)	Elective

6	Elective	Elective	Elective
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12th GRADE			
Period	Trimester One	Trimester Two	Trimester Three
1	English 12/AP Literature and Composition/IB English/ CIS University Writing	English 12/AP Literature and Composition/IB English/ CIS University Writing	English 12/AP Literature and Composition/IB English/ CIS University Writing
2	U.S. Government CIS Political Science AP U.S. Government IB History	Economics/AP Economics (if not taken in grade 11) CIS Political Science AP U.S. Government IB History	Elective Economics/AP Economics (if not taken in grade 11) AP U.S. Government IB History
3	Personal Finance (if not taken in Grade 11)	Elective	Elective
4	Elective	Elective	Elective
5	Elective	Elective	Elective
6	Elective	Elective	Elective

* Science must include 3 credits of Earth and Space Science, 3 credits of Biology, and 3 credits of Chemistry or Physics. Please see your school counselor for more information.

Embedded Health is offered at ERHS, PHS , WHS for grades 9-12

Academic Options and Supports

Options	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 3 or higher for possible college credit - Requires above average reading, writing, 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 the AVID criteria. • Students must have a desire to be in AVID. • Students will complete a screening process.
Century College Articulation Program	• Business, FACS, Technology Ed. courses designed with Century College	• May earn college credit through Century College • Gain experience and knowledge for potential job/career	• Verify that credits will transfer to college of choice • Provide articulated credit certificate to accepting colleges during registration
CIS College in the Schools	• College curriculum (U of M) • More rigorous coursework • Taught in high school • Offered to juniors/seniors	• May earn college credit • Experience the pace, academic standards and personal responsibility required for success in college	• Recommended for academically strong students • Must earn C or better for college credit • Available at ERHS, WHS and PHS

CE Concurrent Enrollment	- College curriculum (Minnesota State Mankato, Bemidji State) - More rigorous coursework - Taught in high school - Offered to juniors/seniors	- May earn college credit - Experience the pace, academic standards and personal responsibility required for success in college	- Recommended for academically strong students - Must earn C or better for college credit - Check availability at your school
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.com

Options	Explanation	Advantages	Considerations
Credit By Assessment	- Gain credit on a performance-based assessment - Test represents content included in subject coursework	- Tests knowledge student already possesses - Successful test-out gives student more schedule options	- Must pass test with B or better - Cannot test out of a course currently enrolled in or previously taken - Apply through Counseling Office
EL English Language Services	- English Language development program - Using content to develop speaking, listening, reading and writing skills for non-English proficient or English Learners (ELs)	- Multilingualism is an asset - Interpreters and translation services for families' home language - Language-rich school	- To receive services, students must be evaluated to determine their eligibility and need - Students are evaluated based on the Home Language Questionnaire

		learning environments Bilingual SEALS opportunity	
Great Rivers	- High School Diploma Service - Offered to students 17+ not enrolled in any other school - GED Programming - English Language Skills - Transitions support	May earn high school diploma, GED, career and college preparation, English Language Skills	- Independent learner - In-class attendance required - Pass/No Pass grading
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 standard course offerings	- Recommended for highly motivated, academically strong students - Requires approval of supervising teacher
IB International Baccalaureate 	- Recognized internationally - College-level courses, more rigorous coursework - May complete IB Diploma - Writing/application focus	- IB Diploma provides access to leading universities - Weighted grading - May earn college credit	- Offered at Park High School only - Must take IB test and get a score of 4 or higher for possible college credit
Northeast Metro 916 Intermediate School District 916	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 program	- Application required - Get brochure from Counseling Office

Options	Explanation	Advantages	Considerations
PSEO Post-Secondary Enrollment Options	• MN 10th, 11th, 12th graders can enroll at participating colleges with tuition, books, fees paid by the state of Minnesota • Career and Technical Education Course for sophomores • Earn credit towards graduation	• Earn college credit at any college where PSEO coursework is accepted • PSEO credits may transfer	• Must provide own transportation • Discuss option with your school counselor
Project Lead the Way Biomedical & Engineering 	• College-level course taught in high school • Requires above average reading, writing, math skills • Offered through Project Lead the Way	• May earn college credit at St. Cloud State University • Challenges students • Weighted grading	• Must take Project Lead the Way test and get a score of 80% or higher for possible college credit • \$100 fee for 3 credits • Offered at ERHS and WHS only
Special Education	• Specially designed instruction and services to meet students' needs • Students with hearing, vision, speech, physical, mobility, behavior or other learning disabilities may qualify	• Students who qualify will have an Individual Education Plan (IEP) developed that specifies their individual goals and accommodations/modifications	• To receive services, students must be evaluated to determine their eligibility and need based on the criteria for having a disability as determined by the Minnesota Department of Education

Summer Options	• Courses offered during the summer to provide additional learning opportunities	• Classroom and experiential hours • Blocked classes	• Open to all students for designated courses only
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Grades

Incompletes

Students must fulfill all the requirements of each course before a grade will be issued. Students who have been ill/ absent for an excused reason and are issued an incomplete must make up the incomplete work within the timeline established by the classroom teacher (normally, two weeks after grades are posted). No credit will be awarded until the incomplete is made up and a letter grade is issued. The "I" has a mark value of (0.0). It counts as an attempted credit in determining the student's GPA.

Course Failures

Course failure defined: The student has not achieved the expected level of competence in the course outcomes, concept development or skill attainment. Further, it is the assessment of the classroom instructor that the student's continuous academic progress is best served by the student repeating the course. The "F" has a value of (0.0) in the district's grading system. It counts as an attempted credit in determining the student's GPA.

Pass/No Credit Program

Students may request to take an elective course for Pass/ No Credit by filling out the appropriate form. Only two elective classes can be taken under this program per trimester, per year. Once the decision has been made, the student is to:

- A. Pick up a pass/no credit form in the school counseling office and return it to their school counselor.

- B. We recommend that you consult with your school counselor regarding how a P/N grade may impact admission and/or GPA calculation.
- C. All grading during the trimester will remain the same; only the final grade will differ.
- D. Please note: NCAA (potential Division 1 or Division 2 athletes) will recalculate a P to a D when determining eligibility.
- E. Students returning from out-of- district placements, or with special circumstances, may be granted extended pass/no credit options.
- F. Deadlines – decision to apply for this option should be submitted *within 30 school days of each trimester*.



For more information about Pass/No Pass credit options, please see your school counselor.

Weighted Grading

Students taking classes in Advanced Placement (AP), International Baccalaureate (IB), Project Lead the Way (PLTW), have weighted grades using a 1.2 multiplier. Look for weighted courses in this guide with "WGT" in the course title.

Grading System GPA Calculation

Use the following conversion scale to calculate your GPA:

Grade	Unweighted GPA Value	Weighted GPA Value
A	4.0	4.8
A-	3.667	4.4004
B+	3.333	3.9996
B	3.0	3.6
B-	2.667	3.2004
C+	2.333	2.7996
C	2.0	2.4
C-	1.667	2.0004
D+	1.333	1.5596
D	1.0	1.2
D-	.667	.8004
F	0.0	0.0

Final grades are posted into Infinite Campus at the end of each trimester. We encourage parents and students to monitor grades by using Parent Portal and Schoology.

Career and College Readiness

Career and College Readiness (CCR)

SoWashCo believes “career and college ready” means a student has the knowledge, skills, and competencies to successfully pursue a degree, diploma, certificate, or industry-recognized credential and employment. Students who are career and college ready are able to successfully complete

post-secondary credit-bearing coursework without need for remediation or developmental coursework.

Xello

Xello is an electronic career and college readiness portfolio. Each student has their own portfolio that follows them through high school. Students will use this to learn about themselves, research careers, research colleges, search for scholarships, and more. Students will go to their [Classlink account](#) and click on the Xello Icon to sign-in.

Transcript Requests through Parchment

South Washington County Schools (SoWashCo Schools) uses Parchment for all transcripts. Many colleges prefer the official electronic transcript, allowing students and alumni to order and track that the college or organization has received their transcript. Transcripts can also be sent to other outside organizations. Please refer to the district website under "Transcripts".

NCAA Eligibility Requirements

If you plan to compete in athletics at the college level, you are responsible for determining if you are on track to meet the NCAA Eligibility Requirements and NCAA Core-Course Requirements.

NCAA would like all prospective student athletes to register online at www.eligibilitycenter.org



On this site, you may also view the complete NCAA guide, Eligibility Requirements and a list of all our high school courses that fulfill NCAA's Core-Course Requirements online.

Post High School Planning

Use this guide as a general planning tool when registering for classes so you are prepared for your post high school education. Check the admission requirements of every school to which you apply. NOTE: Some east or west coast four-year schools prefer the SAT to the ACT. The chart below lists the minimum requirements according to the latest information available; many

colleges require further studies for admission. Research your schools of interest so you are best prepared for the application process!

Type of School	Schools or Branches	Description	General Admission Requirements *Minimum requirements listed	College Entrance Exam
Community Colleges, Technical, Colleges and Trade Schools	Many throughout Minnesota. Some examples are: Century College, Dunwoody College of Technology, Inver Hills Community College, Aveda Institute, St. Paul College	These colleges are often referred to 2-year schools. Students can work toward a 1-2 year degree/ certification program directly related to an occupation they can enter upon graduation. Other students take general courses in order to transfer to a 4-year school	Generally referred to as “open” admission, which means a high school diploma or a GED certificate	Check with specific program of choice. May include ACCUPLACER
Minnesota State Colleges and Universities	Many throughout the state of MN. Some examples are: Bemidji, Metropolitan, Mankato, Moorhead, St. Cloud, Southwest, Winona	These colleges are often referred to 4-year schools. They have specific admission requirements that go beyond high school graduation requirements. Your high school GPA, letters of	English: 4 years Social Studies: at least 3 years Science: at least 3 years Math: at least 3 years World Language: at least 2 years Fine Arts: at least 1 year	ACT or SAT – check with college or university regarding test-optional admissions process Recommend students test in spring of Junior year

		recommendation, test scores and school/community involvement are used for admission		
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Type of School	Schools or Branches	Description	General Admission Requirements *Minimum listed	College Entrance Exam
University of Minnesota	Twin Cities (main campus), Morris, Duluth, Rochester and Crookston *Twin Cities Campus: Requires Physics and a 4th year of math for some programs	The University of Minnesota is a system of 4-year schools. They have specific admission requirements which go beyond high school graduation requirements. Refer to the college's admissions website for requirements.	English: 4 years Social Studies: at least 3 years Science: at least 3 years Math: 4 years World Language: at least 2 years Fine Arts: at least 1 year	ACT or SAT – test optional through spring 2025 Recommend students test spring of Junior year
University of Wisconsin	Eau Claire, Green Bay, La Crosse, Madison, Milwaukee, Oshkosh, Parkside, Platteville, River Falls, Stevens Point, Stout, Superior, Whitewater	The University of Wisconsin is a system of 4-year schools. They have specific admission requirements which go beyond high school graduation requirements. Refer to the college's admissions website for requirements.	English: 4 years Social Studies: at least 3 years Science: at least 3 years Math: at least 3 years World Language: at least 2 years—not required at all branches Fine Arts: at least 1 year	ACT or SAT – test optional through spring 2025 Recommend students test spring of Junior year

Private Colleges and Universities	Many throughout Minnesota, including: Augsburg, Bethel, College of St. Benedict, Concordia, Gustavus, Hamline, Macalester, St. John's, St. Olaf, St. Thomas	These private colleges and universities are 4-year schools. They have specific admission requirements which go beyond high school grad requirements. Refer to the college's admissions website for requirements.	English: 4 years Social Studies: at least 3 years Science: at least 3 years Math: at least 3 years World Language: at least 2 years Fine Arts: at least 1 year	ACT or SAT – check with individual universities on test- optional admissions process Recommend students test spring of Junior year
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Direct Admissions

South Washington County School High Schools participate in [Direct Admissions](#), a state program that simplifies the college application process for Minnesota High School seniors on track to graduate on time. There are over 50 Minnesota colleges and universities that are participating this year in Direct Admissions. High school seniors who qualify will be automatically enrolled into the Direct Admissions Program. The qualifying seniors will receive notification through Infinite Campus of the participating Minnesota colleges and universities that are offering them admission and waiving the admissions fee.

Aerospace (AFJROTC)

The mission of AFJROTC is to develop better American citizens. Our focus is on aeronautics and leadership, and we encourage school and community service. The wellness program is an exercise program to help develop individualized training programs for cadets to lead a healthy lifestyle. Uniform wear is required as a minimum one day a month and students are provided uniforms at no cost. All first-year cadets have the choice to opt out of wearing the JROTC uniform.

The curriculum runs on a 4-year rotational basis. A student taking JROTC will never have the same class during their high school career. The curriculum consists of:

- A Journey Into Aviation History and Traditions, Wellness, and Foundations of Citizenship
 - 3 trimesters, 3 credits
Recommended: None
Available at: Woodbury High School
 - Course codes: ARS005, ARS006, ARS007
- Global and Cultural Studies and Principles of Management
 - 3 trimesters, 3 credits
Recommended: None
Available at: Woodbury High School
 - Course codes: ARS014, ARS015, ARS016
- Science of Flight and Communication, Awareness, and Leadership
 - 3 trimesters, 3 credits
Recommended: None
Available at: Woodbury High School
 - Course codes: ARS011, ARS012, ARS013
- Exploration of Space and Life Skills and Career Opportunities
 - 3 trimesters, 3 credits
Recommended: None
Available at: Woodbury High School
 - Course code: ARS008, ARS009, ARS010

AFJROTC members may choose to participate in Cadet Corps functions that are extracurricular school and community service activities. These activities provide a memorable way to enhance our program. AFJROTC enrollment **DOES NOT** require you to enlist in the military after graduation. But should you choose to enlist, you may accrue enlistment benefits and receive college credit.

Students may register for any or all trimesters in any order and receive 1 credit per completed trimester. There are no registration prerequisites for AFJROTC courses.

A Zero Hour option is available. This class meets at WHS starting at 7:30AM. Please contact your school counselor if interested.

Survive & Return: Summer Academy

1 trimester, 1 credit Recommended: None

Available at: Woodbury High School (summer course) Course code: SS0002

This course is offered in August at Woodbury High School as part of their summer school offerings but is open to all students in the district. It is taught by JROTC instructors from Woodbury High School with input from various military survival experts and instructors. It contains a review of the basic survival information found in military Survival Training courses with extensive practical hands-on instruction.

Advancement Via Individual Determination (AVID)

AVID prepares students for college and future success in a global society. How? By helping students build skills they need to succeed in school and beyond. Students enroll in rigorous classes, such as Honors, Advanced Placement or College in the Schools, International Baccalaureate and in the AVID elective. For one period a day, students learn skills, such as:

- How to organize schoolwork and study
- How to think critically and ask probing questions
- How to get academic help from peers (and college tutors)
- How to work effectively with teachers
- Students seeking to participate must participate in a screening/interview process to determine eligibility

AVID students participate in activities to enrich their learning, motivate them and make college seem possible. They gain an improved self-image and become academic leaders who are prepared for college. All students can benefit from AVID, but its target is the least served students in the academic middle. Learn more from your school counselor or by visiting www.avid.org.

Advancement Via Individual Determination (AVID)

3 trimesters, 3 credit

Prerequisite: Instructor

Approval Course Codes:

9th Grade	10th Grade	11th Grade	12th Grade
EL0010	EL0013	EL0016	EL0019
EL0011	EL0014	EL0017	EL0020
EL0012	EL0015	EL0018	EL0021

Art

Drawing A

1 trimester, 1 credit

Recommended: None

Course code: AR0007

This is an introductory course that will explore a range of drawing media and topics. You will learn the basics of shading, experiment with different styles, and learn how to work with materials including graphite, colored pencil, ink, pastel, and more! Drawing A will give you a solid foundation to build your artistic skills.

Online Drawing A

1 trimester, 1 credit

Recommended: None

Course code: OLAR07



Anyone can learn to draw! This course will help students become comfortable with a variety of drawing materials and techniques by exploring drawing styles and materials used by several different artists. Expect to see skills and finished drawings improve.

Drawing B

1 trimester, 1 credit

Recommended: Drawing A

Course code: AR0008

Looking to broaden your Drawing abilities and create more polished work? This course will build on your knowledge from Drawing A and allow you to find your artistic voice. You will explore a range of subjects, art styles, and materials, with emphasis on composition, independence, and more complex project concepts.

Online Drawing B

1 trimester, 1 credit

Recommended: Drawing A

Course code: OLAR08



Create work that is more imaginative! Improve your drawing skills for more realistic and expressive representations of people, animals, still life or landscapes. Learn additional techniques to advance the skills gained in Drawing A.

Painting A

1 trimester, 1 credit

Recommended: None Course code: AR0012

You don't need previous painting experience for this class. Acquire historical techniques to paint realistically and expressively. Understand color, composition and expression by

experimenting with various methods of painting. You will work with acrylic, mixed media and watercolor—all while painting realistic, impressionistic and abstract ideas.

Painting B

1 trimester, 1 credit Recommended:

Painting A

Course code: AR0013

Develop your own personal style of painting and experiment with new techniques. Continue your work with acrylics, watercolors and mixed media. Explore a variety of advanced techniques and surface treatments. Painting B emphasizes creating more personal and imaginative work.

Ceramics A

1 trimester, 1 credit

Recommended: None

Course code: AR0016

Use clay to design and create original and functional ceramic pots and sculpture. Learn a variety of hand-built techniques as well as learn how to throw on the potter's wheel! We'll introduce you to a variety of decorating, glazing, and finishing techniques to make works of art to use and enjoy every day.



Ceramics B

1 trimester, 1 credit

Recommended: Ceramics A

Course code: AR0017

Enhance the skills you learned in Ceramics A. Gain advanced decorating and firing techniques to make your work more sophisticated and unique. You will have the flexibility to make each assignment on the potter's wheel or by hand-building. Learn new glazing and firing techniques, including raku firing. Discover local and national potters who are making a name for themselves in the ceramics world.

Ceramics C

1 trimester, 1 credit

Recommended: Ceramics B

Course code: AR0019

Want the additional challenge of creating larger and more interesting hand-built or wheel-thrown projects? Students in Ceramics C will get to choose from a list of potential projects and will explore unique firing techniques such as saggar, raku and crystalline firing using stoneware, porcelain and raku clays. Exploring the historical and multicultural aspects of ceramics will also be covered.

Sculpture

1 trimester, 1 credit

Recommended: None

Course code: AR0022

Learn how to communicate three-dimensionally! We will creatively use a variety of materials that can be formed, molded, carved or cast into creations both realistic and abstract. Learn both additive and subtractive methods of sculpting using clay, plaster, wire, foam and found objects, and how to incorporate meaning and symbolism into 3D artwork.

World Crafts

1 trimester, 1 credit

Recommended: None

Course code: AR0021

Discover creative and functional art forms from various world cultures. Students will have the opportunity to explore crafts in a variety of media, such as fiber, clay, paper, plaster, or other materials.

Fine Art Photography A

1 trimester, 1 credit

Recommended: None

Course code: AR0041

In this course, students will develop both technical and creative skills - ranging from camera operation (aperture, shutter speed, ISO), composition, lighting - to working on iMac computers for editing, retouching, and digital art. In this course you will have access to professional camera and studio equipment (DSLR and mirrorless cameras, studio lighting and flashes, and backdrops), and editing software (Adobe Photoshop, and Adobe Lightroom).

Online Fine Art Photography A

1 trimester, 1 credit

Recommended: None

Course code: OLAR41



Learn the basics of digital photography and use these skills to create quality images with visual impact. Become familiar with the elements and principles of design with an emphasis on good composition. Gain a brief history of photography and its influential photographers. Learn how to use Photoshop to enhance and manipulate your photographic work. Create photographs that will be suitable for photography-related careers, or for your IB or AP 2D Portfolios.

Fine Art Photography B

1 trimester, 1 credit

Recommended: Fine Art Photography A

Course code: AR0038

Building on the experience of Fine Art Photography A, students will develop both technical and creative skills – ranging from camera operation (aperture, shutter speed, ISO), composition, lighting – to working on iMac computers for editing, retouching, and digital art. In this course you will have access to professional camera and studio equipment (DSLR and mirrorless cameras, studio lighting and flashes, and backdrops), and editing software (Adobe Photoshop, and Adobe Lightroom).

Online Fine Art Photography B

1 trimester, 1 credit

Recommended: Fine Art Photography A

Course code: OLAR38



This course will encourage students to advance their digital photography skills by investigating alternative printing techniques, exploring advanced Photoshop techniques, and creating relevant artwork. While the elements of art and principles of design continue to be important, emphasis will be placed on student exploration of theme, creativity, and artistic voice. Students will create a body of photographic work that demonstrates their artistic growth and expression of ideas and will have the opportunity to use DSLR cameras with interchangeable lenses.

Online Fine Art Photography C

1 trimester, 1 credit

Recommended: Fine Art Photography A and B

Course code: OLAR47



Online Fine Art Photography C builds upon the foundational skills acquired in Photography A and B. This course delves deeper into advanced techniques, emphasizing creativity, and artistic expression. Students will explore experiments with advanced photo editing techniques, and develop a cohesive body of work that reflects their unique artistic voice. Through a combination of online lectures, assignments, and discussions, students will refine their skills and gain a comprehensive understanding of contemporary photography.

Online WGT AP Art History

3 trimesters, 3 credits

Recommended: Course for grades 11 and 12

Course codes: OLAP68, OLAP69, OLAP70



AP Art History is an introduction to major works of art and the concepts needed to understand them. AP Art History is designed as an art history survey course. This course would meet guidelines outlined in the College Board's AP Art History Course and prepare students for the AP Art History exam. This course would develop an understanding of art from a global perspective, build an understanding of the place of art within broader historical, cultural, religious, and political frameworks. The functions and effects of art are the main focus of this course.

Online Art and Artists of Asia

1 trimester, 1 credit

Recommended: None

Course code: OLAR43



This course is an exploration of the rich and diverse world of Asian art. Students will understand the major regions and their unique contributions through ancient Asian art, Chinese art, Japanese art, Korean art, Indian art, Southeast Asian art, Islamic art in Asia, and contemporary Asian art. Through the study of significant artworks and artists, students gain insight into the historical, religious, and aesthetic aspects of these cultures, offering a view of how art and artists have shaped Asia's cultural landscape and influenced the visual art we see today.

Online Art and Artists of Africa

1 trimester, 1 credit

Recommended: None

Course code: OLAR46



This course offers a comprehensive exploration of African art, spanning ancient to contemporary periods. Students will delve into the diverse artistic traditions of various African regions, including West Africa (Nok Culture, Ife Kingdom, Benin Empire), Central Africa (Kongo Kingdom, Luba Kingdom), East Africa (Great Zimbabwe, East African Coastal Cultures), and Southern Africa (Nguni Cultures). By studying significant artworks and artists from these cultures, students will gain insights into the historical, cultural, and aesthetic aspects of these societies, ultimately understanding how African art has shaped the global visual landscape.

Online Indigenous Art of the Americas

1 trimester, 1 credit

Recommended: None

Course code: OLAR44



This course is an exploration of the rich and diverse artistic traditions of Indigenous Peoples across North, Central, and South America. Students will delve into the intricate world of Indigenous art, ranging from ancient Mesoamerican civilizations to the contemporary works of Indigenous artists. The course celebrates the cultural significance of regions in the Americas, highlighting the major works and styles that influence the world of art and media we see today. Students gain an appreciation for the resilience and creativity of Indigenous communities, as they examine the masterpieces that continue to shape and reflect Indigenous identities, values, and worldviews.

Unified Art

1 trimester, 1 credit

Recommended: None

Course code: AR0045

This course will include general education students selected through an application/recommendation process, and students from center-based high needs programs. The general education students will learn content while serving as positive role models and supporting their peers with disabilities. The courses allow for positive social interaction and social relationships to develop between students with and without disabilities, as well as provide a natural form of support in the classroom for students with disabilities. This visual arts course may include units on drawing, painting, bookmaking, found objects, fiber arts, clay, mixed media, abstract art, group sculpture, artwork preparation/artist statements, and exhibits.

Graphic Design A

1 trimester, 1 credit

Recommended: None

Course code: AR0039

In this course, we blend art with technology to solve design challenges using industry-standard software (Adobe Express, Adobe Photoshop, and Adobe Illustrator) on iMac computers. We create projects for businesses, web, print, and social media. In this course we focus on the design process (skill building, research, idea generation, creation) to develop creative, and effective visual solutions for real-world design projects. Units of study include logos & branding, typography, illustration, and more.

Online Graphic Design A

1 trimester, 1 credit

Recommended: None

Course code: OLAR39



Discover how to design and create posters, CD covers, children's books, magazine and/or fashion illustrations, t-shirt designs, business logos and calligraphy. Work from concept to design to finished product! You'll create many projects to include in a portfolio of finished work for the commercial art/graphic design field. Students will use hands-on and technology-based programs or apps.

Graphic Design B

1 trimester, 1 credit

Recommended: Graphic Design A

Course code: AR0040

Building on the experience of Graphic Design A, This course continues to blend art with technology to solve design challenges using industry-standard software, Adobe Creative Cloud (Photoshop, Illustrator, In Design, After Effects), on iMac computers. We create projects for businesses, web, print, and social media. In this course we focus on the design process (skill building, research,

idea generation, creation) to develop creative, and effective visual solutions for real-world design projects. Units of study include company branding, illustration, visual communication, color theory, motion graphics and more.

Online Graphic Design B

1 trimester, 1 credit

Recommended: Graphic Design A

Course code: OLAR40



Online Graphic Design B is a continuation of Graphic Design A and more fully explores the interaction of text and image. Students will use the elements of art and the principles of design to become more independent in their use of fundamental components of graphic communication such as editorial layouts, logos, branding advertising, brochures and more. They will create independent and creative solutions to a series of design problems from sketch to presentation.

WGT AP Art and Design

3 trimesters, 3 credits (take 3 trimesters for credit)

Recommended: Course for grades 11 or 12

Available at: East Ridge and Woodbury High Schools

Course codes: AP0065, AP0066, AP0067

This is a rigorous college-level art class. You will produce one of the following art portfolios: Drawing, 2D Design or 3D Design. Throughout the year, students will develop a theme led by a guiding question of their choice, then create several works of art that revolve around that question and show synthesis of ideas, processes, and materials, as well as investigation through practice, experimentation, and revision. A final portfolio of this artwork will be submitted digitally to the College Board for scoring in the spring. College credit is possible depending on the score of your portfolio and your college of choice.

WGT IB Visual Arts

Park High School's IB Visual Arts class encourages students to pursue their own artistic direction of media and content. They will be actively involved in independent research, as well as creating personal, relevant and skillful artwork. This class aims to develop internationally minded people, embracing the common humanity of all, while investigating the visual arts from a local and global perspective.

WGT IB Visual Arts A

1 trimester, 1 credit

Recommended: Courses for grades 10 – 12

Available at: Park High School only

Course code: IB1026

WGT IB Visual Arts B

1 trimester, 1 credit

Recommended: Courses for grades 10-12

Available at: Park High School only

Course code: IB1027

WGT IB Visual Arts C

1 trimester, 1 credit

Recommended: Courses for grade 10 – 12

Available at: Park High School only

Course code: IB1028

WGT IB Visual Arts D

1 trimester, 1 credit

Recommended: Courses for grade 12 only

Available at: Park High School only

Course code: IB1029

WGT IB Visual Arts E

1 trimester, 1 credit

Recommended: Courses for grade 12 only

Available at: Park High School only

Course Code: IB1030

Business

Computer Applications Productivity Tools

1 trimester, 1 credit

Recommended: None

Course code: BE0045

Proficiency in computer skills is essential for future success in the 21st century. This course is designed to assist the college-bound student, as well as the student preparing for career opportunities, by addressing the dominant software use in today's business world. Students will learn the fundamentals of current and emerging technologies. The computer applications addressed in this course will include spreadsheets, data base, word processing, desktop publishing and presentation software. Social media trends will be examined, and cloud computing will be addressed. In addition, the student will be better prepared to enter today's competitive workplace.

Introduction to Business

1 trimester, 1 credit

Recommended: None

Course code: BE0098

Online Introduction to Business

1 trimester, 1 credit

Recommended: None

Course code: OLBE98



This course provides opportunities to learn and experience a variety of topics in the field of business. Students are exposed to various economies, their roles in our economy, entrepreneurship, marketing, managing financial and technological resources, and the use of social media. This course will involve a variety of hands-on learning opportunities for students. Course activities involve students working in collaboration, critical writing, investigating, problem-solving, demonstrating, and reporting.

Concurrent Enrollment Introduction to Business

1 trimester, 1 credit

Recommended: Course for grades 11, 12

Available at: Park High School and Woodbury High School

Course code: BE0066

This course provides an overview of the world of business. Included is an introduction to basic business terminology, concepts, and functions featuring an analysis of marketing, finance, production, personnel management, accounting, and economics as they relate to business meeting its social responsibility of resource allocation. Seniors interested in this course must be in the top 50% of their class, or have a 2.8 cumulative GPA or higher, or score above 50th percentile on a national standardized test (ACT, SAT). Juniors must be in the top 67% of their class, or have a 3.0 cumulative GPA or higher. Potential for transferable college credit through Bemidji State University.

Website Design

1 trimester, 1 credit

Recommended: None

Course code: BE0042

Online Website Design

1 trimester, 1 credit

Recommended: None

Course code: OLBE42



Students will be exposed to the planning and decision-making process involved in creating websites that include text, images, hyperlinks, tables, etc. Unlock creativity while learning the fundamentals of computer animation.

Advanced Website Design

1 trimester, 1 credit

Recommended: Website Design

Available at: East Ridge and Park High School

Course code: BE0067

Want to take your web design skills to the next level? Perhaps you want your own .COM? Use JavaScript and Dreamweaver to express your creative self. Throughout this course, students utilize planning, designing and web maintenance skills from the Web Design class, and build upon multimedia to enhance layout, navigation and interactivity. Students will delve deeper into HTML and will also work with CSS code to produce multi-page websites. Certification Exam available.

Introduction to Programming/Computer Science

1 trimester, 1 credit

Recommended: None

Course code: BE0043

Online Introduction to Programming/Computer Science

1 trimester, 1 credit

Recommended: None

Course code: OLBE43



Are you interested in learning how to write computer programs and explore the world of programming? You will have access to programming software used in today's Information Technology (IT) industry. App development will also be explored. Programming is both challenging and exciting. This course provides opportunities for you to see how computer software, hardware and technology all work together.

Digital/Video Game Design

1 trimester, 1 credit

Recommended: Introduction to Programming, Computer Science

Course code: BE0044

Online Digital/Video Game Design

1 trimester, 1 credit

Recommended: Introduction to Programming, Computer Science

Course code: OLBE44



Can't get enough programming? Then sign up for this advanced class where you can explore new code to make your programs more sophisticated. Sharpen your abilities and use that knowledge to create entry-level games. In addition, gaming strategies and the video game industry will be explored.

Business Law

1 trimester, 1 credit

Recommended: None

Course code: BE0046

Online Business Law

1 trimester, 1 credit

Recommended: None

Course code: OLBE46



This course will help students develop a comprehensive understanding of business and personal law. The course will focus on business and civil law and the court systems that enforce those laws. Students will engage with practical content that can be applied in daily life. Students will use skills of analysis as they study classic and recent court cases. Current issues and legal situations are highlighted in each unit.

Business Seminar

3 trimesters, 3 credits

Recommended: Course for grades 11 or 12

Available at Park High School

Course codes: BE0027, BE0028, BE0029

Online Business Seminar

3 trimesters, 3 credits

Recommended: Course for grades 11 or 12

Course codes: OLBE27, OLBE28, OLBE29



Students must take this class in **conjunction with the Online Business Internship** “Earn While You Learn” experience. Gain practice in job- seeking and workplace skills. Prepare your resume, learn how to interview, and get a jump-start in the competitive world of work. Early release allows you to go directly to work during the school day.

Business Internship

3 trimesters, 3 credits

Recommended: Application and instructor permission

Recommended: Course for grades 11 or 12

Course codes: BE0030, BE0031, BE0032

Online Business Internship

3 trimesters, 3 credits

Recommended: Application and instructor permission



Recommended: Course for grades 11 or 12

Course codes: OLBE30, OLBE31, OLBE32

The Business Internship Program is an opportunity for students to gain occupational experience, explore career areas and assist in making college career choices. Your paid positions in the community receive a grade/credit earned towards graduation. Training agreements between student, teacher, employer and parent ensure a valid work experience. Early release from school allows students additional time to maintain academic progress in all classes.

Work Experience Seminar

1 trimester, 1 credit

Recommended: Course for grades 11 and 12

Course codes: BE0062, BE0063, BE0064

This is an “earn while you learn” course. Gain practice in job-seeking and workplace skills. Prepare your resume, learn how to interview, and get a jump start in the competitive world of work. Early release allows you to go directly to work during the work day. This course is taken concurrently with Work Experience.

Work Experience

1 trimester, 1 credit (can take multiple times)

Recommended: Course for grades 11 and 12

Course codes: BE0059, BE0060, BE0061

The Work Experience Program is an opportunity for students to gain occupational experience, explore career areas and assist in making college career choices. Your paid positions in the community receive a grade/credit earned toward graduation. Training agreements between student, teacher, employer, and parent ensure a valid and meaningful work experience. Early release from school allows students additional time to maintain academic progress in all classes.



WGT IB Business Management

3 trimesters, 3 credits

Recommended: None

Available at: Park High School

Course codes: IB0161, IB0162, IB0163

The Diploma Programme business management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. The applications of tools and techniques of analysis facilitated an appreciation of complex business activities. This course considers the diverse range of business organizations and activities, and the cultural and economic context in which business operates. Emphasis is placed on strategic decision- making and the day-to-day business functions of marketing, production, human resource management and finance. Links between the topics are central to the course, and this integration promotes

a holistic overview of business activity. Students will be prepared for the IB Business Management SL Exam.

Accounting 1

1 trimester, 1 credit

Recommended: None

Course code: BE0013

Are you planning on becoming a business major in college? If so, you need to take this course! The accounting basics learned in this course will prepare students for careers in business, accounting, or finance. The skills you gain will open doors for a future job and can be valuable in managing your financial life. If you plan to take Accounting II, we recommend that you try to take it during the same year as Accounting I.

Accounting 2

1 trimester, 1 credit

Recommended: Accounting I

Course code: BE0014

Use the skills you learned in Accounting I to set up a computerized accounting system. You will manage the financial records of a business using current accounting software. By successfully completing this course, you are prepared for college-level accounting as well as an entry-level accounting position.

Online Personal Marketing and Brand Development

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLBE35



A career portfolio is a tool that reflects your academic ability, maturity and motivation; therefore, it is in your best interest to create a professional document that presents you in the best possible manner. In this course, you will be taught how to identify your personal brand on social media outlets including LinkedIn, Facebook and YouTube. As you transition from the academic classroom to life beyond high school, your personal brand plays an essential role in your future career and educational pursuits and defines your reputation and your legacy.

Social Media Marketing

1 trimester, 1 credit

Recommended: Course for grades 10, 11 or 12

Course code: BE0051

This course will combine the traditional marketing and sales topics with the current trends of social media marketing. Design creative marketing projects and learn who your customers are and how to sell to them. Promote a business using social media tools such as Twitter, Facebook, LinkedIn, Pinterest, Instagram, Snapchat, and Tik Tok. Increase web traffic through search engine optimization, mobile marketing, YouTube, blogging, affiliate advertising, etc. to market products/services to target audiences. Students will address ethical issues as well as day-to-day management and implementation of all marketing activities.

*College Credit available through Century College Articulation Program.

Sports/Entertainment Marketing

1 trimester, 1 credit

Recommended: None

Course code: BE0023

Take a step-by-step journey through the world of marketing as it pertains to the sports and entertainment industry. This course will include a variety of fun marketing projects, and you will participate in virtual simulations to learn the ins and outs of this exciting, fast-growing industry.

Entrepreneurship

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: BE0021

Online Entrepreneurship

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLBE21



Do you want to start your own business? Are you a risk taker? Does profit motivate you? Do you want to be your own boss? If so, this course is for you. Learn how to prepare a business plan from start to finish. You will develop your idea (product/service), design your logo, create your floor plan, investigate the financial operations, explore the competition, choose your location and pinpoint your target audience for your successful business venture.

*College Credit available through Century College Articulation Program.

English

English 9

3 trimesters, 3 credits

Recommended: None

Course codes: EN0036, EN0037, EN0038

Online English 9

3 trimesters, 3 credits

Recommended: None

Course codes: OLEN36, OLEN37, OLEN38



Students in this course will engage with a wide variety of texts and write for a variety of purposes, including argumentative, persuasive, informational, and creative texts and

writing. Students will complete frequent on-demand writing and prepared writing and will engage with classmates using strong communication skills. Inquiry, analysis, and evaluation skills are emphasized, and students continue to reflect on and understand their own perspectives in relation to those of others.

Honors English 9

3 trimesters, 3 credits

Recommended: None

Course codes: EN0027, EN0028, EN0029

Online Honors English 9

3 trimesters, 3 credits

Recommended: None

Course codes: OLEN27, OLEN28, OLEN29



This course is designed to promote success toward taking higher level courses in English. It is an accelerated and differentiated approach to the standard English curriculum including analyzing literature and informational text, writing and grammar, and listening, speaking, viewing, and exchanging ideas. The course is designed for the students who are motivated and who have a willingness to accept a challenge.

English 10

3 trimesters, 3 credits

Recommended: English 9

Course codes: EN0039, EN0040, EN0041

Online English 10

3 trimesters, 3 credits

Recommended: English 9

Course codes: OLEN39, OLEN40, OLEN41



The English 10 course focuses on analysis of thought, argumentation, and literature. Student writing will focus on the building, supporting, and communicating of argumentation. Students will learn how to understand and apply reading strategies to access and comprehend complex forms of fiction and nonfiction and understand and apply language and composition skills necessary to create expository compositions. Speaking, listening, and language will be integrated throughout the course.

Honors English 10

3 trimesters, 3 credits

Recommended: Honors English 9

Course codes: EN0030, EN0031, EN0032



Online Honors English 10

3 trimesters, 3 credits

Recommended: Honors English 9

Course codes: OLEN30, OLEN31, OLEN32

Students in this course will study a variety of literary genres and will develop composition and literary analysis skills. This course will introduce AP and IB strategies such as close reading, commentary and literary analysis to improve research and argumentation skills. There is a strong emphasis on analyzing the author's purpose, understanding various perspectives, examining bias and its effects, and developing writing skills. Students interested in taking AP or IB English courses as a junior and senior are encouraged to take this course.

English 11

3 trimesters, 3 credits

Recommended: English 10

Course codes: EN0042, EN0043, EN0044

Online: English 11

3 trimesters, 3 credits

Recommended: English 10

Course codes: OLEN42, OLEN43, OLEN44



Students will read various types of texts to synthesize generational stories and perspectives. Writing to inform and explain will be the focus for this course. In addition, writing arguments and counter-arguments with evidence and making strong, logical appeals will build on skills from previous years. Both formal and informal speaking experiences will be included.

WGT AP English Language and Composition

3 trimesters, 3 credits

Recommended: Honors English 10

Available at: East Ridge and Woodbury High School

Course codes: AP0001, AP0002, AP0003

Online WGT AP English Language and Composition

3 trimesters, 3 credits

Recommended: Honors English 10

Course codes: OLAP01, OLAP02, OLAP03



Juniors in AP Language and Composition will study rhetorical analysis by reading and analyzing several varieties of American fiction and non-fiction prose, and by composing essays in response to what they read. Similarly, students will craft their skills in writing research essays and argument essays. In addition to these writing challenges, AP Language and Composition includes a thorough reader's survey of American literature, including novels, short stories, poetry and plays.

WGT IB English Higher Level (HL) Year 1: 11

3 trimesters, 3 credits

Recommended: Honors English 10

Available at: Park High School

Course codes: IB0020, IB0021, IB0022

IB English HL 11 is a rigorous, college-preparatory course for juniors. Students should be highly motivated and well-prepared to commit to a course of study that requires independent reading, critical thinking, written literary commentaries, class discussion, various oral presentations, and essays. This is the first part of a two-year sequence that includes one assessment required for the Higher Level IB Examination in May of senior year (college credit can potentially be earned). This course is recommended before taking IB English HL 12.

English 12

3 trimesters, 3 credits

Recommended: English 11

Course codes: EN0045, EN0046, EN0047

Online English 12

3 trimesters, 3 credits

Recommended: English 11

Course codes: OLEN45, OLEN46, OLEN47



The 12th grade English Language Arts course focuses on group communication/civil discourse, effective career and business communication, persuasive research and writing, and exploring identity of self, culture, community, memory, and perception through literature. The course emphasizes reading, writing, listening, speaking, viewing, and exchanging ideas.

WGT AP Literature and Composition

3 trimesters, 3 credits

Recommended: AP Language and Composition

Available at: East Ridge and Woodbury High School

Course codes: AP0004, AP0005, AP0006

Online WGT AP Literature and Composition

3 trimesters, 3 credits

Recommended: AP Language and Composition

Course codes: OLAP04, OLAP05, OLAP06



In this demanding course, students will read and analyze British and world literature to deepen their understanding of how writers use structure, style and rhetorical strategies in order to explore ideas and themes in their work. Student writing will demonstrate a wide range of vocabulary comprehension; sentence structure; logical organization; and effective use of rhetoric, tone and voice.

WGT IB English Higher Level (HL) Year 2: 12

3 trimesters, 3 credits

Recommended: IB English Higher Level (HL) Year 1: 11

Available at: Park High School

Course codes: IB0023, IB0024, IB0025

This is the second year of the IB English Higher Level (HL) courses. IB offers rigorous coursework that meets international standards. Students continue to refine their literary analysis skills in both written and verbal forms. The course requires independent reading, critical thinking, written literary commentaries, class discussions, oral presentations, essays and research projects. The course specifically aims to prepare students for the Higher Level IB Examinations in May (college credit can potentially be earned).

Fear and Fiction

1 trimester, 1 credit

Recommended: None

Course code: EN0119

Fear in Fiction will introduce students to the genre of horror literature through an exploration of its origins to its modern-day interpretations. This course allows students of diverse backgrounds the opportunity to analyze horror pop culture, both classic and contemporary, through novels, film, television, poetry, short stories, folklore, music, and art. Fear in Fiction will focus on themes to showcase how such works develop over time and adapt to different social contexts.

International Film Studies

1 trimester, 1 credit

Recommended: None

Course code: EN0101

In International Film Studies, students will develop international awareness and learn the knowledge and skills needed to practice critical film analysis as they view, discuss and analyze both foreign and domestic films.

Film makers & Film masters: Movies as Narrative Art

1 trimester, 1 credit

Recommended: none

Available at: East Ridge

Course code: EN0126

Advanced film studies will build off of teachings from EN0101 (International Film Studies). Students will deepen their cinematic knowledge and skill set by exploring film history, delving deeper into film genres, and analyzing the work of notable filmmakers to better understand film theory.

Creative Dramatics and Acting

1 trimester, 1 credit

Recommended: None

Course code: EN0071

This course is a comfortable way to learn and develop skills in creative dramatics and acting. This course is an exciting way to develop poise in front of a group while experiencing the thrill of involvement in theater. This course can be taken in the same year as Advanced Acting and Directing.

Advanced Acting and Directing

1 trimester, 1 credit

Recommended: Creative Dramatics & Acting or Instructor Approval

Available at: East Ridge

Course code: EN0072

In this performance course, students will explore formal acting and directing. Moving through the production process, students will assume the roles of producers, directors, actors and technical staff. This course can be taken in the same year as Creative Dramatics.

Creative Writing I

1 trimester, 1 credit

Recommended: None

Course code: EN0079

Online Creative Writing I

1 trimester, 1 credit

Recommended: None

Course code: OLEN79



Creative Writing is offered as an opportunity for students to sharpen their powers of observation and to translate these observations into clear, interesting descriptions. Students will have an opportunity to collaborate and peer edit work as well as produce poems, short stories and journalistic work. Technology will be used to facilitate the completion of compositions.

Sports Journalism

1 trimester, 1 credit

Recommended: None

Available at: East Ridge High School, Woodbury High School, Park High School

Course code: EN0120

Students will immerse themselves in the world of sports writing in all its forms, including brief, episodic recaps, broad analyses, sports reporting, statistics and debate. In this course, students will read the notable sportswriters of the past and present, as well as review current events and the culture of athletics from their own community to the global stage. Students will also write their own comprehensive pieces, and deliver presentations aimed at demonstrating students' individual personalities and identities. The course will encourage research, writing and revising, peer-editing, media usage, statistical analysis, listening and public speaking in an effort to enrich the students' understanding of topics,

opinions and processes in a medium that can often be full of bias and rhetoric, in order to expand their abilities to see opposing sides of arguments and silver linings in a passionate field.

Online Communication in the Digital Age

1 trimester, 1 credit

Recommended: Course for grades 10 – 12

Course code: OLEN125



Communication in the Digital Age is designed to equip students with essential communication skills while understanding how communication and media shape our lives. In this course, students will begin to examine the communication process and understand what it means to be an effective communicator in a digital age.

Mythology

1 trimester, 1 credit

Recommended: None

Course code: EN0121

This course begins with an examination of Native American myths and legends and goes on to compare those with myths and legends from around the world. Mythological archetypes, such as “the trickster” and “the hero” are explored to discover the unexpected connections among all cultures’ myths, and regional cultures are studied to further develop students’ understanding of those cultures’ values as conveyed by their myths. Students will have the opportunity to investigate the myths and legends of a region of their choice for a more in-depth creative project of their own design; they will then present their projects at the end of the course and share what they’ve learned.

Online Theater as Literature

1 trimester, 1 credit

Recommended: None

Course Code: OLEN124



This course covers the journey from playwright to Broadway, offering a comprehensive introduction to theater studies as a genre of literature. Topics include theater definitions, history, and contemporary genres in the first half of the trimester. The second half of the trimester guides students through the entire production process, from playwriting to opening night, including technical aspects, rehearsals, and audience response, making it valuable for aspiring theater professionals and enthusiasts.

Online Women in Fiction

1 trimester, 1 credit

Recommended: None

Course Code: OLEN123



This course studies novels and short stories by women across cultures. Emphasis on the conditions that have affected women’s writing (including race and class), the reflection

of women's unique experience in their writing, and the ways in which women writers have contributed to and modified the western literary heritage.

College in the Schools: CIS University Writing

3 trimesters, 3 credits

Recommended: Application and instructor approval

Available at: Woodbury High School

Course codes: CIS055, CIS056, CIS057

1301 University Writing is a dual enrollment course with the University of Minnesota-Twin Cities. Students earn 3 credits at their high school which fulfill the English 12 requirement and 4 credits from the University of Minnesota which fulfill their freshman writing requirement. The course focuses on three writing domains: Writing from Experience, Writing with Sources, and Research Exploration. The course focuses on writing as a way of knowing, based on the assumption that writing is a social activity, the course is a workshop format and requires active engagement in the writing process, including pre-writing, peer review, revision, and editing. Students develop information literacy and hone the ability to locate, evaluate, and effectively and ethically incorporate information into their own texts. For eligibility criteria go to www.cce.umn.edu/College-in-the-Schools.

*Possible University of Minnesota credit is available for this course.

**Meets English 12 language arts requirement

WGT IB Theatre SL (A, B, C)

1 trimester, 1 credit (can take one or all trimesters)

Recommended: None

Available at Park High School

Course codes: IB0155, IB0156, IB0157

In IB Theatre, students will focus on the acquisition and development of all skills required to create, present, and observe theatre. Students will apply practical skills in different roles such as performers and parts of the production team. Additionally, students will do a practical and theoretical of a range of theatre traditions from around the world. This allows students to understand the origins and traditions of a variety of theatre conventions and practices from diverse historical and cultural contexts. Students who complete all three trimesters will be prepared for the IB Theatre SL Exam. Students may also choose to take only one or two of the trimesters. IB0155: Elements of Directing and Design; IB0156: Elements of Theatre Creation; IB0157: Elements of Performance and World Theatre.

English Learners (EL)

English Language Development (Levels 1, 2 and 3)

Sheltered English Language Development courses provide multilingual students identified for EL service with direct English language instruction in listening, reading, writing and speaking. The English Language Development courses are aligned to WIDA framework and standards. The students progress through ELD course work designed to focus on providing access to core content. The English Language Development courses are taught by licensed EL teachers.

EL Supported Co-Taught Content Classes

Co-taught classes are provided to multilingual students receiving EL services in grade levels 9–12. The courses are taught by both an EL teacher and a licensed content teacher. Co-taught classes support an inclusive service model where students receive EL service simultaneously within their content instruction. EL strategies are modeled and language is scaffolded to provide access to core content.

Family and Consumer Science – FACS

Concurrent Enrollment: Personal and Family Living

2 trimesters, 2 credits

Recommended: Course for students in grades 11–12

Available at: Woodbury High School

Course codes: FS0044, FS0045



This course emphasizes cognitive, emotional, and social development within our diverse society. Multi-generational local and national-level underrepresented/diverse family forms and practices are highlighted, relating to inter/intrapersonal communication, conflict resolution, mate selection, marriage/family dynamics, sexual development, family strengths, stress and crisis, parenting, decision-making, parent-child relationships, and the balancing act of family and work.

Concurrent Enrollment : Lifespan Development

2 trimesters, 2 credits

Recommended: Course for students in grades 11–12

Available at: Woodbury High School

Course codes: FS0046, FS0047

This course includes the study of human development from conception through adulthood including aging and death. Emphasis is placed on physical, cognitive, social, and emotional development. Students will gain knowledge and understanding about the theories of life stages and the course of development across the lifespan and apply theories to individuals and groups of people.

Child Development

1 trimester, 1 credit

Recommended: None

Course code: FS0009

Do you want to work in a career related to children, such as teaching, social service or medicine? Are you concerned and interested in your future role as a parent? You will learn about the role of parents and study child development from birth to age five. Students completing this course are more employable in childcare-related jobs.

*Possible College credit available through Century College and St. Paul College Articulation Program.

Early Childhood Education

1 trimester, 1 credit

Recommended: None

Course code: FS0011

High school students will participate in a preschool program for 3–5-year-olds as a mentor. You will learn practical ways to guide children in safe, educational ways through various daily experiences. Gain hands-on experience in creating children's environments and learning experiences through play. Understand how to communicate effectively with children and how to guide their behavior. Explore careers that benefit from child development knowledge, e.g., teaching, psychology, nursing, social services, parenting and more.

*Possible College credit available through Century College and St. Paul College Articulation Program.

Teen Life and Success

1 trimester, 1 credit

Recommended: None

Course code: FS0048

Relationships can be tricky. Parents, friends, siblings, coworkers and fellow students all play a role in your life. Discuss relationship types: learn coping skills, character education, conflict resolution and so much more. Figure out the “why did that happen?” and “how can I change that?” to life's questions in relationships related to teen issues.

Fashion Design

1 trimester, 1 credit

Recommended: None

Course code: FS0013

Explore the history and world of fashion and design. Discover the best color, design and style of clothing for you. Design and sew a garment and accessory.

*Possible College credit available through Century College Articulation Program.

Global Foods

1 trimester, 1 credit

Recommended: None

Course code: FS0027

This course is a culinary tour of many nations. We will explore the foods, customs and characteristics of regions all over the globe. Through country exploration, students will also learn the diverse customs, influences and food habits of people throughout the world. Students will gain an appreciation for the global society. ***This course includes food lab experiences.**

Foundations/Fundamentals of Food Prep

1 trimester, 1 credit

Recommended: None

Course code: FS0029

Students will be introduced to a variety of cooking techniques used in food preparation, including knife skills, basic cooking skills and terminology, along with baking techniques. Safety and sanitation practices are also a key component of this hands-on lab course. This course will be a good mix of both study and kitchen time with a variety of food labs. Units could include principles of food preparation, principles of meat cookery, preparing fruits and vegetables, pastas, breads and grains, alternative food choices, career exploration and more. ***This course includes food lab experiences.**

Baking and Pastry

1 trimester, 1 credit

Recommended: None

Course code: FS0038

Students in Baking and Pastry take on the world of pastry chefs. Using scientific principles and procedures, students will examine fundamental baking knowledge while applying hands-on practice through culinary labs. Units of study could include quick and yeast breads, pastries, pies and tarts, chocolate, specialty desserts, custards, creams and sauces. Other topics could include baking and pastries with specialty diets or restrictions such as gluten free recipes or other specialty diets. ***This course includes food lab experiences.**

Online Baking and Pastry

1 trimester, 1 credit

Recommended: None

Course code: OLFS38



This asynchronous online course transforms your kitchen into a pastry lab, empowering you to master the scientific principles and fundamental techniques of baking through engaging digital instruction. Students will complete independent, hands-on culinary labs covering units like quick breads, pies, tarts, custards, and chocolate, with essential ingredients and equipment provided in a take-home kit. Utilizing your own flexible

schedule, you'll develop expertise by executing recipes and submitting photo/video documentation to demonstrate proficiency in essential skills, including adaptations for specialty diets such as gluten-free baking. By the end of the course, you'll confidently apply the knowledge and precision of a pastry chef to create professional-quality desserts from the comfort of your home.

Nutrition and Wellness

1 trimester, 1 credit

Recommended: None

Course code: FS0028

Are you tired of eating high-calorie, high fat and processed foods? Alter your favorite recipes and eating habits for a lifetime of health, wellness, and fun. The words "diet" and "nutrition" do not need to be a source of confusion. Bring your appetite, as you prepare and enjoy simple, yet great tasting, snacks and meals! ***This course includes food lab experiences.**

Housing and Interior Design

1 trimester, 1 credit

Recommended: None

Course code: FS0017

Online Housing and Interior Design

1 trimester, 1 credit

Recommended: None

Course code: OLFS17



Whether you are headed to a career in real estate or interior design, a job in the construction industry, or future home ownership, this class is for you! You will create a portfolio featuring hands-on class projects implementing design principles. You will also create and decorate original home plans using a 3-D computer design program.

*College credit available through Century College Articulation Program.

Independent Living/Senior Strategies

1 trimester, 1 credit

Recommended: Course for grades 11-12

Course code: FS0030

Online Independent Living/Senior Strategies

1 trimester, 1 credit

Recommended: Grades 11-12

Course code: OLFS30



Sharpen your survival skills for living away from home. Learn your rights and

responsibilities when renting an apartment, financing a car, managing bank accounts and more. Whether you're headed after graduation to college, technical school or the workforce, get ready for life in the real world!

Unified Independent Living

1 trimester, 1 credit

Recommended: None

Course code: FS0039

This will include general education students selected through an application/recommendation process, and students from center-based high needs programs. The general education students will learn content while serving as positive role models and supporting their peers with disabilities. The courses allow for positive social interaction and social relationships to develop between students with and without disabilities, as well as provide a natural form of support in the classroom for students with disabilities. This Independent Living course may include units on health and nutrition, cooking and baking, finances, career exploration, and more.

International Baccalaureate (IB) at Park High School

IB combines the strengths of a liberal arts curriculum with several important additional features. The components are coursework in six academic areas: English, World Language, History, Science, Mathematics, Arts and electives. You will find IB courses listed under departments in this course guide. Examinations in these areas are offered in May of each year. Successful examinations can lead to advanced college placement and/or college credits, depending on the individual college's policy. Students are encouraged to research potential college choices for their IB acceptance policy.



As a result of their time in IB, students develop:

- time management skills and a strong sense of self-motivation
- a keen interest in civic engagement
- notable academic ability
- strong research and writing skills

- critical thinking abilities
- an international outlook

Research shows that IB students are strong in:

- student leadership activities
- working with university faculty on research projects
- finding opportunities to study in other countries
- tutoring other students
- taking part in voluntary and community service
- completing internships

Contact IB Program Coordinator Lisa Martineau for more information at: 651-425-3749 or lmartineau@sowashco.org

WGT Theory of Knowledge Year 1 & 2

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course codes: IB0090 (Year 1) IB0089 (Year 2)

This is a three-trimester course, two during year 1 and one during year 2. All three are compulsory for IB Diploma Candidates. The purpose, from the IB perspective, is for this course to complement all elements of the students' curriculum. The Theory of Knowledge course increases the depth of understanding that all academic areas are influenced by personal and international perceptions of knowledge and knowledge issues. Additionally, students will receive academic support for the Extended Essay and CAS. Students enrolled in these courses must be Diploma Candidates or enrolled in two additional IB courses. All students will complete an Extended Essay during year 1.

Math

Pathways

East Ridge High School

8th Grade Math Course	Grade 9	Grade 10	Grade 11	Grade 12
Middle School Algebra	Intermediate Algebra	Geometry	Algebra 2	Algebra 3 w/Trig, Pre- Calc, AP Pre-Calc, CIS College Algebra Through Modeling, or AP Statistics

Intermediate Algebra	Geometry	Algebra 2	Algebra 3 w/Trig, Pre- Calc, AP Pre-Calc, CIS College Algebra Through Modeling, or AP Statistics	CIS College Algebra Through Modeling, Pre-Calc, AP Calc AB, or AP Statistics
Geometry	Algebra 2	Algebra 3 w/Trig, Pre- Calc, AP Pre-Calc, or AP Statistics	Pre-Calc, AP Calc AB, or AP Statistics	AP Calc AB, AP Calc BC, or AP Statistics
Algebra 2	Algebra 3 w/Trig, Pre- Calc, or AP Statistics	Pre-Calc, AP Pre-Calc, AP Calc AB, or AP Statistics	AP Calc AB, AP Calc BC, or AP Statistics	AP Calc BC or AP Statistics

Park High School

8th Grade Math Course	Grade 9	Grade 10	Grade 11	Grade 12
Middle School Algebra	Intermediate Algebra	Geometry or Geometry in Construction	Algebra 2 or IB Prep Algebra 2	Algebra 3 w/Trig, IB Applications SL 1, or Precalculus
Intermediate Algebra	Geometry or Geometry in Construction	Algebra 2 or IB Prep Algebra 2	Algebra 3 w/Trig, IB Applications SL 1, or Precalculus	IB Applications SL 2, AP Calc AB, or AB Statistics
Geometry	Algebra 2 or IB Prep Algebra 2	Algebra 3 w/Trig, IB Applications SL 1, or Precalc	IB Applications SL 2, AP Calc AB, or AP Statistics	AP Statistics, AP Calc AB, or IB Analysis SL/HL
Algebra 2	Algebra 3 w/Trig, IB Applications SL 1, or Precalc	IB Applications SL 2, AP Calc AB, or AP Statistics	AP Statistics, AP Calc AB, or IB Analysis SL/HL	AP Statistics or IB Analysis SL/HL

Woodbury High School

8th Grade Math Course	Grade 9	Grade 10	Grade 11	Grade 12
Middle School Algebra	Intermediate Algebra	Geometry	Algebra 2	Algebra 3, Statistics, Trig, Pre-Calc, AP Precalc, CIS College Algebra Through Modeling, or AP Statistics
Intermediate Algebra	Geometry	Algebra 2	Algebra 3, Statistics, Trig, Pre-Calc, AP Precalc, CIS College Algebra Through Modeling, or AP Statistics	CIS College Algebra Through Modeling Pre-Calc, AP Precalc, AP Calc AB, or AP Statistics
Geometry	Algebra 2	Algebra 3, Statistics, Trigonometry Pre- Calc, or AP Statistics	Pre-Calc, AP Precalc, AP Calc AB, or AP Statistics	AP Calc AB, AP Calc BC, or AP Statistics
Algebra 2	Algebra 3, Statistics, Trigonometry Pre-Calc, AP Precalc, or AP Statistics	Pre-Calc, AP Precalc, AP Calc AB, or AP Statistics	AP Calc AB AP Calc BC, or AP Statistics	AP Calc BC or AP Statistics

Course Descriptions

Intermediate Algebra

3 trimesters, 3 credits

Recommended: None

Course codes: MA0081, MA0082, MA0083

Online Intermediate Algebra

3 trimesters, 3 credits

Recommended: None



Course codes: OLMA81, OLMA82, OLMA83

Intermediate Algebra continues the study of linear functions begun in Middle School Algebra and moves on to the study of other functions, including quadratic, polynomial, rational and exponential. Functions will be represented with symbols, verbal descriptions, graphs, and tables. Students will model real-world situations using functions and solve problems arising from these situations. Students will also study probability and data analysis.

Geometry

3 trimesters, 3 credits

Recommended: Intermediate Algebra

Course codes: MA0035, MA0036, MA0037

Online Geometry

3 trimesters, 3 credits

Recommended: Intermediate Algebra

Course codes: OLMA35, OLMA36, OLMA37



Geometry develops your formal and informal reasoning. Geometry and trigonometry develops visual thinking and the ability to construct, reason with, interpret and apply mathematical models of patterns in two and three dimensions.

Geometry in Construction

3 trimesters, 5 credits (3 Geometry Credits, 2 Elective Credits during Tri 2 and 3 additional block for shop)

Recommended: None

Available at: Park High School

Course codes: MATE35, MATE36, MATE37, MATE38, MATE39

This course meets the Geometry graduation requirement and is a contextualized approach to teaching Geometry. It is recommended for students interested in pre-engineering, architecture, construction management, interior design, landscape architecture, construction trades and surveying. You will understand and explore the interdependence between algebra and geometry and use coordinate geometry in the study of area, perimeter, volume, transformations, congruence, Pythagorean theorem, trigonometry, quadrilateral properties, circle properties, logic and functions. No previous construction experience is necessary. You will be working with power tools and building in the shop.

Algebra 2

3 trimesters, 3 credits

Recommended: Intermediate Algebra

Course codes: MA0023, MA0024, MA0025

This course reviews what students learned in Intermediate Algebra and further extends knowledge of algebra concepts. Topics include equations, linear relations, systems of equations, parabolas, quadratic equations, powers and roots, exponents and logarithms, trigonometry and polynomials, data displays, standard deviation and normal distribution, and probability.

Online Algebra 2

3 trimesters, 3 credits

Recommended: Intermediate Algebra

Course codes: OLMA23, OLMA24, OLMA25



This course reviews what students learned in Intermediate Algebra and further extends knowledge of algebra concepts. Topics include equations, linear relations, systems of equations, parabolas, quadratic equations, powers and roots, exponents and logarithms, trigonometry and polynomials, data displays, standard deviation and normal distribution, and probability.



*Algebra 2 classes and higher:
Texas Instrument TI 83, TI 84+ or
TI 84CE are the most commonly
used graphing calculator. If you are
not sure, please contact your math
teacher.*

IB Prep Algebra 2 with Trigonometry

3 trimesters, 3 credits

Recommended: Completion of Geometry

Available at: Park High School

Course codes: MA0056, MA0057, MA0058

This course consists of a review of the principles and ideas of algebra and the extension of these concepts. Some of the topics include formulas, inequalities, variations, graphs, linear relations, systems of equations, parabolas and quadratic equations, functions, powers and roots, exponents and logarithms, trigonometry and polynomials. Projects are used to enrich comprehension and there is a strong emphasis on application to prepare students for the rigor, language and focus of IB math. *Materials: Scientific or graphing calculator and graphing notebook recommended.

Algebra 3

1 trimester, 1 credit

Recommended: None

Available at: Woodbury High School

Course code: MA0109

This course is designed to enhance students' algebraic understanding and preparation for college level mathematics. This course examines, but is not limited to, topics such as graphing functions, manipulating expressions and solving equations through a variety of methods.

Algebra 3 with Trigonometry

3 trimesters, 3 credits

Recommended: None
Available at: East Ridge and Park High Schools
Course codes: MA0106, MA0107, MA0108

This course is designed to enhance students' algebraic understanding and mathematical confidence. This course examines, but is not limited to: trigonometry, functions (polynomial, rational, logarithmic), matrices and an in-depth study of high-level symbolic manipulation. This class also carries an underlying theme to prepare students for the ACT, Accuplacer and for college courses.

Trigonometry

1 trimester, 1 credit
Recommended: None
Available at: Woodbury High School
Course code: MA0077

Online Trigonometry

1 trimester, 1 credit
Recommended: None
Course code: OLMA77



This course is designed to prepare students for the challenges of college level algebra. In this class, students will go beyond the trigonometry concepts covered in Algebra 2. Students will cover right angle and non-right angle trigonometry concepts, the unit circle, radians, area and lengths of sectors, fundamental trig identities, solving trig functions and being able to graph trigonometric functions.

Statistics

1 trimester, 1 credit
Recommended: None
Available at: Woodbury High School
Course codes: MA0048

Online Statistics

1 trimester, 1 credit
Recommended: None
Course codes: OLMA48



This course is designed to enhance students' understanding of probability and statistics in preparation for college level applied statistics or Advanced Placement Statistics. This course examines topics such as probability, correlation and regression, and normal curves.

Precalculus

3 trimesters, 3 credits
Recommended: None
Course codes: MA0053, MA0054, MA0055

Online Precalculus



3 trimesters, 3 credits

Recommended: None

Course codes: OLMA53, OLMA54, OLMA55

Examine real numbers, polynomial and rational functions, exponential and logarithmic functions, and trigonometric and circular functions. Vectors, systems of equations and inequalities, matrices and polar coordinates are also taught.

WGT AP Precalculus

3 trimesters, 3 credits

Recommended: Completion of Algebra 2

Available at: East Ridge and Woodbury High Schools

Course codes: AP0083, AP0084, AP0085

AP Precalculus prepares students for other college-level mathematics and science courses. Units covered include: (1) Polynomial and Rational Functions, (2) Exponential and Logarithmic Functions, (3) Trigonometric and Polar Functions, and (4) Functions Involving Parameters, Vectors, and Matrices. Students study each function type through their graphical, numerical, verbal, and analytical representations and their applications in a variety of contexts. Furthermore, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets.

WGT AP Statistics

3 trimesters, 3 credits

Recommended: Completion of Algebra 2

Course codes: AP0010, AP0011, AP0012

Online WGT AP Statistics

3 trimesters, 3 credits

Recommended: Completion of Algebra 2

Course codes: OLAP10, OLAP11, OLAP12



This Advanced Placement course gives you the equivalent of your first semester of college statistics. You will be introduced to statistics in this non-calculus-based course. Learn four broad conceptual themes: exploring data, planning a study, producing models using probability simulation and using statistical inferences. *Materials: TI-83, TI-84, or other calculator with statistical capabilities.

WGT AP Calculus AB

3 trimesters, 3 credits

Recommended: None

Available at: East Ridge, Park and Woodbury High Schools

Course codes: AP0077, AP0078, AP0079

Online WGT AP Calculus AB



3 trimesters, 3 credits

Recommended: None

Course codes: OLAP77, OLAP78, OLAP79

This Advanced Placement course gives you the equivalent of your first semester of college calculus. You will concentrate on analytic geometry, limits, the derivative, differentiation and the applications of the derivative, the integral, numerical integration, derivatives and integrals of transcendental functions, and the application of integration.

WGT AP Calculus BC

3 trimesters, 3 credits

Recommended: None

Available at: East Ridge and Woodbury High Schools Course codes: AP0080, AP0081, AP0082

Online WGT AP Calculus BC

3 trimesters, 3 credits

Recommended: None

Course codes: OLAP80, OLAP81, OLAP82



This Advanced Placement course addresses second semester college calculus. You will learn advanced integration techniques with an emphasis on application, and you will work on series and sequences.

WGT IB Math Applications and Interpretation Standard Level (SL) Year 1

3 trimesters, 3 credits

Recommended: Completion of Algebra 2 or IB Prep Algebra 2

Available at: Park High School

Course codes: IB0073, IB0074, IB0075

This course is for students who are interested in developing their mathematics for describing our world, modeling, and solving practical problems using the power of technology. Students who take Math: Applications will be those who enjoy mathematics best when seen in a practical context. Students will enter the course with successful completion of Intermediate Algebra I, Geometry and Algebra II. Students will complete the project and take practice exams in preparation for the IB exam in May of senior year. The following topics will be covered over the course of year one and year two: Number and Algebra, Functions, Geometry and Trigonometry, Statistics and Probability and Calculus. This is the first part of a two-year course sequence. This course will prepare students to write their internal assessment and complete the IB exams in their second year.

WGT IB Math Applications and Interpretation Standard Level (SL) Year 2

3 trimesters, 3 credits

Recommended: Completion of Precalculus or IB Interpretation SL I

Available at: Park High School

Course codes: IB0201, IB0202, IB0203

This course is the second in the series of Math Applications and Interpretation. The

course is for students who are interested in developing their mathematics for describing our world, modeling and solving practical problems using the power of technology. Students who take Math: Applications will be those who enjoy mathematics best when seen in a practical context. Students will enter the course with successful completion of Intermediate Algebra I, Geometry and Algebra II. Students will complete the project and take practice exams in preparation for the IB exam in May of senior year. The following topics will be covered over the course of year one and year two: Number and Algebra, Functions, Geometry and Trigonometry, Statistics and Probability and Calculus. This is the second part of a two-year course sequence. At the culmination of this course, students will write their internal assessment and complete the IB exams in the spring of this second year.

WGT IB Analysis SL/HL

3 trimesters, 3 credits

Recommended: AP Calculus AB

Available at: Park High School

Course codes: IB0211, IB0212, IB0213



This course continues into areas of Calculus such as advanced integration techniques, series and sequences and how they relate to the Taylor Polynomial. Derivatives and Integrals of parametric and polar equations will also be covered. Students will also cover the calculus of probability, vectors, proofs by induction and statistics. An IB (IA) assessment will be completed in this course. Students will be prepared to take the IB HL exam, IB SL exam and the AP Calculus BC exam.

College in the Schools: CIS Algebra through Modeling

3 trimesters, 3 credits

Recommended: Algebra II with a C+ or higher or instructor approval

Course for students in grades 11-12

Available at: East Ridge and Woodbury High School

Course codes: CIS049, CIS050, CIS051

Students are introduced to the art of mathematical prediction through algebraic modeling and elementary probability theory. The course 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 course 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. There are several modeling assignments throughout the semester in which students develop mathematical strategies for solving realistic problems. This course is appropriate for students who are committed to pursuing college majors or careers in math or science, but are unsure of their math, writing or science skills. It is also appropriate for students who are certain that they do not want to pursue college majors or careers in math or science.

*Possible University of Minnesota credit is available.

Music

Band

3 trimesters, 3 credits

Recommended: Formal audition with Director

Course codes: MU0018, MU0019, MU0020

The band program provides students with a meaningful, enjoyable and rewarding musical experience of the highest quality. Our musicians accomplish this through musical growth, dedication, student leadership, loyalty and service learning. We represent our high school and the community as ambassadors of excellence, pride, respect and class. After registration, band members will be placed into an ensemble at the director's discretion. Placement is based on the student's performing ability and the instrumentation needs of each ensemble. Students may be placed in one of three Bands: Band, Intermediate Band and Advanced Band.

Orchestra

3 trimesters, 3 credits

Recommended: Formal audition with Director

Course codes: MU0000, MU0001, MU0002

The high school orchestra program provides an opportunity for students to continue their study of a string instrument throughout high school. The program provides its members an opportunity to represent the school and community through a variety of performance opportunities throughout the year. Students registering for orchestra must have previous experience playing a stringed instrument (violin/viola/cello/ upright bass). After registration, orchestra members will be placed in an ensemble based upon student ability/experience and the ensemble's instrumentation needs, as determined by the director. The group is dedicated to the study, preparation and performance of music from a variety of musical time periods as well as a survey of music theory and music theory as it relates to the repertoire performed in class. Students perform four major concerts and participate in multiple festivals and contests throughout the year. Additional opportunities include Chamber Orchestra, All State Orchestra, Honor Orchestras, Solo/Ensemble Contest, Large Group Contest and small ensemble performances. Students may be placed in one of three Orchestras: Sinfonia Orchestra, Concert Orchestra, and Philharmonic Orchestra.

Bass Clef Choir

3 trimesters, 3 credits

Recommended: None

Course codes: MU0064, MU0065, MU0066

In Bass Clef Choir, you will develop vocal technique, tone quality, the ability to sight-read, skills in ear training and work together to meet common goals. Members of this choir meet Minnesota Arts Standards through the study and performance of quality vocal literature from various genres, styles, periods and languages. Choir members are required to attend all performances and special rehearsals. All incoming 9th grade students with changing or changed tenor or bass voices should register for Bass Clef Choir.

Treble Choir

3 trimesters, 3 credits

Recommended: None

Course codes: MU0067, MU0068, MU0069

In Treble Choir, you will develop vocal technique, tone quality, the ability to sight-read, skills in ear training and working together to meet common goals. Members of this choir meet the Minnesota Arts Standards through the study and performance of quality vocal literature from various genres, styles, periods and languages. Choir members are required to attend all performances and special rehearsals. All incoming 9th grade students with soprano and alto voices should register for this choir.

Advanced Treble Choir

3 trimesters, 3 credits

Recommended: Course for grades 10, 11 or 12. Audition.

Course codes: MU0070, MU0071, MU0072

Our Advanced Treble choir members demonstrate musical independence and training, the ability to sing in tune, and a strong work ethic. As a member of this select choir, you will work with members combining your musical talents. Perform the finest music from many genres using moderately difficult SA, SSA and SSAA arrangements. Throughout the year, we will study literature from all genres: classical, spirituals, folk and pop choral music. Emphasis is placed on voice-building, ear training and sight-reading. Attendance at all performances and rehearsals is mandatory.

Intermediate Mixed Choir

3 trimesters, 3 credits

Recommended: None

Course codes: MU0033, MU0034, MU0035

This choir is a non-auditioned choir composed of sophomores, juniors and seniors who are developing musical independence, the ability to sing in tune, the ability to sight-read and a strong work ethic. Members of this choir meet the Minnesota Arts Standards through the study of performance of quality vocal literature from various genres, styles, periods and languages. Students in this choir may participate in MSHSL vocal events. Choir members are required to attend all performances and special rehearsals.

Advanced Mixed Choir

3 trimesters, 3 credits

Recommended: Course for grades 10, 11 or 12, Audition

Course codes: MU0036, MU0037, MU0038

Continue to advance your vocal technique in the auditioned Advanced Mixed Choir. Members of this choir have demonstrated and continue to demonstrate musical independence, the ability to sing in tune, the ability to sight-read and a strong work ethic. Members of this choir are required to work with more intensity and at a deeper level to prepare and perform more challenging material than in previous choirs. As a member of this select choir, students will work with fellow choir members to meet the Minnesota Arts Standards through the practice and performance of advanced SATB literature from many genres, styles, periods and languages. Students may participate in MSHSL and SEC vocal events. Choir members are required to attend all performances and all special

rehearsals.

WGT Online AP Music Theory

3 trimesters, 3 credits

Course codes: OLAP96, OLAP97, OLAP98

Recommended: grades 11 or 12



Have you ever wondered WHY music sounds good? Theory of music is all about breaking down music into its basic elements and exploring how they interact to create an artistic experience that is expressive and uniquely human. Through this course, you will deepen your understanding of the building blocks of music, gain insight into why music works the way it does, and even propose your own theories of how music works.

Online Writing Your Own Music

1 trimester, 1 credit

Course code: OLMU73

Recommended: grades 9-12



Explore today's music technology to create, record, produce, and publish your own music! Using just your Chromebook, you will learn how to use various music tools that are available online for sampling, mixing and recording. Create anything from a simple audio snippet to a full-blown movie score. No prior experience needed; all you need is a love of music!

WGT IB Music Standard Level (SL)

3 trimesters, 3 credits

Available at: Park High School

Recommended: Course for
grades 11 or 12

Course codes: IB0035, IB0036, IB0037

This course is designed for students wishing to increase their understanding of music. Students enrolling in this course will take the IB Music Exam at the end of the course. To meet the academic standard of IB, students will be trained in music theory, music composition and music listening analysis. Students enrolling are encouraged to have had high school ensemble experience.

Not Department Specific Courses

Learning to Study Effectively

1 trimester, 1 credit

Recommended: None

Course code: EL0030



Discover how to apply notetaking, time management, effective text reading, test and assessment preparation, test-taking skills, research skills, etc. to your current classes! We

work to make these strategies part of your skill set so you can be an independent, lifelong learner. Gain skills in this one trimester class that will affect your educational studies and life beyond high school!

Independent Study

1 trimester, 1 credit

Recommended: Application and instructor approval

Course code: Depends on course subject

Independent Study provides the opportunity for a student to complete advanced study as an independent project beyond the classroom. The prospective student should be highly motivated and organized. The topic of study is the responsibility of the student and subject to approval of the supervising teacher. Courses are available in most departments. See your school counselor if you're interested.

Online Agriscience

1 trimester, 1 credit

Recommended: None

Course code: OLEL100



This foundational course offers students a comprehensive overview of agriscience, exploring the science and technology behind agriculture and its critical role in our society. Students will delve into various topics, including plant and animal biology, soil science, agricultural technology, and sustainable farming practices. Through hands-on activities, laboratory experiments, and field trips, learners will gain practical skills in areas such as crop management, animal husbandry, and environmental stewardship. The course emphasizes the importance of agriculture in addressing global challenges such as food security, climate change, and resource management. Students will engage in discussions about current issues in agribusiness, including the economic and ethical implications of agricultural practices. By the end of the course, students will have a solid understanding of the agriscience field and its relevance to their lives and communities, preparing them for further studies or careers in agriculture, environmental science, and related fields.

Online Agribusiness: Cultivating Innovation and Entrepreneurship

1 trimester, 1 credit

Recommended: None

Course code: OLEL97



Agribusiness is where agriculture meets innovation and entrepreneurship. In this course, students explore food and fiber production, resource management, and agricultural marketing through the lens of business creation. They'll learn how to identify opportunities, launch ag-based ventures, and analyze supply chains and global trade impacts. Students will design and pitch business and marketing plans, gaining experience in finance, branding, budgeting, and sustainability. Through projects, simulations, and case studies, learners develop critical thinking and leadership skills while mastering agricultural economics, technology, and

marketing strategies to succeed in today's evolving ag industry.

Online Ojibwe Language and Culture

1 trimester, 1 credit
Course code:OLEL98



This course introduces the basic skills of listening, speaking, reading and writing through thematically designed units and technology-based studies. Topics include the double vowel writing system, animals, reservations, family , daily and leisure activities. Learning the structure of the language enables students to move from memorization to creating with the language. In addition, students explore the culture, history, and geography of the Ojibwe-speaking societies.

Personal Finance

1 trimester, 1 credit
Graduation Requirement: Course for grade 11 or 12
Course code: EL0096

Online Personal Finance

1 trimester, 1 credit
Graduation Requirement: Course for grade 11 or 12
Course code: OLEL96



This course introduces students to essential personal finance concepts, empowering them to make informed financial decisions. Topics include financial psychology, budgeting, saving, financial institutions, credit and debt/risk management, investing, insurance, and wealth management. Emphasis is placed on developing lifelong money management skills and financial responsibility. Through real-life scenarios and practical projects, students learn how to manage income, create financial goals, and prepare for major life expenses. Whether preparing for college, entering the workforce, or planning for long-term goals, this course provides the foundation for a lifetime of smart financial choices.

*This course is taught in either the Business, Math, Social Studies or FACs and meets the graduation requirement.

Ethnic Studies

1 trimester, 1 credit
Course code: EL0101

This course examines the diverse experiences and perspectives that shape societies and cultures. Students will explore themes of individuality, community, and social systems, considering how these influence relationships and opportunities. *This course is under development and awaiting further guidance from Minnesota Department of Education*

WGT IB Computer Science Standard Level SL

3 trimesters, 3 credits

Available at: Park High School

Course code: IB0149, IB0150, IB0151

IB Computer Science is a three-trimester course focusing on problem solving with computers. The main ideas are software development, fundamentals of computer systems and the relationship between computer systems and society. Through these topics, students will use Java and obtain mastery of aspects such as encapsulation and inheritance. At the end of the course, students will create a Program Dossier to showcase their mastery of the content. Students in this course will be prepared to take the IB Computer Science SL exam.

Concurrent Enrollment Exploring Careers in Education

1 trimester, 1 credit

Recommended: Course for grades 11-12

Course code: EL0093

This course will provide students with the opportunity to identify and investigate issues of social justice in education and build skills of an educator through experiential learning in schools. Students will engage in hands-on, interactive exploration and investigation into the complex roles of race, culture, and identity in education. Potential for transferable college credit through Minnesota State University – Mankato. Students must rank in the top 50% of their graduating class, or have a cumulative GPA of 3.0, or have a composite score of 21 on the ACT. Juniors must rank in the top 33% of their graduating class, or have a cumulative GPA of 3.3, or have composite score of 24 on the ACT.

Career Exploration

1 trimester, 1 credit

Recommended: None

Course code: EL0092

“What do you want to be when you grow up?” Does this question haunt you? Save thousands of wasted dollars on a college major that may not be right for you! Avoid the pitfalls of so many young adults who continually change their college majors while they search for the right fit. Find out now about your hidden talents and use them to your advantage to choose and plan a career path that is right for you. You will research, explore, and evaluate your potential career choices by developing an action plan/portfolio to help you make plans for life after high school.

Careers in Coaching and Officiating

1 trimester, 1 credit

Recommended: None

Course code: EL0091

This course is designed to provide high school students with a comprehensive understanding of the dynamic and rewarding field of sports coaching and officiating. This course will prepare students for potential careers as coaches, sports officials, and sports administrators by equipping them with essential skills, knowledge, and practical experience in the world of sports leadership.

Physical Education and Health

General Physical Education

1 trimester, 1 credit

Recommended: None

Course codes: PE0008

Online General Physical Education

1 trimester, 1 credit

Recommended: None

Course codes: OLPE08



This course is a graduation requirement. We emphasize fitness, wellness, and skill development, and expose you to a variety of team, life and dual activities. This is an enjoyable class where students explore the health-related effects in a variety of activities: volleyball, Ultimate Frisbee, table tennis, badminton, softball, floor tennis, flag football, basketball, swimming, lacrosse, and floor hockey.

Embedded Health

Students will benefit by receiving comprehensive instruction in the areas of health and wellness in grades 9–12. The course material addresses time sensitive topics and provides essential health resources and up-to-date information. Topics covered are age appropriate and designed around critical periods of changes that occur. Students do not need to register for this course.

Example topics by grade level:

- Gr. 9: Physical, Mental, Social and Emotional Health and Wellness
- Gr. 10: Chemical Health and Nutrition
- Gr. 11: Decision Making, Goal Setting, and Reproductive Health
- Gr. 12: CPR/AED, Harassment/Bullying/Abuse/Violence, Sexual Consent and Relationships

Students are required to earn 1 credit in Health to graduate. Students will be credited with a P (passing) and .25 credits upon completion of their grade level lessons. Any student who receives an N (no grade) must complete their grade level lessons to earn a P (pass) and .25 credits for their grade level.

Online Health

1 trimester, 1 credit

Recommended: None

Course Code: OLPE15



One credit of health is a graduation requirement. For full time online students, this is the course you will need to fulfill this graduation requirement. Students will study a variety of health-related topics and learn the benefits of fitness. The student will gain a new awareness of his own fitness level and nutritional needs. The student will also learn how to adopt long-term, healthy habits and lifestyle changes to improve and inspire his overall state of well being. This course will also teach the student how fitness can influence one's self image and will help him to understand the value of respecting his own body. The student will explore the dangers of alcohol and drug use and develop social strategies to avoid peer pressure. The student will also examine such things as eating disorders, prevention of injury, reproductive health, and first aid.

Unified General Physical Education

1 trimester, 1 credit

Recommended: None

Course code: PE0052

This class will include general education students selected through an application/recommendation process, and students from center-based high needs programs. The general education students will learn content while serving as positive role models and supporting their peers with disabilities. The courses allow for positive social interaction and social relationships to develop between students with and without disabilities, as well as provide a natural form of support in the classroom for students with disabilities. This physical education class may include units on skills in dance, yoga, individual and group games, and sports (including intramural and lifetime sports), and movement and motor education.

Individual Team and Recreational Sports

1 trimester, 1 credit

Recommended: None

Course code: PE0009

Here is an opportunity for you to participate in individual, dual sports and lifetime activities with students in your grade level. Participate in popular Minnesota sports that you can do throughout your life. Possible activities include badminton, volleyball, football, table tennis, pickleball, tennis, softball, water activities, cross country skiing, basketball, floor hockey, soccer and more.

Online Lifetime Movement

1 trimester, 1 credit

Recommended: grades 10-12

Course code: OLPE53



Lifetime Health Movement: This course will address the need for lifetime health, well-being, and access. In this course students will learn what resources are available to them within the community and surrounding area. Students will create a collection of health and physical activity resources available to them based on ability, finances, location, time, and interest.

Team Sports: Fall/Winter/Spring

1 trimester, 1 credit (take up to 3 trimesters for credit)

Recommended: None

Course codes: PE0027, PE0028, PE0029

Are you skilled, athletic and highly competitive? Show your participation and competition skills by demonstrating sportsmanship, respect, leadership and a positive attitude in activities such as, football, softball, soccer, volleyball, lacrosse, floor hockey, broomball, basketball, team handball, big base and Ultimate Frisbee.

Strength Training: Fall/Winter/Spring

1 trimester, 1 credit (take up to 3 trimesters for credit)

Recommended: None

Course codes: PE0046, PE0047, PE0048

Experience the realm of physical conditioning that weightlifting, flexibility, aerobic training and plyometrics develops. Each student receives a structured strength-training program. Our primary emphasis is to develop muscular strength and endurance. Other health related fitness components will be addressed.



Project Lead the Way (PLTW) – Biomedical

WGT PLTW: Principles of Biomedical Sciences

3 trimesters, 3 credits

Prerequisites: Students must also be enrolled in college preparatory math and science.

Available at: East Ridge High School

Course code: PLW010, PLW011, PLW012



Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course is designed for students in grades 9 or 10.

WGT PLTW: Human Body Systems

3 trimesters, 3 credits

Prerequisites: Principles of Biomedical Sciences. Students must also be enrolled in college preparatory math and science.

Available at: East Ridge High School

Course code: PLW013, PLW014, PLW015

Students examine the interactions of human body systems as they explore identity, power, movement, protection and homeostasis. Students design experiments, investigate the structures and functions of the human body and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is designed for students in grades 10-12.

WGT PLTW: Medical Interventions

3 trimesters, 3 credits

Prerequisites: Human Body Systems. Students must also be enrolled in college preparatory math and science.

Available at: East Ridge High School

Course codes: PLW016, PLW017, PLW018

Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. This course is designed for 11th or 12th grade students.

WGT PLTW: Biomedical Innovation

3 trimesters, 3 credits

Prerequisites: Medical Interventions. Students must also be enrolled in college preparatory math and science.

Available at East Ridge High School

Course codes: PLW037, PLW038, PLW039

Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals. This course is designed for 12th grade students.

Project Lead the Way (PLTW)



WGT PLTW: Introduction to Engineering Design

3 trimesters, 3 credits

Prerequisite: Students must also be enrolled in College Preparatory Math.

Available at: East Ridge

Course codes: PLW004, PLW005, PLW006

The major focus of Introduction to Engineering Design (IED) is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook and communicate their solutions to peers and members of the professional community.

WGT PLTW: Principles of Engineering

3 trimesters, 3 credits

Prerequisites: Students must also be enrolled in College Preparatory Math

Available at: East Ridge and Woodbury High School

Course codes: PLW007, PLW008, PLW009

This survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.

WGT PLTW: Civil Engineering & Architecture

3 trimesters, 3 credits

Prerequisite: Students must also be enrolled in College Preparatory Math

Available at: East Ridge High School

Course codes: PLW034, PLW035, PLW036

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is designed for students in grades 10-12.

WGT PLTW: Computer Integrated Manufacturing

3 trimesters, 3 credits

Prerequisite: Students must also be enrolled in College Preparatory Math

Available at: East Ridge High School

Course codes: PLW025, PLW026, PLW027

How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions, they're learning about the history of manufacturing, robotics and automation,

manufacturing processes, computer modeling, manufacturing equipment and flexible manufacturing systems. This course is designed for students in grades 10–12.

Did you know?

PLTW Computer Science engages students in true-to-life activities like creating an online art portal or developing problem-solving apps.

WGT PLTW: Computer Science Principles (AP Computer Science Principles)

3 trimesters, 3 credits

Prerequisite: Students must also be enrolled in College Preparatory Math

Available at: East Ridge High School

Course codes: PLW055, PLW056, PLW057

In this introductory course to computer science, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation. This course is endorsed by the College Board, giving students the opportunity to take the Advanced Placement (AP) Computer Science Principles exam for possible college credit, or may earn college credit through St. Cloud State University.

WGT PLTW: Computer Science A (AP Comp Sci. A)

3 trimesters, 3 credits

Available at: East Ridge High School

Course codes: PLW058, PLW059, PLW060

Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. This course is endorsed by the College Board, giving students the opportunity to take the Advanced Placement (AP) exam for possible college credit, or may earn college credit through St. Cloud State University.

WGT PLTW: Engineering Design and Development

3 trimesters, 3 credits

Prerequisite: Two PLTW courses completed to sign up for this course

Available at: East Ridge High School

Course codes: PLW028, PLW029, PLW030

In this Capstone course, students work in teams to design and develop an original solution to an open-ended technical problem by applying the engineering design process. Students perform research to choose, validate and justify a technical problem. After carefully defining the problem, teams design, build and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. This course is appropriate for students in grades 11 and 12.

WGT PLTW: Digital Electronics

3 trimesters, 3 credits

Prerequisite: Students must also be enrolled in College Preparatory Math.

Available at: East Ridge High School

Course codes: PLW031, PLW032, PLW033

Digital electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras and high definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation. This course is for students in grades 10–12.

Science

Pathways

Note: Pathways represent common course options and are not inclusive of all course offerings or pathway options. Pathways listed below begin with the Class of 2027. Talk with your school counselor to learn about other options.

East Ridge High School

	Grade 9	Grade 10	Grade 11	Grade 12
Pathway 1	Earth and Space Science	Biology	Chemistry	Physics
Pathway 2	Honors Earth and Space Science	Biology	Chemistry, Honors Chemistry, or Physics	Physics or AP Physics or AP Chemistry or AP Biology

Park High School

	Grade 9	Grade 10	Grade 11	Grade 12
Standard	Earth and Space Science	Biology	Chemistry or Physics	Chemistry or Physics (or any science course)
IB Biology Path	Earth and Space Science or Honors Earth and Space Science (recommended)	Chemistry, IB Chemistry or Physics	IB Biology 1	IB Biology 2
IB Chemistry Path	Earth and Space Science or Honors Earth and Space Science (recommended)	Biology, or IB Biology 1	IB Chemistry 1	IB Chemistry 2 Could also take IB Physics as elective

IB Physics/ SEHS Path	Earth and Space Science or Honors Earth and Space Science	Biology or IB Biology 1, Chemistry, or IB Chemistry 1	Physics (recommended for Physics path) Chemistry or IB Chem 1, IB Sports Exercise, Health Science (SEHS) Anatomy/Physiology	IB Physics (recommended for Physics path) IB Sports Exercise, Health Science (SEHS) Anatomy and Physiology IB Chem
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Woodbury High School

	Grade 9	Grade 10	Grade 11	Grade 12
Pathway 1	Earth and Space Science	Biology	Chemistry	Physics
Pathway 2	Honors Earth and Space Science	Biology	Chemistry or Honors Chemistry or Physics	Physics or AP Physics or AP Chemistry or AP Biology

Course Descriptions

Earth and Space Science

3 trimesters, 3 credits

Required for Grade 9

Course codes: SC0078, SC0079, SC0080

Online Earth and Space Science

3 trimesters, 3 credits

Required for Grade 9

Course codes: OLSC78, OLSC79, OLSC80



This course focuses on the processes and forces that shaped the Earth and how Earth fits into the solar system and universe. Models of the universe, solar system and astronomy will be examined. The Earth's structure, biosphere, hydrosphere, atmosphere, geography, geology, and weather will be explored alongside various cycles such as water, carbon, and nitrogen cycles. The effects and impact of human activity on Earth's systems will also be examined. The course will make use of phenomenon-based study, including the development of models and explanations, and will use mathematical thinking and analysis to construct explanations and design solutions to complex issues.

Honors Earth and Space Science

3 trimesters, 3 credits

Required for Grade 9

Course codes: SC0081, SC0082, SC0083

Honors Online Earth and Space Science

3 trimesters, 3 credits

Required for Grade 9

Course codes: OLSC81, OLSC82, OLSC83



This course includes all components of the grade level Earth and Space Science course (see description above). In addition, students will be asked to develop a deeper understanding of the topics, including extended explanatory writing and reading, more rigorous mathematical descriptions of the models developed, and larger, more in-depth laboratory investigations, with more robust narrative discussions. While grade level Earth and Space Science will incorporate crosscutting concepts that touch other science disciplines, such as biology, chemistry, physics, and engineering, the honors course will focus more explicitly on students' ability to express these connections both orally and in writing.

Biology

3 trimesters, 3 credits

Recommended: None

Course codes: SC0016, SC0017, SC0018

Online Biology

3 trimesters, 3 credits

Recommended: None

Course codes: OLSC16, OLSC17, OLSC18



Biology is the study of living things. This is a lab-based course that investigates the structure and function of living systems, interdependence among living systems, evolution in living systems and human interactions with living systems. Topics include biochemistry, cell processes, organ systems, molecular genetics, evolution by natural selection, ecology, bioengineering, disease and pollution. Students will take the MCA Science exam the year they enroll in this course.

WGT AP Biology

3 trimesters, 3 credits

Recommended: Biology and Chemistry

Available at: East Ridge and Woodbury High Schools

Course codes: AP0020, AP0021, AP0022

Online WGT AP Biology

3 trimesters, 3 credits

Recommended: Biology and Chemistry

Course codes: OLAP20, OLAP21, OLAP22



Plan for extensive outside class reading and study time in this course, which is an intensive examination of the underlying principles of biology. We emphasize laboratory design and proper reporting of data. Major topics include molecular and cellular biology, biological organisms and population biology. Take this course to prepare for the AP Biology exam and possibly earn college credit. SoWashCo Online AP Biology students will receive a lab kit that will be used to complete at least one hands-on activity per trimester. Students are responsible for the materials in the kit. The kit will be picked up at the beginning of the school year and specific items will be returned at the end of the school year.

WGT IB Biology 1

3 trimesters, 3 credits

Recommended: Honors Earth and Space Science or Earth and Space Science

Available at: Park High School

Course codes: IB0170, IB0171, IB0172

The International Baccalaureate Biology course is a two-year class taken in the junior and senior years as a Standard Level (SL) or as a Higher Level (HL) course. IB Biology 1 is the first of the two years. It is designed to expand on the basic knowledge of biology and prepare students for further study of pure and applied science in higher education. The IB course is designed to help students develop the ability to critically analyze scientific literature and to develop manipulative and experimental skills necessary to perform college level scientific investigations. Topics include cellular biology, ecology, biochemistry, genetics and genetic engineering, evolution, and human health and physiology. An IB exam is taken at the end of IB Biology 2. Plan for outside reading and study.

WGT IB Biology 2

3 trimesters, 3 credits

Recommended: IB Biology 1 or permission of instructor

Available at: Park High School

Course codes: IB0173, IB0174, IB0175

The International Baccalaureate Biology course is a two-year class taken junior and senior years as a Standard Level (SL) or as a Higher Level (HL) course. IB Biology 2 expands on the topics studied in IB Biology 1 and continues to prepare each student for further study of pure and applied sciences in higher education. This IB course is designed to help students to develop the ability to critically analyze scientific literature and to develop manipulative and experimental skills necessary to perform college level scientific investigations. Topics include plant biology, nucleic acids, metabolism, cell respiration and photosynthesis, genetics, evolution, animal physiology, and neurobiology and behavior. An IB exam is taken at the end of IB Biology 2. Students designate which exam they plan to take, SL or HL. Students will be prepared for both. The IB Internal Assessment for this course includes formal lab reports and participation in the IB Group 4 Project. Plan for outside class reading and study.

Chemistry

3 trimesters, 3 credits

Recommended: Intermediate Algebra

Course codes: SC0040, SC0041, SC0042

Online Chemistry

3 trimesters, 3 credits

Recommended: Intermediate Algebra

Course codes: OLSC40, OLSC41, OLSC42



Chemistry is the study of matter and its properties. Students will investigate and quantitatively analyze the chemical and physical behavior of matter while learning how to make careful observations, seek out regularities and attempt to provide explanations for observed behavior. Topics include physical and mathematical modeling, atomic structure and periodicity, chemical bonding and nomenclature, quantitative analysis of chemical reactions, kinetic molecular theory, solution chemistry, equilibrium, acid base chemistry, and nuclear chemistry.

Honors Chemistry

3 trimesters, 3 credits

Recommended: Intermediate Algebra,
Geometry

Available at: East Ridge and Woodbury High School

Course codes: SC0084, SC0085, SC0086

Honors Chemistry is a course where students develop a deep conceptual understanding of matter and energy at the molecular level as they learn to explain their macroscopic observations using particulate-level reasoning. Attention to modeling strategic use of mathematics and emphasis on analytical reading, laboratory work and writing. This course provides a challenge for the highly motivated student who possesses a well above average mathematical background and is considering a mathematics or science related college major. This course will prepare students for college level chemistry.

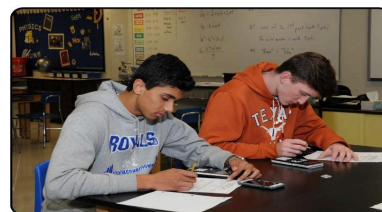
WGT AP Chemistry

3 trimesters, 3 credits

Recommended: Chemistry, Algebra II

Available at: East Ridge and Woodbury High School

Course codes: AP0023, AP0024, AP0025



Online WGT AP Chemistry

3 trimesters, 3 credits

Recommended: Chemistry, Algebra II

Course codes: OLAP23, OLAP24, OLAP25



The physical and chemical properties of common chemical compounds are investigated in the laboratory. Special emphasis is placed on thermochemistry, acids and bases, redox reactions, chemical equilibrium, precipitation equilibrium, reaction spontaneity, electrochemistry, and the nomenclature and structure of compounds and reactions. Laboratory experiences are provided to meet the guidelines set by the College Board.

WGT IB Chemistry 1

3 trimesters, 3 credits

Required: Have passed or enrolled in Algebra II

Available at: Park High School

Course codes: IB0106, IB0107, IB0108

The International Baccalaureate Chemistry course is a two-year class taken in the junior and senior years as a Standard Level (SL) or as a Higher Level (HL) course. IB Chemistry 1 is the first of the two years. It is designed to expand on basic knowledge of chemistry and prepare students for further study of pure and applied sciences in higher education. It will also help students to develop the ability to critically analyze scientific literature and to develop manipulative and experimental skills necessary to perform college level scientific investigations. Topics include Stoichiometry, Atomic Theory, Chemical Bonding, States of Matter, Carbon Chemistry and the Periodic Table. An IB exam is taken at the end of IB Chemistry 2. Students designate which exam they plan to take, SL or HL. Students will be prepared for both exams, as well as the AP Chemistry exam. The IB Internal Assessment for this course includes formal lab reports and participation in the IB Group 4 Project. Summer assignments may be required. *Possible College credit available through University of Minnesota Duluth.

WGT IB Chemistry 2

3 trimesters, 3 credits

Required: IB Chemistry 1 or permission of instructor

Available at: Park High School

Course codes: IB0109, IB0110, IB0111

The International Baccalaureate Chemistry course is a two-year class taken in the junior and senior years as a Standard Level (SL) or as a Higher Level (HL) course. IB Chemistry 1 is the first of the two years. It is designed to expand on basic knowledge of chemistry and prepare students for further study of pure and applied sciences in higher education. It will also help students to develop the ability to critically analyze scientific literature and to develop manipulative and experimental skills necessary to perform college level scientific investigations. Topics include Stoichiometry, Atomic Theory, Chemical Bonding, States of Matter, Carbon Chemistry and the Periodic Table. An IB exam is taken at the end of IB Chemistry 2. Students designate which exam they plan to take, SL or HL. Students will be prepared for both exams, as well as the AP Chemistry exam. The IB Internal Assessment for this course includes formal lab reports and participation in the IB Group 4 Project. Summer assignments may be required.

Physics

3 trimesters, 3 credits

Recommended: Geometry

Course codes: SC0050, SC0051, SC0052

Online Physics

3 trimesters, 3 credits

Recommended: Geometry



Course codes: OLSC50, OLSC51, OLSC52

Learn about the motion, forces, work, power, and energy we find around us. We use a quantitative treatment of motion, conservation laws, electricity, wave motion, sound, and light.

WGT AP Physics 1

3 trimesters, 3 credits

Recommended: Algebra II

Available at: East Ridge and Woodbury High School

Course codes: AP0047, AP0048, AP0049

Online WGT AP Physics 1

3 trimesters, 3 credits

Recommended: Algebra II

Course codes: OLAP47, OLAP48, OLAP49



This course is designed to be the equivalent of a first-semester college physics course. Students will gain in-depth knowledge about motion, forces, energy, momentum, and rotational motion, and fluids. Students will be prepared to take the AP Physics 1 exam at the end of the year.

WGT AP Physics 2

3 trimesters, 3 credits

Recommended: AP Physics 1 or General Physics

Available at: East Ridge

Course codes: AP0050, AP0051, AP0052

This course is designed to be the equivalent of a second-semester college physics course. Students will gain in-depth knowledge about fluid and thermodynamics, electricity, and magnetism, light and optics, waves, sound as well as atomic, nuclear and quantum physics. Students will be prepared to take the AP Physics 2 exam at the end of the year.

WGT IB Physics

3 trimesters, 3 credits

Recommended: Algebra II or instructor approval

Available at: Park High School

Course codes: IB0066, IB0067, IB0068

The college-level physics course is a preparation course structured for the serious science student. Topics covered in part A will include all areas of mechanics including motion, forces, work, power, energy, and conservation laws. Topics covered will include static and current electricity, magnetism, and magnetic induction. This course will prepare students for the IB Physics SL exam.

Anatomy and Physiology A

1 trimester, 1 credit

Prerequisite: Biology

Available at: Park and Woodbury High Schools

Course code: SC0056

This course introduces students to the anatomical terminology or language of the human body. It also focuses on the structure and function of the human body. If you have an interest in the health sciences (sports medicine, physical therapy, etc.) or a career in the medical field {nursing, medicine, medical technology, etc.}, or a general interest in life or health sciences, this course is for you!

Anatomy and Physiology B

1 trimester, 1 credit

Prerequisite: Anatomy and Physiology A

Available at: Park and Woodbury High Schools

Course code: SC0057

Human Anatomy and Physiology B explores the human body by dissecting a fetal pig or cat (required) to study different systems and their structures in the human body. If you have an interest in the health sciences (sports medicine, physical therapy, etc.) or a career in the medical field {nursing, medicine, medical technology, etc.}, or a general interest in life or health sciences, this course is for you!

Anatomy and Physiology C

1 trimester, 1 credit

Prerequisite: Anatomy and Physiology A

Available at: Park and Woodbury High Schools

Course code: SC0058

Human Anatomy and Physiology C completes the remaining human body systems structures and functions that are not studies in Anatomy and Physiology B. If you're anticipating a career in the health sciences (sports medicine, physical therapy, etc.), or in the medical field (nursing, medicine, medical technology, etc.), or a general interest in life and health science, this course will round out your knowledge of anatomy and physiology.

Environmental Science

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Available at: Woodbury High School

Course Code: SC0062

Examine the implications of natural and human-influenced changes on local, regional, and global environments and economics. We will explore the environmental and economic impact of personal and societal lifestyle choices and decision-making processes affecting these choices. Study local concerns and developments, and evaluate societal, economic, and environmental problems and decision-making processes.

Online Renewable Energy 1

1 trimester, 1 credit



Recommended: Course for grades 10 or 12
Course Code: OLSC91

Students will explore the principles and technologies behind renewable energy sources, such as solar, wind, hydro, geothermal, and biomass. Through experiments, group projects, and real-world case studies, students will examine the science, engineering, and environmental impacts of various renewable energy systems. Topics will include the basic physics of energy generation, the economic and policy frameworks that support renewable energy adoption, and the challenges of transitioning to a sustainable energy future. Students will also investigate local and global energy needs, the role of innovation in energy solutions, and the importance of conservation and efficiency. By the end of the course, students will be equipped with a comprehensive understanding of renewable energy technologies and their potential to address climate change and promote sustainability. This course is ideal for those interested in science, technology, engineering, and environmental issues, and it prepares students for further studies in related fields.

Online Renewable Energy 2

1 trimester, 1 credit

Recommended: Course for grades 10 or 12
Course Code: OLSC92



This advanced course builds upon the foundational concepts introduced in Renewable Energy 1, providing students with deeper technical knowledge and hands-on applications of emerging renewable technologies. Students will explore advanced systems and real-world design considerations across bioenergy, geothermal, and energy storage technologies, while engaging in problem-solving activities that simulate industry challenges.

Online Renewable Energy 3

1 trimester, 1 credit

Recommended: Course for grades 10 or 12
Course Code: OLSC93



This course offers a comprehensive exploration of the economic and policy dimensions of renewable energy, equipping students with a deeper understanding of the global energy landscape. Building on technical knowledge from prior courses, students will analyze the financial, regulatory, and geopolitical factors that shape renewable energy markets. Through case studies, debates, and real-world project simulations, students will evaluate how policy and economics drive the transition toward sustainable energy systems.

WGT Online AP Environmental Science

3 trimesters, 3 credits

Recommended: Course for grade 12



Course Codes: OLAP86, OLAP87, OLAP88

Students examine the interrelationships of the natural world by exploring concepts that include; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability. Recommended that students have two years of high school laboratory science—one year of life science and one year of physical science (e.g., a year of biology and a year of chemistry). Due to the quantitative analysis required in the course, students should also have taken at least one year of algebra.

SoWashCo Online AP Environmental Science students will receive a lab kit that will be used to complete at least one hands-on activity per trimester. Students are responsible for the materials in the kit. The kit will be picked up at the beginning of the school year and specific items will be returned at the end of the school year.

WGT IB Sports Exercise and Health Science

3 trimesters, 3 credits

Recommended: Biology A, B & C, and grades 11 or 12 Available at: Park High School

Course codes: IB0258, IB0259, IB0260

IB Sports, Exercise and Health Science SL involves the study of the science that underpins physical performance and provides the opportunity to apply these principles. It incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and option topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context. It is the expectation that students take the IB exam.

Social Studies

Human Geography

2 trimesters, 2 credits

Recommended: Course for grade 9

Course codes: SO0010, SO0011

Online Human Geography

2 trimesters, 2 credits

Recommended: Course for grade 9

Course codes: OLSO10, OLSO11



Human Geography is a two-term course that introduces students to the thematic study of the world's people and issues from a global perspective. Students will employ geospatial skills to compare and contrast places and regions and examine human systems and their relationships to the environment. Coursework will focus on themes such as population,

culture, geopolitics, economic development, urbanization, and natural resources. In addition, classroom discussions will also include a continuing study of global and local current events.

WGT AP Human Geography

3 trimesters, 3 credits

Recommended: Course for Grade 9

Course code: AP0029, AP0030, AP0031

Online WGT AP Human Geography

3 trimesters, 3 credits

Recommended: Course for Grade 9

Course code: OLAP29, OLAP30, OLAP31



Examine the human experience on Earth at both the macro and micro- geographic levels in this rigorous, college-level course. Evaluate the impact humans have on the landscape—both physically and culturally. Use a spatial approach to interpret human impact, focusing on the interaction between various groups of people, between human and environment, and the consequences and contributions of humans on Earth. Topics include location, population, migration, culture, language, religion, ethnicity, political geography, economic development, industry agriculture and urban geography. We will prepare for the AP Human Geography exam given in May by the College Board.

World History

3 trimesters, 3 credits

Recommended: Course for grade 10

Course codes: SO0013, SO0014, SO0015

Online World History

3 trimesters, 3 credits

Recommended: Course for grade 10

Course codes: OLSO13, OLSO14, OLSO15



This course offers an engaging exploration of global history, providing students with a comprehensive understanding of key historical events, societies, and cultures. The course is designed to help students appreciate the rich tapestry of human history and the global forces that have shaped the world we live in today. Students will journey through various historical periods, examining the social, political, economic, and cultural developments that have influenced human history, equipping students with essential historical knowledge and analytical skills, and helping them make sense of our global society.

WGT AP World History

3 trimesters, 3 credits
Recommended: Course for grade 10
Course codes: AP0032, AP0033, AP0034

Online WGT AP World History

3 trimesters, 3 credits
Recommended: Course for grade 10
Course codes: OLAP32, OLAP33, OLAP34



Advanced Placement (AP) World History is designed to provide 10th grade students with a comprehensive understanding of global history from the 13th century to present day. This course delves into the social, political, economic, and cultural developments that have shaped the world we live in today. Students will explore key themes and historical events, examining the interconnectedness of societies, economies, and cultures across continents. Students who successfully complete the course will be well-prepared for the AP exam in May, and equipped with a broad understanding and deeper appreciation for the global human experience.

United States History

3 trimesters, 3 credits
Recommended: Course for grade 11
Course codes: SO0022, SO0023, SO0024

Online United States History

3 trimesters, 3 credits
Recommended: Course for grade 11
Course codes: OLSO22, OLSO23, OLSO24



Review the highlights of American History, including the study of the Pre-Columbian events, the colonial period, the Revolution and events leading up to it, and the American Civil War and its causes and reconstruction. Study western expansion, America's industrial foundations, America's involvement in World War I, the 1920s and the causes of the Great Depression. We'll cover World War II, the advent of the nuclear age, the Cold War and other events that lead our country to the world stage as a modern superpower. You will investigate recent social and economic trends that have shaped the society in which we live today and our nation's role in the world's search for stability and peace.

WGT AP United States History

3 trimesters, 3 credits
Recommended: Course for grade 11
Available at: East Ridge and Woodbury High School
Course codes: AP0035, AP0036, AP0037



Online WGT AP United States History

3 trimesters, 3 credits

Recommended: Course for grade 11

Course codes: OLAP35, OLAP36, OLAP37

Take a rigorous approach to American History with a faster pace and greater depth than the standard U.S. History course. We'll emphasize critical thinking and analytical techniques using a college textbook, along with a variety of outside readings and primary sources. Learn through research papers, book reviews, essay tests, oral presentations, role playing and group discussion. We will prepare for the AP U.S. History exam given by the College Board in the spring.

WGT IB History of the Americas Higher Level (HL YR 1)

3 trimesters, 3 credits

Recommended: AP World History

Available at: Park High School

Course codes: IB0060, IB0061, IB0062

The focus and purpose of the IB History of the Americas course is to examine the transformation of the Americas, from the initial European explorations into the Americas up to the present day. An emphasis is placed on interpreting documents, mastering a significant body of factual information and writing critical essays. Throughout the course, particular attention is placed on developing themes, concerning political, economic, cultural and social institutions within each time period studied. Students will gain an awareness of how American history has helped to shape the Western Hemisphere and reinforces our role in the international community.

U. S. Government and Politics

1 trimester, 1 credit

Recommended: Course for Grade 12

Course code: SO0050

Online U. S. Government and Politics

1 trimester, 1 credit

Recommended: Course for Grade 12

Course Code: OLSO50



Gain fundamental knowledge about the American government, the political process, citizenship, civics, and problems of democracy. Take a realistic appraisal of government and politics, and learn how to critically analyze and add to our American political community in a constructive way. This course fulfills the government credit required to graduate.

WGT AP United States Government and Politics

2 trimesters, 2 credits

Recommended: Course for Grade 12

Available at: Woodbury High School and East Ridge High School

Course codes: AP0043, AP0044

Online WGT AP U. S. Government and Politics

2 trimester, 2 credit

Recommended: Course for Grade 12

Course Code: OLAP43, OLAP44



Obtain factual knowledge and analytical skills to understand and engage critically with the issues and structures within the U. S. government. This course offers a scope of study equivalent to that obtained in most introductory college U. S. Government and Politics courses.

*This two-trimester course fulfills the government credit required to graduate.

College in the Schools: CIS Political Science

2 trimesters, 2 credits

Recommended: Course for grade 12

Available at: East Ridge High School and Park High School

Course code: CIS045, CIS046

This course is a college level introduction to politics and government in the United States, including constitutional origins and development, major institutions, parties, interest groups, elections, participation and public opinion. The ways of explaining politics and the nature of political science and recent trends will be explored.

*This is a University of Minnesota 4 credit course and fulfills the government credit required to graduate.

Economics

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0037

Online Economics

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLSO37



Understanding the principles taught in this course will enable you to interpret the financial pages, perceive the consequences of debt and have a basic knowledge of the workings of the U.S. Economy. We highlight the components of basic economic macro and micro principles and outline micro-economic principles associated with individual businesses and households including trade-offs and scarcity. The macroeconomics concepts we'll explore delve into the Federal Reserve System and issues associated with inflation, unemployment, and a worldwide economy.

*This class is taught in both Business and Social Studies and meets the grad requirement.

WGT AP Microeconomics

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: AP0045

Thoroughly understand the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. We place primary emphasis on the nature and functions of product markets. Study factor markets and the role of government in promoting greater efficiency and equity in the economy. You may choose to take both AP Microeconomics and AP Macroeconomics.

WGT AP Macroeconomics

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: AP0046

The purpose of this course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. We emphasize the national income and price-level determinations, and become familiar with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. You may take both AP Microeconomics and AP Macroeconomics. This course fulfills the graduation requirement for economics.

WGT IB 20th Century World History (HL YR 2)

3 trimesters, 3 credits

Required: IB History of the Americas HL Year 1

Available at: Park High School

Course codes: IB0063, IB0064, IB0065

20th Century World History explores four topics that have affected our contemporary world profoundly. These topics include causes, practices and effects of wars; the Cold War; authoritarian and single party states; and conflict and intervention. This course will challenge students while providing them the opportunity to explore and make sense of both the great diversity and interrelatedness of world history. Political, economic, religious, technological, and social issues will be considered, as well as cultural elements and themes when relevant. This course fulfills economics and government requirements.

WGT IB Economics Standard Level (SL)

3 trimesters, 3 credits

Recommended: IB History of the Americas or AP World History

Available at: Park High School

Course codes: IB0032, IB0033, IB0034

This course fully explores the main principles of macroeconomics with emphasis on how these principles apply across global economies. Study will include fundamental concepts

of supply and demand through a detailed examination of international commodities and their role in the global marketplace. Concepts of currency exchange and valuations, money supply, gross domestic product, inflation, trade, unemployment, game theory and purchasing power parity will be among the many topics discussed. Various hands-on simulations will be used to explain abstract concepts during the course of study. This course will prove to be challenging, enjoyable and applicable to current events around the globe. This course fulfills the graduation requirement for economics.

Criminology

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0045

Online Criminology

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLSO45



What is crime? Why do people commit crimes? How does criminal behavior impact society? Explore these questions and more in this exciting glimpse into the world of crime and the criminal mind. Gain an overview of the problems of crime and our society's social responses. Study the various forms of crime, types of criminals, theories of criminal behavior, and efforts of crime control, including police, forensics, corrections, and the courts.

Psychology A

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0040

Online Psychology A

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLSO40



This course focuses on the study of human behavior, including the science of psychology, motivation and emotion, principles of learning, human development, stress and health psychology, and disorders and treatment. Many self-assessments for personal awareness are included. Although not intended exclusively for the college-bound, learning these basic principles in psychology will be useful in many post-high school settings and occupations.

Psychology B

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0041

Online Psychology B

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLSO41



This course focuses on human behavior, including the biological basis for behavior, sensation and perception, state of consciousness, memory, cognition and language, intelligence and mental abilities, personality, and social psychology. Many self-assessments for personal awareness are included. Although not intended exclusively for the college-bound, learning these basic principles in psychology will be useful in many post-high school settings and occupations.

College in the Schools: CIS Psychology A, B

2 trimesters, 2 credits

Recommended: Biology grade of A or B*

Available at: East Ridge and Woodbury High School

Course code: CIS047, CIS048

College in the Schools Psychology 1001 A/B is an introduction to the scientific study of human behavior and a prerequisite for all other Psychology courses at the college level. This course explores how something as complex as human behavior can be studied scientifically: biological, social, and environmental influences on human behavior, predictable ways in which humans behave, reason, remember and feel, and ways in which humans differ.

*Class rank in the top 20% or instructor approval, previous coursework in high school psychology or high school biology, and an advanced reading score.

**This is a University of Minnesota 4 credit course.

WGT IB Psychology Standard Level SL

3 trimesters, 3 credits

Recommended: None

Available at: Park High School

Course codes: IB0167, IB0168, IB0169

Why do humans behave the way they do? Psychology is the systematic study of behavior and mental processes. The course examines the interaction of biological, cognitive, and sociocultural influences on human behavior. Knowledge of research methods, ethics and application of research are all important parts of the course. Additionally, students will gain an understanding of how psychological knowledge is generated, developed, and applied, this enables students to have a better understanding of themselves and appreciate the diversity of human behavior. Students will be prepared to complete the IB Psychology SL Exam. Students who complete the IB Psychology course are still required to take political science and economics.

Sociology

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0035

Online Sociology

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLSO35



The study of how people interact and influence each other's behavior: Focusing on such topics as culture, socialization, social interaction, deviance, and social stratification. Gain a deeper understanding of our society and the challenges we must face. Science and technology produce new possibilities and new problems, but an informed citizenry is the best judge of how to address these problems. With a society that is increasingly aware of culture and gender differences, citizens must deal with the major social issues and crises our differences create. Learn the basic concepts of culture and apply them to the social problems of our time.

The World Wars

1 trimester, 1 credit

Recommended: Course for grades 10, 11, 12

Course code: SO0044

Online The World Wars

1 trimester, 1 credit

Recommended: Course for grades 10, 11, 12

Course code: OLSO44



Study the two deadliest wars in human history. From the Assassination that began World War I to the Atomic Bomb that ended World War II; from General Pershing to General Patton; from Woodrow Wilson to Winston Churchill; from the Kaiser to der Fuhrer; from mustard gas to gas chambers; we will investigate the insanity and brutality, as well as the courage and heroism of these events. See how they relate directly to our world today and how the lessons of these conflicts can impact our personal lives as well.

African American History

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0086

This course will examine the history of people of African descent in the United States from 1619 up to the present. Topics will include the Atlantic Slave Trade, chattel slavery, abolition, reconstruction, the Jim Crow era, the Nadir period, the World Wars, the Civil Rights and Black Power Movements, the election of Barack Obama and current events. This course will use an interdisciplinary lens, using traditional historical sources, visual art, literature, music,

among others. This course will employ the scholarship of both male and female African American thinkers, writers, leaders and historians. This course will be geared towards juniors and seniors, based on the maturity needed to understand the concepts. This course will deepen the student's understanding of U.S. History using multiple perspectives.

Spanish Immersion Pathway

The high school immersion pathway includes two classes delivered in Spanish (grades 9–11) and a senior capstone course that follow the same state standards and graduation requirements for all SoWashCo Schools high school students. High school students will be able to take the rest of their graduation requirements in English within the course offerings of Woodbury High School.

Spanish Immersion Human Geography

3 trimesters, 3 credits

Recommended: Course for grade 9

Available at: Woodbury High School

Course codes: SI0155, SI0156, SI0157

This Spanish Immersion version of Human Geography will examine the human experience on Earth at both the macro and micro geographic levels. The class will focus on the interaction between various groups of people, between humans and the environment, and the consequences and contributions of humans on Earth. Topics include location, population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture and urban geography.

Spanish Immersion Language, Literature and Culture

3 trimesters, 3 credits

Recommended: Course for grade 9

Available at: Woodbury High School

Course Code: SI0140, SI0141, SI0142

This course explores the culture, language, history and literature of Spanish speaking countries through the study of novels, short stories, theater, poetry and current events. Review of grammar with specific emphasis on areas typically problematic for native speakers is included. Through reading and viewing modern texts and media, special attention is paid to oral and written language development across a number of Spanish language registers. This course focuses on the principles of writing and the development of basic composition skills. Writing assignments will also focus on expansion of vocabulary and syntax and learning techniques for revision.

Spanish Immersion World History

3 trimesters, 3 credits

Recommended: Course for grade 10

Available at: Woodbury High School

Course codes: SI0064, SI0065, SI0066

This Spanish Immersion version of World History is designed to develop knowledge of and

appreciation for the contributions of many cultures and the collective wisdom of humans. The ideas of Western and non-western civilization are studied as they have come to shape our present world.

Spanish Immersion Composition

3 trimesters, 3 credits

Recommended: Course for grade 10

Available at: Woodbury High School

Course codes: SI0061, SI0062, SI0063

This course is designed to increase proficiency in writing with a variety of text types such as: formal and informal letters, emails, brochures, pamphlets, reports, diaries, blogs, dialogues, presentations, essays, articles, interviews, police reports, short stories and critiques. Students will have opportunities to explore contemporary culture through a variety of texts (audio, visual and print). Units of study will center around aspects related to the following themes: social relationships, cultural diversity, global issues, health, means of communication, leisure, science and technology, and customs and traditions.

WGT AP Spanish Language & Culture, Service with WE

3 trimesters, 3 credits

Recommended: Course for grade 12

Available at: Woodbury High School

Course codes: AP0100, AP0101, AP0102

AP Service with WE is a continuation of AP Spanish Language & Culture for seniors in the Spanish Immersion program. It deepens exploration of units like Families & Communities, Global Challenges, Contemporary Life, and Science & Technology, focusing on topics not previously covered. Students will design a project or complete 50 hours of service centered on "Poverty in Education" or "Changes in the Natural Environment." The AP with WE Service program is free and enables students to apply classroom learning to real-world issues through service learning, enhancing their understanding of AP content and skills.

WGT AP Spanish Immersion Language and Culture

3 trimesters, 3 credits

Recommended: Course for grade 10

Available at: Woodbury High School

Course codes: AP0071, AP0072, AP0073

In addition to a focus on writing proficiency, this course emphasizes communication by applying interpersonal, interpretive, and presentational skills, the three foundational modes of AP communication, in real-life situations. The course develops student awareness and appreciation of cultural products, practices, and perspectives, from both contemporary and historical contexts. The course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness.

Spanish Immersion History of the Americas

3 trimesters, 3 credits

Recommended: Course for grade 11

Available at: Woodbury High School

Course codes: SI0073, SI0074, SI0075

This Spanish Immersion version of US History has been expanded to include examination of the transformation of the Americas (including North, Central and South America), from the initial European explorations into the Americas up to present day. Topics include Pre-Columbian events, the colonial period, the Revolution and events leading up to it, and the US Civil War and its causes and reconstruction, western expansion, industrial foundations, the United States involvement in World War I, the 1920s and the causes of the Great Depression, World War II, the advent of the nuclear age and the Cold War. Students will gain an awareness of how history has helped to shape the Western Hemisphere.

Spanish Immersion People, Cultures, and Language

3 trimesters, 3 credits

Recommended: Course for grade 12

Available at: Woodbury High School

Course codes: SI0076, SI0077, SI0078

This senior-level course serves as the culmination of four years in the Spanish Immersion program. Students will engage deeply with topics such as history, geography, art, language, and both surface-level and deep cultural elements of the Spanish-speaking world. Emphasis will also be placed on advanced grammar and spelling. The course is conducted five days a week to support consistent language development and immersion.

As part of the course, students will complete a final presentation project on a topic of personal interest, exploring its connection to the Spanish-speaking world. This project will be showcased during the Spanish Immersion graduation ceremony, alongside classmates who have completed capstone projects.

Spanish Immersion Literature and Analysis

3 trimesters, 3 credits

Recommended: Course for grade 11

Available at: Woodbury High School

Course codes: SI0070, SI0071, SI0072

This course emphasizes authentic communication in Spanish related to the various Spanish and Latin American literature. Students will read two works of authentic Spanish literature. A work of literature may include a novel, collection of poems or collection of short stories. Students will write a cohesive and coherent analytical or persuasive essay in reaction to a text or on a personal, academic or cultural issue, with control of grammar and syntax. The goal is to be able to convey meaningful messages following the appropriate norms of spoken language, including a sense of registers, settings and adequate vocabulary.

WGT AP Spanish Immersion Literature and Culture

3 trimesters, 3 credits

Recommended: Course for grade 11

Available at: Woodbury High School

Course codes: AP0074, AP0075, AP0076

This course emphasizes authentic communication in Spanish related to the various Spanish and Latin American literature. Students will read two works of authentic Spanish literature. A work of literature may include a novel, collection of poems or collection of short stories. Students will write a cohesive and coherent analytical or persuasive essay in reaction to a text or on a personal, academic or cultural issue, with control of grammar and syntax. The goal is to be able to convey meaningful messages following the appropriate norms of spoken language, including a sense of registers, settings and adequate vocabulary.

Trade and Industry

Did you know?

- Manufacturing accounts for the 2nd largest share of the state's gross domestic product (16 percent) and employs 319,000 workers.
- The transportation and warehousing sectors include almost 3,700 establishments and employ 71,243 people—up 20 percent between 2010 and 2017.
- Construction employment is up 10,300 jobs since the recessionary trough in May 2010.
- Informational Technology (IT) companies operate statewide across all industries and Minnesota is a growing hub for data centers, financial technology (fintech), and the Internet of Things (IoT).

Source: Minnesota Department of Employment and Economic Development (DEED)

Woods Construction and Finishing A

1 trimester, 1 credit

Recommended: None

Course code: TE0032

This is your opportunity to work safely in several areas of woodworking, cabinet and furniture making. Learn about various products and types of wood used within the industry, how to use hand and power tools safely, create a "wood" project and evaluate career information.

Woods Construction and Finishing B

1 trimester, 1 credit

Recommended: Woods Construction and Finishing A

Course code: TE0033

Students will learn how to use all the power saws in the wood shop. They will also learn detailed work with hand tools, including how to make dovetails by hand to make

furniture and/or cabinetry and boxes. Students will be able to work on a project or several projects of their choosing.

Furniture Manufacturing and Refinishing

1 trimester, 1 credit (take up to 3 trimesters for credit)

Recommended: Woods Construction and Finishing

Course code: TE0027, TE0028, TE0029

Incorporate the safe operation of all hand and power equipment while working in the shop. Build furniture or cabinets from drawings you create or use pre-printed plans. You'll be expected to demonstrate a high degree of design and workmanship in this advanced class. You must pay for the cost of your materials.

General Construction

1 trimester, 1 credit Recommended: None

Available at: Park High School, Woodbury High School

Course Code: TE0037

Students will learn to do their own minor construction, remodeling, and repair work. Projects include framing a small section of wall, running electric wire and plumbing, installing an electrical switch and outlet, drywall, mudding and sanding. Students will also learn how to repair holes and dents in drywall as well as some basic tile work and tile repair.

Web Graphics and Animation 1

1 trimester, 1 credit

Recommended: None

Course code: TE0035

Explore the artistic, technical and organizational aspects of digital video and animation technology. Demonstrate an understanding of story and script development, cameras, audio inputs, lighting, editing systems and computer-generated graphics. Projects include documentary, interview, studio production, digital video and multimedia presentation. Understand and apply the artistic process relating to digital video and animation production and create original digital video and animation projects. You must organize and plan your time outside of class to make effective use of production equipment and facilities.

*Possible College Credit: Available through Century College Articulation Program.

Metal Fabrication/Welding 1

1 trimester, 1 credit Recommended: None

Available at: Park High School

Course code: TE0038

This is a class to learn how various metals are made and the special characteristics of each. By learning how to read drawings and layouts, students will make products from metal after studying seams, fasteners, spot welding, forming tools and metal finishes. Introductory training on the metal lathe, drill press, milling machine and band saw will be given.

Metal Fabrication/Welding 2

1 trimester, 1 credit

Recommended: Metal Fabrication / Welding A

Available at: Park High School

Course code: TE0039

This is a course in learning how to weld or cut metal for fabrication and/ or repair. Gas welding, arc welding, heli-arc and wire-feed welding are taught. Additionally, gas cutting and grinding and sanding techniques are used.



Creative Design and Engineering A

1 trimester, 1 credit

Recommended: None

Available at: Park High School

Course code: TE0045

Students will learn to explore digital design and prototyping using the Inventors Space software and equipment. While exploring many interrelated career fields, students will use the state-of-the-art equipment to design, build and test a variety of small-scale projects. Students who take this course will be able to independently design and fabricate almost anything using industry-based software, technology and tools. The class is student-centered where learning takes place by doing, and where each student can pursue their own interests and passions. The course provides a hands-on introduction to the resources for designing and fabricating. Students will learn how to design on Adobe Illustrator, Corel Draw, Google Sketch up and TinkerCAD. Students will then learn how to create designs on a vinyl printer, 3-D printer, and laser engraver. Emphasis is placed on learning how to use the tools as well as understanding how they work. Students will collaborate and help each other in the process. All students will be both teachers and learners.

Creative Design and Engineering B

1 trimester, 1 credit

Recommended: None

Available at: Park High School

Course code TE0046

Students will build on the skills learned in Creative Design and Engineering A. Students will learn advanced tools on Adobe Illustrator, Corel Draw, and Google Sketch Up. Students will

also explore various CAD (Computer-Aided Design) programs and 3D printing software programs.

Key Topics Include:

- The engineering design process
- Design thinking and creativity techniques
- Importing Design in order to print on the Vinyl Printer, Laser Engraver and 3D Printer
- Use of CAD (Computer-Aided Design) software for modeling
- Use of 3D printing software for modeling
- Prototyping methods and materials
- User-centered design principles
- Evaluation and testing of designs

By the end of the course, students will complete a design project that uses a minimum of two programs or two machines. Students will demonstrate their ability to apply engineering principles and communicate their solutions effectively. This course is ideal for aspiring engineers and anyone interested in problem-solving through design.

Creative Design and Engineering:

1 trimester, 1 credit

Recommended: None

Available at: Park High School

Course Code: TE0047

This course is completely student-driven. Emphasis will be placed on creativity, critical thinking, and collaboration as students work in teams to develop innovative solutions to real-world challenges.

Key topics include:

- Overview of the engineering design process
- Design thinking and creativity techniques
- Use of CAD (Computer-Aided Design) software for modeling
- Prototyping methods and materials
- User-centered design principles
- Evaluation and testing of designs
- Project management and teamwork dynamics

- Service Learning Project

By the end of the course, students will complete multiple design projects individually and/or in groups. This course is ideal for aspiring engineers and anyone interested in problem-solving through design.

Automotive Classes at Woodbury High School

Automobile Mechanics A, B, and C below are sponsored and supported by a local dealership and provide industry standard coursework and certifications. The dealership partnership with the school provides unique career discovery, hands-on learning, and job opportunities.

Automobile Mechanics A

1 trimester, 1 credit

Recommended: Course for students in grades 10, 11 or 12

Available at: Woodbury High School

Course code: TE0019

Gain a comprehensive knowledge about automobiles, their design and repair. Classroom and hands-on lab activities focus on safety, design, diagnostics, troubleshooting and repairing many of the complex systems contained in today's automobile. These systems include the steering, suspension, electrical, fuel, emission, brake, cooling, heating and exhaust systems. Here's your chance to learn about basic automotive maintenance and repair.

Automobile Mechanics B

1 trimester, 1 credit

Recommended: Automobile Mechanics A

Available at: Woodbury High School

Course code: TE0020

Advance what you've learned in Automobile Mechanics A. Classroom and hands-on lab activities focus on safety, general service and repair, steering and suspension service, cooling system service, starting/ charging systems, engine performance testing and minor tune-ups.

Automobile Mechanics C

1 trimester, 1 credit

Recommended: Automobile Mechanics B

Available at: Woodbury High School

Course code: TE0021

This is the second advanced course in Automobile Mechanics. You'll use classroom and hands-on lab activities to learn about tune-ups, emission control, basic automotive electricity, computerized engine control, brake system troubleshooting, fuel systems and minor engine repairs.

Small Engine Technology A

1 trimester, 1 credit

Recommended: None

Course code: TE0017

Learn about the basic operation, maintenance and repair of small engines, including engine design concepts and the function of its major operating systems. Demonstrate your learning through written assignments, tests/quizzes and hands-on lab activities. We emphasize the relationship between small engines and car engines.

Small Engine Technology B

1 trimester, 1 credit

Recommended: Small Engine Technology A

Course code: TE0018

This course provides a more in-depth look and application of the operating systems of the small engine. Emphasis will be placed on using the knowledge and skills from the beginning of class and applying them to the diagnosis and repair of a small engine. Lab time will be spent diagnosing, testing and repairing small engines.

Robotics Tech 1

1 trimester, 1 credit

Recommended: None

Available at: East Ridge and Woodbury High School

Course code: TE0004

Be introduced to the basic concepts of Robotics by building and programming your own robot. Course information is tied to lab experiments! Work to build and program your own robot, developed by the FIRST Robotics organization. Explore the concepts of sensors, path planning, kinematics, feedback and feed forward control. You will have the opportunity to apply and synthesize knowledge regarding physics, technology, engineering and math, while meeting national STEM standards. A computer-based curriculum is utilized and assumes no previous robotics knowledge. Students work step-by-step through the interactive lessons using both computers and hands-on lab activities to build, program and test a "VEX" robot.

Robotics Tech 2

1 trimester, 1 credit

Recommended: Robotics Tech 1

Available at: East Ridge and Woodbury High School

Course code: TE0040

Robotics courses help students further develop and expand their skills and knowledge of robotics and related scientific and engineering topics. Topics in this course may include principles of mechanics, electronics, CAD, and programmable logic controllers. This course emphasizes the use of engineering principles to design and build robots, construct and connect sensors, and program robots in the programming language.

Robotics Tech 3

1 trimester, 1 credit

Recommended: Robotics Tech 2

Available at: Woodbury High School

Course code:TE0041

Advanced Robotics course that helps students master their skills and knowledge of robotics and related scientific and engineering topics. Course topics may include principles of mechanics, electronics, pneumatics, programmable logic controllers. This course will emphasize the use of engineering principles to design and build robots, construct, and connect sensors, and program robots in the programming language. Students will have the opportunity to further their CAD knowledge and 3D print parts for their robots. They may also include maintenance of robots and robotic systems.

WGT Online AP Computer Science A

3 trimesters, 3 credits

Recommended: None

Course codes: OLAP53, OLAP54, OLAP55



AP Computer Science A (AP CSA) is equivalent to a first-semester, college- level course in computer science, introducing students to software engineering and object-oriented programming and design using the Java programming language. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. It is recommended that a student in AP CSA has successfully completed a first- year high school algebra course.

Online WGT AP Computer Science Principles

3 trimesters, 3 credit

Recommended: None

Course code: OLAP56, OLAP57, OLAP58



AP Computer Science Principles (AP CSP) introduces students to the foundational concepts of the field and challenges them to explore how computing and technology can impact the world. SoWashCo Online uses the AP-endorsed Code.org curriculum that covers a broad range of topics, such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Students will create at least four apps and submit a personal project as part of the AP exam. Approximately 7-10 hours per week, varying by student and curriculum unit, will be needed to complete the AP CSP weekly assignments

World Language

American Sign Language

American Sign Language (ASL) is recognized as a world language and satisfies college and university language requirements for admission. ASL is a language separate and distinct from English and has its own grammar, syntax, and set of rules.

Students do not need to fly to another country to use the language, as American Sign Language is used across the United States and Canada. American Sign Language also qualifies for the Seal of Biliteracy.

American Sign Language & Deaf Culture 1

3 trimesters, 3 credits

Recommended: None

Available at: Park and Woodbury High School

Course codes: WL0052, WL0053, WL0054

This is the first course of a sequence in American Sign Language (ASL) and Deaf Culture. Students will learn basic communication, basic rules of grammar, sentence structure, fingerspelling, conversational behaviors, and various aspects of Deaf culture. Students will participate in receptive and expressive readiness activities to build conversational skills.

American Sign Language & Deaf Culture 2

3 trimesters, 3 credits

Recommended: American Sign Language & Deaf Culture 1

Available at: Park and Woodbury High School

Course codes: WL0055, WL0056, WL0057

An emphasis will be on increasing students' communication skills in American Sign Language (ASL). Receptive and expressive readiness activities, sign vocabulary, grammatical structure, receptive and expressive fingerspelling, and various aspects of the Deaf community are included. Students will also explore career options related to American Sign Language.

American Sign Language & Deaf Culture 3

3 trimesters, 3 credits

Recommended: American Sign Language & Deaf Culture 2

Available at: Park and Woodbury High School

Course codes: WL0058, WL0059, WL0060

This Advanced American Sign Language course emphasizes communication in American Sign Language (ASL). Class is conducted in ASL (no voicing) and students are expected to use only ASL in class. This course increases the emphasis on more challenging and abstract conversational behaviors, narrative skills and storytelling skills. Receptive and expressive readiness skills, sign vocabulary, grammatical structure, non-manual signs, receptive and expressive fingerspelling, and various aspects of Deaf culture and cultural behavior rules will be included in this course.

American Sign Language & Deaf Culture 4

3 trimesters, 3 credits

Recommended: American Sign Language & Deaf Culture 3

Available at: Park and Woodbury High School

Course codes: WL0061, WL0062, WL0063

This Advanced American Sign Language course emphasizes communication in American Sign Language (ASL). Class is conducted in ASL (no voicing) and students are expected to use only ASL in class. Our fourth level of ASL is the last stage in the intermediate sequence that began with ASL 3. This course moves you towards the more advanced, conversational ASL level.

Concurrent Enrollment American Sign Language 3

3 trimesters, 3 credits

Recommended: American Sign Language 2

Available at: Park and Woodbury High School

Course codes: WL0086, WL0087, WL0088

This course is equivalent to ASL 3. Students who meet the Minnesota State University-Mankato (MSU-Mankato) eligibility requirements may take this course via Concurrent Enrollment through MSU-Mankato. This Advanced American Sign Language course emphasizes communication in American Sign Language (ASL). Class is conducted in ASL (no voicing) and students are expected to use only ASL in class. Students will continue to learn to develop ASL skills by learning vocabulary and grammar from the assigned book and expanding their ASL and cultural knowledge through various projects. Additional information about Deaf culture and the Deaf community will be given in class and experienced through projects. Minnesota State University, Mankato provides the syllabus and exam. Contact your ASL teacher regarding eligibility requirements.

****This is a Minnesota State University, Mankato 3 credit course.**

Concurrent Enrollment American Sign Language 4

3 trimesters, 3 credits

Recommended: Concurrent American Sign Language 3

Available at: Park and Woodbury High School

Course codes: WL0089, WL0090, WL0091

This course is equivalent to ASL 4. Students who meet the Minnesota State University-Mankato (MSU-Mankato) eligibility requirements may take this course via Concurrent Enrollment through MSU-Mankato. This Advanced American Sign Language course emphasizes communication in American Sign Language (ASL). The class is conducted in ASL (no voicing) and students are expected to use only ASL in class. The fourth level of ASL is the last stage in the intermediate sequence that began with the ASL 3. This course moves you towards the more advanced, conversational ASL level with emphasis on conversational skills and storytelling as well as a continued expansion of knowledge of Deaf Culture and Deaf Community. Contact your ASL teacher regarding eligibility requirements.

****This is a Minnesota State University, Mankato 3 Credit course.**

French 1

3 trimesters, 3 credits

Recommended: None

Available at Park High School

Course codes: WL0001, WL0002, WL0003

Online French 1

3 trimesters, 3 credits

Recommended: None

Course codes: OLWL01, OLWL02, OLWL03



This course is an introduction to the language and culture of the French-speaking world. Learn to ask for and give information, and to describe situations in French. You will communicate in the following situations: meeting others, being at school, ordering in a restaurant, describing family and discussing pastimes. Develop French listening, speaking, reading and writing skills, and learn about French culture. We use songs, verb and vocabulary games, DVDs, CDs and computer and Internet activities to build your French skills.

French 2

3 trimesters, 3 credits

Recommended: French 1

Available at Park High School

Course codes: WL0004, WL0005, WL0006

Online French 2

3 trimesters, 3 credits

Recommended: French 1

Course codes: OLWL04, OLWL05, OLWL06



Continue developing your skills to listen, speak, read and write in French. Increase your ability to communicate by learning to speak about past events. Explore Paris, France, Quebec and French speaking countries in Africa. Communicate about clothing and food shopping, animals and holidays. Learn to speak about daily activities and how to give directions.

French 3

3 trimesters, 3 credits

Recommended: French 2

Available at Park High School

Course codes: WL0007, WL0008, WL0009

Online French 3

3 trimesters, 3 credits

Recommended: French 2

Course codes: OLWL07, OLWL08, OLOW09



Continue to listen, speak, read and write in French. Become proficient enough to use French in conversations and give original skits. Topics include movies, music, nature, health, fantasy and fairy tales. Communicate about the present, past and future, as well

as making polite requests.

Online French 4

3 trimesters, 3 credits

Recommended: French 3

Course codes: OLWL10, OLWL11, OLWL12



Increase your French communication skills by using more verb tenses and build upon the vocabulary and structures acquired in previous French courses. Learn about French school subjects, supplies, parks, sports, education, cafés, Carnival, international travel, passports, arts, France's workforce, working conditions and benefits. Expand your French knowledge through selected readings and special projects.

WGT AP Online French

3 trimesters, 3 credits

Recommended: French 3 or 4

Course codes: OLAP92, OLAP93, OLAP94



This communicative course places equal emphasis on high level speaking, reading, writing and listening skills through the study of AP themes and current events. Students will work toward a high level of proficiency and prepare for the AP exam.

WGT IB French Standard Level (SL)

3 trimesters, 3 credits

Recommended: French 3 or equivalent

Available at: Park High School

Course codes: IB0043, IB0044, IB0045

In this course students will begin to study grammar more closely within the context of exercises and readings, as well as master advanced grammatical structures. Prominent French literary works will be introduced, and students will also examine other authentic texts such as news-print and magazines. Students will have opportunities to explore contemporary culture through film, print, field trips and travel. This course will be taught primarily in French and students will be expected to use the language when communicating. The course prepares students to take the IB Standard Level Exam in French.

WGT IB French Higher Level (HL)

3 trimesters, 3 credits

Recommended: WGT IB French Standard Level (SL)

Available at: Park High School

Course codes: IB0052, IB0053, IB0054

Students will complete a review of structures introduced in lower levels. After completing this course, students should be able to listen, speak, read, and write on a variety of subjects at a level comprehensible to a native speaker. Study of the foreign culture is continued using authentic materials such as films, magazines, music, TV programs and literature. Assessments include oral presentations, written presentations, listening comprehension, reading comprehension and interpretation. Students will prepare for the Higher Level French IB Exam.

German 1

3 trimesters, 3 credits

Recommended: None

Available at: East Ridge High School

Course codes: WL0016, WL0017, WL0018

Online German 1

3 trimesters, 3 credits

Recommended: None

Course codes: OLWL16, OLWL17, OLWL18



Get an introduction to the language and culture of the German- speaking world. Learn how to ask for and give information, and how to describe situations in German. Communicate about school and the classroom, shopping and prices for food and clothing. Learn to greet others, discuss interests and activities, describe a room and people, and order at a restaurant. Develop skills to listen, speak, read and write in German, and increase your awareness of their culture.

German 2

3 trimesters, 3 credits

Recommended: German 1

Available at East

Ridge High School

Course codes: WL0019, WL0020, WL0021

Online German 2

3 trimesters, 3 credits

Recommended: German 1

Course codes: OLWL19, OLWL20, OLWL21



Review vocabulary and structures from German 1. Expand your communication skills to interact with native speakers, classmates and your German teacher in more situations. We study and practice the past tense extensively. Topics include the weather, helping at home, shopping, giving directions, going to movies and concerts, birthdays, and describing people and places.

German 3

3 trimesters, 3 credits
Recommended: German 2
Available at East Ridge High School
Course codes: WL0022, WL0023, WL0024

Online German 3

3 trimesters, 3 credits
Recommended: German 2
Course codes: OLWL22, OLWL23, OLWL24



Become proficient enough to use German with others in conversations. Learn new verb tenses. Write original skits and short compositions. Expand your writing and speaking skills. We use authentic German readings and will do some special projects.

College in the Schools: CIS German

3 trimesters, 3 credits
Recommended: German 3
Available at: East Ridge High School
Course codes: CIS039, CIS040, CIS041

This Intermediate University German course emphasizes communication in German. Class is conducted in German and students are expected to use German only in class. Students practice speaking and comprehending German and develop reading and writing skills based on materials from Germany and the German-speaking world. The course will include grammar review, composition and oral presentations. The University of Minnesota provides all materials and exams. More information is available at www.cce.umn.edu/cis.

*This is a University of Minnesota 5 credit course.

Online German 4

3 trimesters, 3 credits
Recommended: German 3
Course codes: OLWL25, OLWL26, OWL27

German 4 emphasizes the use of the language for active communication. Students will use vocabulary, grammar and syntax with a high degree of proficiency, understand spoken German in both formal and informal conversational situations, read articles and nontechnical writings, and express ideas orally and in writing accurately and fluently. Course content will reflect intellectual interests shared by the students and teacher.

Spanish 1

3 trimesters, 3 credits
Recommended: None
Course codes: WL0031, WL0032, WL0033

Online Spanish 1

3 trimesters, 3 credits

Recommended: None

Course codes: OLWL31, OLWL32, OLWL33



Get an introduction to the language and culture of the Spanish-speaking world, stressing the ability to ask for and give information, and to describe situations in Spanish. You will be able to communicate in the following situations: meeting others, at school, shopping for clothing and food, ordering in a restaurant, describing the family and home, and sporting events. Develop skills in listening, speaking, reading and writing in Spanish, and increase your awareness of Hispanic culture.

Spanish 2

3 trimesters, 3 credits

Recommended: Spanish 1

Course codes: WL0034, WL0035, WL0036

Online Spanish 2

3 trimesters, 3 credits

Recommended: Spanish 1

Course codes: OLWL34, OLWL35, OLWL36



Review and reinforce vocabulary and structures from Spanish 1. Learn and practice the past tense extensively. Become able to communicate with the doctor, at the beach, about summer and winter sports, at the movies and theater, for plane and train travel, and about daily routines. Explore more cultures from the Spanish-speaking world.

Spanish 3

3 trimesters, 3 credits

Recommended: Spanish 2

Course codes: WL0037, WL0038, WL0039

Online Spanish 3

3 trimesters, 3 credits

Recommended: Spanish 2

Course codes: OLWL37, OLWL38, OLWL39



Expand what you learned in Spanish 1 and 2. Become acquainted with more types of verb tenses and grammar topics. Learn more vocabulary topics including the environment, professions, technology, transportation, planning for the future, and literature.

Explore a variety of cultures from the Spanish-speaking world.

Spanish 4

3 trimesters, 3 credits

Recommended: Spanish 3

Course codes: WL0040, WL0041, WL0042

Online Spanish 4

3 trimesters, 3 credits

Recommended: Spanish 3

Course codes: OLWL40, OLWL41, OLWL42



Spanish 4 emphasizes the use of the language for active communication. Use vocabulary, grammar and syntax with increasing proficiency and understand spoken Spanish in both formal and conversational situations. Course content may reflect additional interests and special activities, such as the arts, current events, music, literature, and presentations in Spanish.

WGT AP Spanish

3 trimesters, 3 credits

Recommended: 11th or 12 grade

Course codes: AP0089, AP0090, AP0091

WGT Online AP Spanish

3 trimesters, 3 credits

Recommended: 11th or 12 grade

Course codes: OLAP89, OLAP90, OLAP91



The AP Spanish Language and Culture course allows students to use their developing language skills in new and authentic ways. Students encounter and analyze a variety of texts on a weekly basis in the form of songs, news items, literature, film, etc. and are invited to respond and reflect on their significance both personally and collectively. The course is designed around six curricular themes which provide a context around which language concepts can be explored. They are Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities and Beauty and Aesthetics. It provides students with opportunities to investigate Spanish-speaking cultures using the three modes of communication (interpersonal, interpretive, and presentational) in a variety of tasks, as described in the AP Curriculum Framework.

College in the Schools: CIS Spanish

3 trimesters, 3 credits

Recommended: Spanish 4 or instructor approval

Available at: East Ridge and Woodbury High School

Course codes: CIS042, CIS043, CIS044

This Intermediate University Spanish course emphasizes communication in Spanish. Class is conducted in Spanish and students are expected to speak only Spanish. Students will develop their speaking and comprehension through class discussions. Students will develop their production, including their writing, through grammar work, compositions and presentations. The University of Minnesota provides materials and exams, including almost all authentic works from around the Spanish-speaking world. More information is available at www.cce.umn.edu/cis.

*This is a University of Minnesota 10 credit course.

WGT IB Spanish Standard Level (SL)

3 trimesters, 3 credits

Recommended: Spanish 3 Available at: Park High School

Course codes: IB0040, IB0041, IB0042

In this course students will begin to study grammar more closely within the context of exercises and readings, as well as master advanced grammatical structures. Prominent Spanish and Hispanic literary works will be introduced, and students will also examine other authentic texts such as news-print and magazines. Students will have opportunities to explore contemporary culture through film, print, field trips and travel. This course will be taught primarily in Spanish and students will be expected to use the language when communicating. The course prepares students to take the IB Standard Level Exam in Spanish.

WGT IB Spanish Higher Level (HL)

3 trimesters, 3 credits

Recommended: IB Standard Level

Available at: Park High School

Course codes: IB0049, IB0050, IB0051

Students will complete a review of structures introduced in lower levels. After completing this course, students should be able to listen, speak, read and write on a variety of subjects at a level comprehensible to a native speaker. Study of the foreign culture is continued through the use of authentic materials such as films, magazines, music, TV programs and literature. Assessments include oral presentations, written presentations, listening comprehension, reading comprehension and interpretation. Students will prepare for the Higher Level Spanish IB Exam.



MISSION

The mission of SoWashCo Schools is to educate students for success

CORE VALUES

*Connections *Integrity *Equity *Excellence *Educational Innovation

STRATEGIC DIRECTIONS

*Student Experience *Mastery of Learning and Expectations
*Student Pathways and Supports
*Engagement and Partnerships *Operations, Staffing, and Finance

BE SEEN. BE HEARD. BE BOLD.

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