



South Washington County Schools
HIGH SCHOOL
COURSE GUIDE
2022-23



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
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Dear High School Students and Families,

Our district mission is to “ignite a passion for lifelong learning,” 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 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 be successful in the future.

Welcome to the 2022-23 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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Introduction

The Course Guide provides information to help you plan coursework for your high school career. Our Program of Studies 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 class. 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), 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, but grades in AP, CIS, PLTW and IB are weighted to recognize the increased challenge. Look for weighted courses in this guide with "WGT" in the course title.

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 courses have additional entrance criteria. Check the course listings for details.

SoWashCo Online



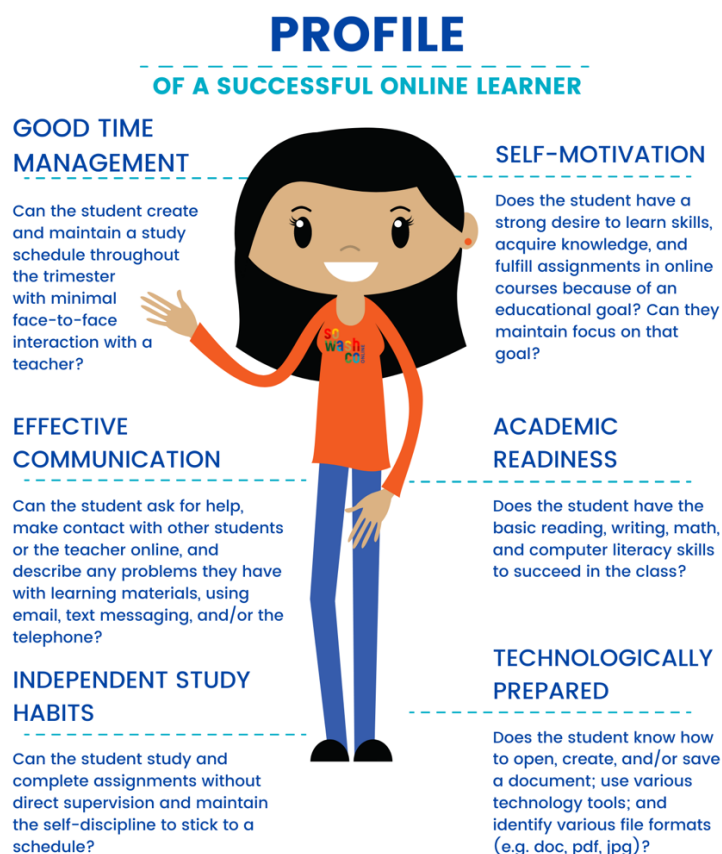
SoWashCo is proud to announce the opening of SoWashCo Online! Have you been interested in taking an online course that will look and feel different than distance learning did but will still provide the flexibility that distance learning offered? South Washington County Schools now offers over 50 online courses taught by our own high school teachers. See the Department pages for an explanation of each course and look for registration codes on your course registration worksheet. Online courses are in blue and marked with the SoWashCo Online logo throughout this course guide. Before you do, however, read more about SoWashCo Online below.

SoWashCo Online Goal

SoWashCo Online will provide students with the opportunity to work on their course(s) at a pace and in a place that matches their learning style and individual needs.

Profile of a Successful SoWashCo Student

Online learning is a great opportunity to build skills needed for college and the workplace, including time management, organization, and connection within and beyond the community. Take a look at the profile of a successful online learner:



Course Design

Each course is facilitated by our expert teachers and meets the rigorous curriculum guidelines and standards South Washington County Schools is known for. Taking online courses through SoWashCo

Online allows students flexibility in scheduling their courses and provides an opportunity to gain experience with online classes in a supportive environment. SoWashCo Online teachers will facilitate learning activities and offer opportunities to students to have one-on-one or small group support throughout the trimester.

Registering for a SoWashCo Online Course

Students and families will be required to complete the Online Learning Supplemental Notice of Student Registration. This document will be sent via email when the student registers for a course or courses and must be signed by a parent and/or guardian and returned to the district. Only one form needs to be completed yearly.

SoWashCo Online Learner Expectations

- Interact and engage with the course’s learning activities and/or communicate with your teacher frequently throughout each school week. Although you will have control over when and where you engage with your course, you are expected to make continual progress toward the learning goals and communicate with your teacher and classmates frequently.
- Communicate immediately with the teacher if you fall behind- you can expect that your teacher will help you create a plan to catch up!
- Respond to teacher communications by phone or email within 48 hours from the time sent by the teacher.
- Check “apps.district833.org” email and Schoology daily.
- Immediately notify the teacher of any technical difficulties within the course content or with the school-issued device.
- Advocate for yourself! You are in the driver’s seat and have control over your success in SoWashCo Online.
- During the hour of your online course, students are expected to be off-campus or in a learning space determined by your building. Please make sure that you work with your counselor to determine the right fit for your schedule and learning needs.

Attendance

What Is “attendance” in an online class?

Regular attendance is an important contributor to your success in online courses. To comply with state mandates for handling student aid, attendance is required. All SoWashCo Online courses will document attendance through the parameters outlined below.

You are considered present for your online class if you are engaging with course content at least once per week.

- Evidence of engagement will be identified and communicated in the course syllabus. Evidence could include, but is not limited to:
 - Participation in class discussion threads
 - Blogging
 - Summary of weekly progress on a project
 - Completed or partially completed assignments

Staying On Track

Most SoWashCo Online courses are designed to be primarily self-paced, however, the instructors may provide a recommended calendar and timeline to stay on track. Typically, we suggest spending about the same amount of time each week that the student would be in class, 5-7 hours, to stay on track with course work. Students can choose a time that works best for them during the day and week, allowing flexibility in their schedule.

In the event a student is not making regular progress, the teacher will:

- Contact the student directly to discuss requirements of making regular progress
- Contact the student's parents/guardians
- Contact the student's home school counselor
- Contact the student's home school administration

Grading and Credits

Grading will closely align with traditional SoWashCo Schools classrooms and have both formative and summative assessments.

Credits earned in all SoWashCo Online courses will appear on student transcripts as they are posted in this course guide. If you have any questions about online courses and NCAA eligibility or college admission requirements, please speak with your counselor.

Self-Advocacy and Communication

At SoWashCo Online, students, parents/guardians, teachers, and staff are a team, all focused on student success. We encourage you, the student, to practice self-advocacy- that is, to ask directly for what you need when you need it. You can expect timely responses (within 24 hours, excluding weekends) from all teachers and staff.

Please don't hesitate to call, text, message, or e-mail teachers and counselors to share your questions, concerns, accomplishments, or ideas about improving SoWashCo Online.

- **Your teacher** can most quickly resolve your concern about a specific course, for example, a broken link or assignment instruction that needs clarification.
- **Your counselor** is the best person to contact for issues such as class schedules, progress toward graduation, and post-secondary planning.

Orientation

Once registered for a SoWashCo Online course, students are expected to complete orientation within the first three weeks of their first SoWashCo Online course. This training should be completed **once per school year**.

Support Services

SoWashCo Online courses are designed and taught by experienced SoWashCo Schools teachers. Academic support is available by these experienced teachers either virtually or in-person (when arrangements are made with the teacher).

Students on a 504 Plan or IEP will continue to have case managers, who will work with teachers to ensure the online teacher is aware of the necessary accommodations as recommended by the planning team.

Curriculum

SoWashCo Online courses provide a highly personalized learning path that aims at empowering you to manage your time while providing a structure to keep you motivated and on track to complete the coursework.

Course curriculum includes modules or units. You have some flexibility in the completion of units/modules, but you are expected to meet the targeted deadlines. Because the coursework requires an ongoing effort, you will need to spend time working in Schoology on a regular basis.

As you navigate through the units/modules of the course, you will regularly engage with the instructor and other students. There are a variety of methods for instruction depending on the courses and their requirements, ranging from digital textbooks, video lessons, online simulations, tutorials, readings, discussion boards, real-world projects, and assessments.

You may be asked to seek out resources (library, school media center, teacher's classroom, etc) that may not be available online. Teachers will work collaboratively with students to secure any necessary resources.

A Special Note for Parents & Guardians of Online Students

Your involvement can play a big part in helping your student achieve success in their online courses. Parents/Guardians are encouraged to take an active role in learning about the activities that will be required for course completion. Course Instructors will welcome contact with you and be happy to discuss your student's progress in their courses, so don't hesitate to contact them if you have any questions. Specific things that you can do to help your student include:

- Review all registration and course information with your student.
- Help set up a good workspace and plan for where your student will work on their online course.
- Help your student set up a regular schedule for working on their assignments.
- Be aware of when synchronous support sessions are scheduled and help minimize schedule conflicts.
- Ask questions about how the class is going and what your student is working on.
- Contact the SoWashCo Online principal or course instructors if you have any questions.

Academic and Career Guide

The Academic and Career Guide is a comprehensive resource that can be used to plan for your future. The Academic and Career Guide helps students to:

- Discover their own interests
- Research career paths
- Explore courses and opportunities within SoWashCo Schools
- Plan and prepare coursework to align with their own unique interests and goals for the future

This guide can also be found on each counseling website, in Schoology. There are a limited number of print booklets available in the counseling departments at each high school.

View the Academic and Career Guide online at <http://www.flipcareerguide.com/books/zeul/>

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. Eleventh and 12th-grade students 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 of each year of their intent to enroll in postsecondary courses during the following 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 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 the 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.

Tenth-grade students 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 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 Political Science and 1 credit of Economics)	10
Math	9
Science (Biology, Chemistry and/or Physics)	9
Fine Arts (See chart below)	2
Health	1
General Physical Education	1
Electives	22
Total credits to graduate	66

Fine Arts Requirement

All students must earn **two Fine Arts credits** between grades 9-12 to **graduate**. All art and music courses satisfy this requirement. The courses below also meet this state requirement:

BUSINESS	FAMILY AND CONSUMER SCIENCE
<ul style="list-style-type: none"> Web Design and Animation Advanced Web Design 	<ul style="list-style-type: none"> Housing and Interior Design Fashion Design
THEATRE	
<ul style="list-style-type: none"> Advanced Acting and Directing Creative Dramatics and Acting Theatre Arts 	

Course Planning Worksheet

Freshman Year			
	Trimester 1	Trimester 2	Trimester 3
Zero Hour/ Summer			
1	English 9/Honors English 9	English 9/Honors English 9	English 9/Honors English 9
2	Math	Math	Math
3	Science *	Science *	Science *
4	Geography/ AP Human Geography	Geography/ AP Human Geography	Geography/ AP Human Geography
5	General Physical Education (Can be taken in grades 10-12)		
6			

Sophomore Year			
	Trimester 1	Trimester 2	Trimester 3
Zero Hour/ Summer			
1	English 10/Honors English 10	English 10/Honors English 10	English 10/Honors English 10
2	Math	Math	Math
3	Science *	Science *	Science *
4	World History/ AP World History	World History/ AP World History	World History/ AP World History
5			
6			




Junior Year			
	Trimester 1	Trimester 2	Trimester 3
Zero Hour/ Summer			
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)		
6			

Senior Year			
	Trimester 1	Trimester 2	Trimester 3
Zero Hour/ Summer			
1	English 12/AP Literature and Composition/IB English/CIS Writing Studio	English 12/AP Literature and Composition/IB English/CIS Writing Studio	English 12/AP Literature and Composition/IB English/CIS Writing Studio
2	Political Science/AP U.S. Government/IB History/ CIS Political Science	AP U.S. Government/IB History/CIS Political Science	Economics/AP Economics (if not taken in Grade 11)/ IB History
3			
4			
5			
6			



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



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

Academic Options and Supports

Options	Explanation	Advantages	Considerations
AP Advanced Placement 	<ul style="list-style-type: none"> College-level course taught in high school More rigorous coursework Offered through College Board 	<ul style="list-style-type: none"> May earn college credit Challenges students Weighted grading 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Students work towards college readiness Structured support during the day via the AVID Elective class Access to college visits and college student tutors 	<ul style="list-style-type: none"> Students must meet the AVID criteria. Students must have a desire to be in AVID. Students will experience a screening process.
Blended Learning 	<ul style="list-style-type: none"> Courses combine face-to-face instruction with digital learning experiences Face-to-face expectations between 2-3 days per week and online engagement 2-3 days per week 	<ul style="list-style-type: none"> Designed for students who desire or require scheduling flexibility and who possess the self-discipline skills needed to be successful with unstructured time 	<ul style="list-style-type: none"> Open to all students for designated courses only May require log-in times outside the parameters of the traditional school day
Career Internship	<ul style="list-style-type: none"> School-to-work transition for juniors and seniors Internships with local business A minimum number of work hours will be required 	<ul style="list-style-type: none"> Hands-on training of career objectives Grade/Credit received for time spent working 	<ul style="list-style-type: none"> Offered at ERHS and PHS Aimed towards students with identified career goals and employable skills Application required
Century College Articulation Program	<ul style="list-style-type: none"> Business, FACS, Technology Ed. courses designed with Century College 	<ul style="list-style-type: none"> May earn college credit through Century College Gain experience and knowledge for potential job/career 	<ul style="list-style-type: none"> Verify that credits will transfer to college of choice Provide articulated credit certificate to accepting colleges during registration

Options	Explanation	Advantages	Considerations
CIS College in the Schools	<ul style="list-style-type: none"> College curriculum (U of M) More rigorous coursework Taught in high school Offered to juniors/seniors 	<ul style="list-style-type: none"> May earn college credit Weighted grading Experience pace, academic standards and personal responsibility required for success in college 	<ul style="list-style-type: none"> Recommended for academically strong students Must earn C or better for college credit Available at ERHS and WHS
CE Concurrent Enrollment	<ul style="list-style-type: none"> College curriculum (Mankato State) More rigorous coursework Taught in high school Offered to juniors/seniors 	<ul style="list-style-type: none"> May earn college credit Weighted grading Experience pace, academic standards and personal responsibility required for success in college 	<ul style="list-style-type: none"> Recommended for academically strong students Must earn C or better for college credit Available at PHS and WHS
CLEP College Level Examination Proficiency	<ul style="list-style-type: none"> Demonstrate college-level achievement through exams in undergraduate coursework 	<ul style="list-style-type: none"> May earn college credit 	<ul style="list-style-type: none"> Recommended for academically strong students Visit www.collegeboard.com
EL English Language Services	<ul style="list-style-type: none"> English Language development program Using content to develop speaking, listening, reading and writing skills for non-English proficient or English Learners (ELs) 	<ul style="list-style-type: none"> Multilingualism is an asset Interpreters and translation services for families' home language Language-rich school learning environments Bilingual SEALS opportunity 	<ul style="list-style-type: none"> To receive services, students must be evaluated to determine their eligibility and need Students are evaluated based on the Home Language Questionnaire
Genesys Works	<ul style="list-style-type: none"> Internship program Provides pathways to career success for students through skills training, meaningful work experiences and impactful relationships 	<ul style="list-style-type: none"> Gain knowledge and skills required to achieve career success and a lifetime of economic self-sufficiency 	<ul style="list-style-type: none"> Contact the counseling office for more information Visit genesysworks.com
Great Rivers	<ul style="list-style-type: none"> High School Diploma Service Offered to students 17+ not enrolled in any other school GED Programming English Language Skills Transitions support 	<ul style="list-style-type: none"> May earn high school diploma, GED, career and college preparation, English Language Skills 	<ul style="list-style-type: none"> Independent learner In-class attendance required Pass/No Pass grading

Options	Explanation	Advantages	Considerations
Honors Mentor Connection	<ul style="list-style-type: none"> • Learning opportunity for highly motivated juniors and seniors • Students are prepared to work with mentor • Offered through NE Metro 916 	<ul style="list-style-type: none"> • Student works with mentor in an academic or industrial environment for hands-on learning 	<ul style="list-style-type: none"> • Recommended for highly motivated, academically strong students • Contact Counseling Office for more information
Independent Study Projects	<ul style="list-style-type: none"> • Design a study project in an academic area of interest • Study topic is student's responsibility 	<ul style="list-style-type: none"> • Provides greater opportunities for highly motivated students to progress beyond the standard course offerings 	<ul style="list-style-type: none"> • Recommended for highly motivated, academically strong students • Requires approval of supervising teacher
IB International Baccalaureate 	<ul style="list-style-type: none"> • Recognized internationally • College-level courses, more rigorous coursework • May complete IB Diploma • Writing/application focus 	<ul style="list-style-type: none"> • IB Diploma provides access to leading universities • Weighted grading • May earn college credit 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Offers courses for juniors and seniors to explore careers in business, health, public service, and technology 	<ul style="list-style-type: none"> • Integrates academic learning with technical education • District provides transportation to program 	<ul style="list-style-type: none"> • Application required • Get brochure from Counseling Office
PSEO Post-Secondary Enrollment Options	<ul style="list-style-type: none"> • MN juniors/ seniors 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 	<ul style="list-style-type: none"> • Earn college credit at any college where PSEO coursework is taken • PSEO credits may transfer 	<ul style="list-style-type: none"> • Must provide own transportation • Discuss option with your Counselor • PSEO grades are not weighted • Career and Technical Ed Course (may only enroll in one course)
Project Lead the Way Biomedical & Engineering 	<ul style="list-style-type: none"> • College-level course taught in high school • Requires above average reading, writing, math skills • Offered through Project Lead the Way 	<ul style="list-style-type: none"> • May earn college credit • Challenges students • Weighted grading 	<ul style="list-style-type: none"> • Must take Project Lead the Way test and get a score of 80% or higher for possible college credit • Offered at ERHS and WHS only

Options	Explanation	Advantages	Considerations
SoWashCo Alternative High School 	<ul style="list-style-type: none"> At-risk program for students who struggle at the traditional high school Open to students in grades 10-12 High School Diploma earned from home High School 	<ul style="list-style-type: none"> Small school environment Competency based evaluation of learning Small class sizes 	<ul style="list-style-type: none"> Must have parent, counselor, Administration approval Referral process for enrollment Attendance is required
SoWashCo Online 	<ul style="list-style-type: none"> SoWashCo Schools teachers provide online learning Provides schedule flexibility 	<ul style="list-style-type: none"> Students remain fully connected to South Washington Country Schools Face-to-face support is available, if need Students can enroll in as many online courses as they would like 	<ul style="list-style-type: none"> Register for SoWashCo Online courses through the general registration process
Special Education	<ul style="list-style-type: none"> Specially designed instruction and services to meet students' needs Students with hearing, vision, speech, physical, mobility, behavior or other learning disabilities may qualify 	<ul style="list-style-type: none"> Students who qualify will have an Individual Education Plan (IEP) developed that specifies their individual goals and accommodations/modifications 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Courses offered during the summer to provide additional learning opportunities 	<ul style="list-style-type: none"> Classroom and experiential hours Blocked classes 	<ul style="list-style-type: none"> Open to all students for designated courses only
Test Out of Course	<ul style="list-style-type: none"> Gain credit on a performance-based assessment Test represents content included in subject coursework 	<ul style="list-style-type: none"> Tests knowledge student already possesses Successful test-out gives student more schedule options 	<ul style="list-style-type: none"> Must pass test with B or better Cannot test out of a course currently enrolled in or previously taken Apply through Counseling Office
Zero Hour Program	<ul style="list-style-type: none"> A class period that takes before school starts 	<ul style="list-style-type: none"> Various courses are available 	<ul style="list-style-type: none"> Provide your own outside transportation

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). 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 (0.00) 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 Counseling and Career Center and return it to the counselor.
- B. We recommend that you consult directly with potential colleges regarding how a P/N grade may impact admission.
- 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 must be submitted by mid-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), College in the Schools (CIS) and Concurrent Enrollment have weighted grades using a 1.2 multiplier. The University of Minnesota Talented Youth Math Program (UMTYMP) weights grades at the university level before reporting the final grade to individual schools. 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.


Community Education

South Washington County Schools

Community Education offers programming to all ages. The objective is to strengthen the partnership between the schools and community while expanding the availability of school district facilities and resources.

Community Education is located at the **District Program Center:**
 8400 E. Point Douglas Road S., Cottage Grove, MN 55016.
 Office hours are Monday-Friday from 7:30 a.m. to 5 p.m.

For information, call 651-425-6600 or visit ce.sowashco.org.



Career and College Readiness

Career and College Readiness (CCR)

District 833 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.

Naviance

Naviance 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, send transcripts and more. See your school’s counseling webpage for how to access the Naviance Site. Student username is your student ID number. Password is the same as your district computer login password.

- [East Ridge Naviance Login](#)
- [Park Naviance Login](#)
- [Woodbury Naviance Login](#)

Transcript Requests through Naviance

South Washington County Schools handles student transcript requests electronically via individual school websites. Please follow the directions posted on these sites to obtain 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 Education

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 as 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	Bemidji, Metropolitan, Mankato, Moorhead, St. Cloud, Southwest, Winona	These colleges are often referred to as 4-year schools. They have specific admission requirements that go beyond high school graduation requirements. Your high school GPA, test scores and school/community involvement are used for admission.	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 Recommend students test in spring of Junior year

Type of School	Schools or Branches	Description	General Admission Requirements *Minimum requirements listed	College Entrance Exam
University of Minnesota	Twin Cities (main campus), Morris, Duluth *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. Your high school GPA, test scores and school/community involvement are used for admission.	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 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 grad requirements. Your high school GPA, test scores and school/community involvement is used for admission.	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 Recommend students test spring of Junior year
Private Colleges and Universities	Many throughout Minnesota, including: Augsburg, Bethel, St. John's, Concordia, Hamline, 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. Your high school GPA, test scores, essay, recommendations and school/community involvement are used for admission.	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 Recommend students test spring of Junior year

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. Unless noted otherwise, each course contains components of Aerospace Science, leadership education, and Physical Fitness and Personal Wellness. **The Aerospace Science component** is the “course name” and is described in the course listings below and makes up 40 percent of the class. There is a **Leadership Education (LE) component** that makes up an additional 40 percent of the class but is unique to the course. The physical fitness and personal wellness component is also an important part of the class and makes up the last 20 percent of the class. Uniform wear is required one day a week and students are provided uniforms at no cost.

The physical fitness and personal wellness component is also an important part of the class and makes up the last 20 percent of the class. The wellness program is an exercise program to help develop individualized training programs for cadets to lead a healthy lifestyle.

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.

AFJROTC students are provided with uniforms, at no cost. 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.

Zero Hour options may be available. Please contact your counselor if interested.

A Journey Into Aviation History

3 trimesters, 3 credits Recommended: None

Available at: Woodbury High School

Course codes: ARS005, ARS006, ARS007

This course covers aviation history and the development of flight throughout the centuries. Additionally, we review the role of military aviation throughout U.S. history.

ARS005: We start with the development of flight from ancient legends to the early days of flight. We study pioneers of flight who contributed to the later successes in the aviation field. We will discuss airpower up to and including World War II. Topics include the first successful flight of the Wright Brothers, air power in WW I, barnstormers and their contributions, and the development of commercial flight.

ARS006: Air Force and Air Power in WW II will be studied. We will continue to study the growth of commercial flight and how aircraft developed from the propeller era through the jet era. We look at the transformation of a modern Air Force through the Korean, Vietnam, and Persian Gulf wars and beyond.

ARS007: We will review the history of astronomical and space exploration to include the solar system and an introduction to early astronomers. We will also explore the development of the space program and the future of air and space power.

The following Leadership component is integrated into the Journey into Aviation History course: **LE100: Traditions, Wellness, and Foundations of Citizenship** which contain cadet and Air Force organizational structure; uniform wear; customs, courtesies and military traditions; self-control; citizenship, and unlocking your full potential.

Global and Cultural Studies

3 trimesters, 3 credits Recommended: None
Available at: Woodbury High School
Course codes: ARS014, ARS015, ARS016

In this course we learn about world cultures through the study of world affairs, regional studies and cultural awareness. Examine history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns and human rights. We will look at major events and significant figures that have shaped each region.

ARS014: Study the Environmental and Social Issues in Asia and the Middle East, including US interests in the region. Look at The Persian Gulf Wars, Islamic Fundamentalism and Terrorism, and Economical Development of Asian countries.

ARS015: Study the Environmental and Social Issues in Africa and Russia, including US interests in the region. Look at the Shadow of Western Colonialism, Leadership, and Health and Human Rights issues in Africa. We also investigate the Leadership, Economic Restructuring and World Relationships of Russia and its Republics.

ARS016: Study the Environmental and Social Issues in Europe and Latin America, including US interests in the region. Study Immigration, Terrorist Cells, Ethnic Strife and Religions of Europe. We also look at Economic Reform, Leadership, Poverty, Educational Limitations, Cartels and the Growing Drug Trade of Latin America.

The following Leadership component is integrated into the Global and Cultural Studies course: **LE 400: Principles of Management** provides exposure to the fundamentals of management. This course will equip students with the qualities needed to serve in leadership positions within the corps and after high school.

Did you know?

The Junior Reserve Officers' Training Corps (JROTC) is a Federal program sponsored by the United States Armed Forces in high schools across the United States. The program was originally created as part of the National Defense Act of 1916 and later expanded under the 1964 ROTC Vitalization Act.

Science of Flight

3 trimesters, 3 credits Recommended: None
Available at: Woodbury High School
Course codes: ARS011, ARS012, ARS013

This course is designed to acquaint students with the aerospace environment, the human requirements of flight, principles of aircraft and principles of navigation.

ARS011: The course begins with a discussion on the principles of flight and then continues with atmosphere and weather. After developing an understanding of environmental factors, their interrelated effect on flight is studied.

ARS012: The human body and aeronautics are studied with a focus on flight effects on the various physiological systems of the body to include the sensory, respiratory, circulatory, nervous and skeletal system.

ARS013: Topics of study include the elements of navigation and the function of navigational aids and flight instruments.

The following Leadership component is integrated into the Science of Flight course: **LE200: Communication, Awareness, and Leadership** stresses communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development.

Exploration of Space

3 trimesters, 3 credits Recommended: None
Available at: Woodbury High School
Course code: ARS008, ARS009, ARS010

In this course, students learn about astronomy and the exploration of space. We will get an in-depth study of the solar system including the moon, the planets, deep space, the latest advances in space technology and continuing challenges of space. We will look at manned spaceflight including issues that are critical to travel in the upper atmosphere as well as milestones in the exploration of space.

ARS008: We will investigate the vastness of the galaxy and the universe as understood during the age of Prehistoric and Classical Astronomy through to Modern Astronomy. We study the Solar System's structure which encompasses the sun, terrestrial planets and the outer planets, and continue into Deep Space including the Milky Way Galaxy and what lies beyond.

ARS009: We will investigate the challenges of exploring space and review the history and accomplishments of past and current space projects.

ARS010: We will finish by focusing on space technology including the evolution of rocket technology and robotics. Current and future commercial uses of space are also investigated.



The following Leadership component is integrated into the Journey into Aviation History course: **LE300: Life Skills and Career Opportunities** which investigates different paths to take after high school, including how to apply for admission to college, vocational or technical school. The job search, as well as a resume and the importance of good interviewing skills is also covered. Real life issues, such as financial planning, understanding contracts, leases, wills, warranties, legal notices, and personal bills are covered. Finally, citizenship responsibilities, such as registering to vote, jury duty, and draft registration will be reviewed.

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. The instruction provides training in skills, knowledge, and attitudes necessary to successfully perform fundamental survival tasks. Sample topics include survival medicine, finding food and water, clothing, building a personal survival kit, making fire and emergency shelter. Students will learn the necessities for maintaining life in a survival situation. We will conclude this class with an overnight outdoor survival camp where the students will practice their survival skills in a safe outdoor environment for two nights (a sleeping bag and access to a tent is recommended). The class is taught by the Aerospace Science Department. Additional emphasis is placed on leadership, personal development skills and fitness.

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 counselor or by visiting www.avid.org.

Advancement Via Individual Determination

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

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

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.

Jewelry Designs of the World

1 trimester, 1 credit
Recommended: None
Available at: Woodbury High School
Course code: AR0025

Want to make your own jewelry? You may learn some of the following techniques: Beading, cut macramé, found-object jewelry, handmade beads and wire techniques to create one of a kind jewelry. Design and create unique bracelets, necklaces and earrings based on jewelry designs of multiple world cultures.

World Crafts

1 trimester, 1 credit
Recommended: None
Course code: AR0021

Discover creative and functional art forms from various world cultures. Gain technical skills in popular craft techniques, which may include projects such as beaded jewelry, tie-dye, modern basket design, glass etching, soapstone carving and paper maché.

Fine Art Photography

1 trimester, 1 credit
Recommended: None
Course code: AR0031

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.

Online Fine Art Photography

1 trimester, 1 credit
Recommended: None
Course code: OLAR31



Fine Art Photography B

1 trimester, 1 credit
Recommended: Fine Art Photography A
Course code: AR0038

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.

Online Fine Art Photography B

1 trimester, 1 credit
Recommended: Fine Art Photography A
Course code: OLAR38



Did you know?

Successful completion of any art course will meet one of the two fine arts credit requirements.

WGT AP Art History

3 trimesters, 3 credits

Recommended: Course is for grades 11 and 12

Available at: East Ridge and Woodbury High School

Course code: AR0068, AR0069 and AR0070

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 prepares 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 WGT AP Art History

3 trimesters, 3 credits

Recommended: Course for grades 11 and 12

Course code: OLAR68, OLAR69, OLAR70



Graphic Design

1 trimester, 1 credit

Recommended: None

Course code: AR0033

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.

Online Graphic Design

1 trimester, 1 credit

Recommended: None

Course code: OLAR33



Visual Communications: Art & Technology A

1 trimester, 1 credit

Recommended: None

Available at: East Ridge High School and Woodbury High School

Course code: AR0027

Combine the latest computer technology with college-level art design training! Learn design basics, digital imaging and computer concepts using Adobe Photoshop elements. Here's your chance to explore and prepare for careers in computer graphics, graphic design, and layout and digital imaging.

Visual Communications: Art and Technology B

1 trimester, 1 credit

Recommended: Visual Communications: Art & Technology A

Available at: East Ridge High School and Woodbury High School

Course code: AR0028

Build on the design concepts and Photoshop skills developed in Visual Communications A. Explore the latest online programs. Create artwork to scan and manipulate in Photoshop. Use your creativity while learning new Photoshop techniques to create a variety of projects that can be included in a graphic design portfolio.

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. During trimester one, you will create a variety of work demonstrating your skill range (breadth). Focus on your area of concentration during trimester two. And during trimester three, you will work on your five quality pieces. All three areas are required in the AP portfolio. College credit is possible depending on the score of your portfolio and your college of choice.

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 11 and 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 codes: 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.

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: BE0038

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 and Animation class, and build upon with 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

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.

Online Introduction to Programming/Computer Science

1 trimester, 1 credit
Recommended: None
Course code: OLBE43



Digital/Video Game Design

1 trimester, 1 credit
Recommended: Introduction to Programming/Computer Science
Course code: BE0044

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

Would you know your rights if the police stopped you at 11:30 on a Saturday night and began to search your car? Do you really own what you post on Facebook? These questions will be answered when we study your individual rights as well as all aspects of civil and criminal law. Trial procedures and law-related careers will be explored. Other current topics and legal case studies, along with guest speakers, will enhance this course.

Hybrid Business Law

1 trimester, 1 credit
Recommended: None
Course code: HBBE46

Career Exploration

1 trimester, 1 credit
Recommended: None
Course code: BE0047

"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.



Business Seminar

3 trimesters, 3 credits
Recommended: Course for grades 11 or 12
Course codes: BE0027, BE0028, BE0029

Students must take this class in **conjunction with the 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.

Online Business Seminar

3 trimesters, 3 credits
Recommended: Course for grades 11 or 12
Course codes: OLBE27, OLBE28, OLBE29



Business Internship

3 trimesters, 3 credits
Recommended: Application and instructor permission
Recommended: Course for grades 11 or 12
Course codes: BE0030, BE0031, BE0032

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.

Online Business Internship

3 trimesters, 3 credits
Recommended: Application and instructor permission
Recommended: Course for grades 11 or 12
Course codes: OLBE30, OLBE31, OLBE32



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

Personal Finance and Money Management

1 trimester, 1 credit

Recommended: None

Course code: BE0048

Never has the need for financial education been so critical for all students! Become equipped to confidently discuss money issues and plan for your own financial future. Learn the essentials for independent living such as budgeting, saving for a car and buying insurance. Learn how to build wealth and avoid the mistakes of others who find themselves with unnecessary debt and in bankruptcy court. Instead, learn how to develop good financial habits at an early age - habits that will allow you to Make, Manage, Multiply and Protect your money. This course is essential for a secure financial future.

Online Personal Finance and Money Management

1 trimester, 1 credit

Recommended: None

Course code: OLBE48



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

Hybrid Social Media Marketing

1 trimester, 1 credit

Recommended: Course for grades 10, 11 or 12

Available at: East Ridge

Course code: HBBE51

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 codes: 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 a virtual sports simulation and manage your own football franchise. Learn the ins and outs of this exciting, fast-growing industry.

Entrepreneurship

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course codes: BE0021



Online Entrepreneurship

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course codes: 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.

Video Production

1 trimester, 1 credit

Available at: East Ridge High School

Recommended: None

Course codes: BE0026

Students in this course will gain the knowledge, understanding and practical experience of creating video productions and television studio techniques. Students will work in a variety of production positions over the course of the year's study. Students will gain an understanding of the history of video production by looking at the changes in equipment and production techniques over the years. Students will develop basic skills in camera techniques, audio production, directing, digital non-linear editing, script writing, lighting, set design and a wide variety of other skills required to create a finished video production.

English

English 9

3 trimesters, 3 credits

Recommended: None

Course codes: EN0036, EN0037, EN0038

The 9th grade English course focuses on the study of reading and literature, writing and language, speaking, listening and viewing. Ongoing development of formal academic writing is the main component for this course. Each student also completes frequent on-demand writing and prepared writing. Literary concepts are taught through the study of short stories, plays and novels. Speaking and listening skills are practiced throughout the year.



Online English 9

3 trimesters, 3 credits

Recommended: None

Course codes: OLEN36, OLEN37, OLEN38

Honors English 9

3 trimesters, 3 credits

Recommended: None

Course codes: EN0027, EN0028, EN0029

This course is designed to promote success toward taking higher level courses in English. It is an accelerated approach to the standard English curriculum with additional material covered in literature, writing and grammar. The course is designed for the students with a willingness to accept a challenge.



Online Honors English 9

3 trimesters, 3 credits

Recommended: None

Course codes: OLEN27, OLEN28, OLEN29

English 10

3 trimesters, 3 credits

Recommended: English 9

Course codes: EN0039, EN0040, EN0041

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.



Online English 10

3 trimesters, 3 credits

Recommended: English 9

Course codes: OLEN39, OLEN40, OLEN41

Honors English 10

3 trimesters, 3 credits

Recommended: Honors English 9

Course codes: EN0030, EN0031, EN0032

Students in this course will study a variety of literary genres and will develop composition and literary analysis skills. Students will be introduced to the basic tenets of rhetorical strategies, including developing a working understanding of both rhetorical appeals and some rhetorical strategies. In addition, this course will introduce AP and IB strategies such as close reading, commentary and literary analysis to improve research and argumentation skills. There will also be a strong emphasis on speaking and listening skills to help prepare students for more advanced classes. Students interested in taking AP or IB English courses as a junior and senior are encouraged to take this course.



Online Honors English 10

3 trimesters, 3 credits

Recommended: Honors English 9

Course codes: OLEN30, OLEN31, OLEN32

English 11

3 trimesters, 3 credits

Recommended: English 10

Course codes: EN0042, EN0043, EN0044

American literature and the analysis of that literature is emphasized in this course. This course also includes the study of composition: the preparation (process writing) of formal and informal essays and research. Both formal and informal speaking experiences will be included.



Online: English 11

3 trimesters, 3 credits

Recommended: English 10

Course codes: OLEN42, OLEN43, OLEN44

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

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.

Online WGT AP English Language and Composition

3 trimesters, 3 credits

Recommended: Honors English 10

Course codes: OLAP01, OLAP02, OLAP03



IB WGT 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 two assessments required for the Higher Level IB Examination in May of their senior year (college credit can potentially be earned). This course is recommended for IB English HL 12.

English 12

3 trimesters, 3 credits

Recommended: English 11

Course codes: EN0045, EN0046, EN0047

This course will include literature selections from around the world. Students writing will concentrate on academic writing including exposition, argument and analysis. Speaking, listening and language will be integrated throughout the course.

Online: English 12

3 trimesters, 3 credits

Recommended: English 11

Course codes: OLEN45, OLEN46, OLEN47



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

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.

Online WGT AP Literature and Composition

3 trimesters, 3 credits

Recommended: AP Language and Composition

Course codes: OLAP04, OLAP05, OLAP06



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

3 trimesters, 3 credits

Recommended: IB English Higher Level 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 course work 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).

Absent Narratives

1 trimester, 1 credit

Recommended: Course for grades 10 - 12

Available at East Ridge High School and Woodbury High School

Course codes: EN0118

The essence of this course is critical reading, writing and discussion of selected contemporary novels, poems and short stories. We will examine the texts from multiple viewpoints, examining the works not only for themes, narratives and style, but also through application of a variety of critical theories. The texts are multicultural and may contain mature themes and images. The texts, discussions, ideas and format are different from those normally encountered in a high school classroom. You can expect to be challenged, enlightened and offended by things you encounter in the course.

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.

Creative Dramatics and Acting

1 trimester, 1 credit

Recommended: None

Course codes: EN0071

This course is a comfortable way to learn and develop skills in creative dramatics and acting. Units of study will involve basic to complex areas of acting including emotional development, physical movement, and improvisation. 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 and Park High School

Course codes: 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 codes: EN0079

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

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.

Mythology

1 trimester, 1 credit

Recommended: Course for grades 10 - 12

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.

Rap as Poetry

1 trimester, 1 credit

Recommended: Course for grades 10 - 12

Available at: East Ridge and Woodbury High School

Course code: EN0122

Lovers of hip hop looking to get between the beats: this is your course. You can expect to find company for your obsession with the lyrics and the flow that have made hip hop the dominant cultural expression of our time. We will get there through harnessing the skills of language arts students in order to analyze rap and hip hop as literary expression, rather than purely entertainment. Along the way, we will learn about the roots of the art form and discuss where it is all headed next. This course is not intended for aspiring rappers. Keep it up, though. Maybe yours will be the next mixtape we discuss.

WGT Writing Studio - College in the Schools

3 trimesters, 3 credits

Recommended: Application and instructor approval

Available at: East Ridge and Woodbury High School

Course codes: CIS016, CIS017, CIS018

This University of Minnesota Entry Point class is an introduction to and practice of the writing process. Critical reading, rhetorical analysis for understanding of audience, purpose and argumentation strategies. Formal assignments: summary/analytical writing, source-based writing. 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

English Learners (EL)

The English Learner (EL) program in South Washington County Schools follows governmental and professional guidelines to support students who are learning English as a Second Language (ESL). The program provides the assistance students need for success in school.

The English Learner (EL) program is a series of courses designed to help students whose first language is not English improve their English proficiency in listening, speaking, reading and writing. Depending on their English language proficiency (ELP) levels, students take one to three EL courses: English Language Development (ELD), sheltered content courses and/or a focused structured resource course. Additional EL programming includes co-taught content courses making content accessible while in the mainstream classroom.

Parent Involvement:

Parents are encouraged to contact their student's EL teacher with questions or concerns. EL teachers are available at all conferences. Interpreter services are available for parents who want to speak in a language other than English.

Exit from EL Program

A student may exit the EL program based on:

- ACCESS State Exam
- Standardized test scores
- Success in other courses or
- EL teacher recommendation

Family and Consumer Science - FACS

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 Issues

1 trimester, 1 credit
Recommended: None
Course code: FS0012

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.

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.

Baking and Pastry

1 trimester, 1 credit
 Recommended: None
 Available at: Woodbury High School
 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.

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!

Housing and Interior Design

1 trimester, 1 credit
 Recommended: None
 Course code: FS0017

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.

Online Housing and Interior Design

1 trimester, 1 credit
 Recommended: None
 Course code: OLFS17



Independent Living/Senior Strategies

1 trimester, 1 credit
 Recommended: Grades 11-12
 Course code: FS0030

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 work force, get ready for life in the real world!

Online Independent Living/ Senior Strategies

1 trimester, 1 credit
 Recommended: Grades 11-12
 Course code: OLFS30



WGT Concurrent Enrollment: Introduction to Hospitality and Tourism Management

1 trimester, 1 credit
 Recommended: None
 Available at: Park High School
 Course code: FS0026

This introduction course gives students an overview of the different sectors of the hospitality & tourism industry. In addition, the course will discuss the leadership skills needed to manage the operations, human resources, and guest experiences of hospitality and tourism businesses. This is a concurrent enrollment course with Normandale Community College and students may receive 4 college credits.

**This is a concurrent enrollment course with Normandale Community College and students may receive 4 college credits.

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. 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 compliment 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, CIS College Algebra Through Modeling, or AP Statistics
Intermediate Algebra	Geometry	Algebra 2	Algebra 3 w/Trig, 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, 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 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, Pre-Calc or IB Applications SL 1
Intermediate Algebra	Geometry or Geometry in Construction	Algebra 2 or IB Prep Algebra 2	Algebra 3 w/Trig, Pre-Calc or IB Applications SL 1	AP Calculus AB AP Statistics or IB Applications SL 2
Geometry	Algebra 2 or IB Prep Algebra 2	Algebra 3 w/Trig, Pre-Calc or IB Applications SL 1	AP Calculus AB, AP Statistics or IB Applications SL 2	IB Analysis SL/HL AP Statistics or AP Calculus AB
Algebra 2	Algebra 3 w/Trig Pre-Calc, or IB Applications SL 1	AP Calculus AB AP Statistics, or IB Applications SL 2	AP Calculus AB AP Statistics, 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, CIS College Algebra Through Modeling, or AP Statistics
Intermediate Algebra	Geometry	Algebra 2	Algebra 3, Statistics, Trig, 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, 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 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: None

Course codes: MA0035, MA0036, MA0037



Online Geometry

3 trimesters, 3 credits

Recommended: None

Course codes: OLMA35, OLMA36, OLMA37

Geometry develops your formal and informal reasoning. Geometry and trigonometry develop your visual thinking and your 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)

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.

Algebra 2

3 trimesters, 3 credits

Recommended: None

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.



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.

Online Algebra 2



3 trimesters, 3 credits

Recommended: None

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.

IB Prep Algebra 2 with Trigonometry

3 trimesters, 3 credits

Recommended: Passing grades in 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 codes: MA0109

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

Online Algebra 3

1 trimester, 1 credit

Recommended: None

Course codes: OLMA109



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 codes: MA0077

This course is designed to prepare students for the challenges of pre-calculus or 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.



Online Trigonometry

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

Statistics

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

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.



Online Statistics

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

Pre-Calculus

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

This course prepares students for college and AP Calculus. 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.



Online Pre-Calculus

3 trimesters, 3 credits
Recommended: None
Course codes: OLMA53, OLMA54, OLMA55

WGT AP Statistics

3 trimesters, 3 credits
Recommended: Completion of Algebra 2
Course codes: AP0010, AP0011, AP0012

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.



Online WGT AP Statistics

3 trimesters, 3 credits
Recommended: Completion of Algebra 2
Course codes: OLAP10, OLAP11, OLAP12

WGT AP Calculus AB

3 trimesters, 3 credits
Recommended: None
Available at: East Ridge, Park and Woodbury High Schools
Course codes: AP0013, AP0014, AP0015

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.



Online WGT AP Calculus AB

3 trimesters, 3 credits
Recommended: None
Course codes: OLAP13, OLAP14, OLAP15

WGT AP Calculus BC

3 trimesters, 3 credits
Recommended: None
Available at: East Ridge and Woodbury High Schools
Course codes: AP0016, AP0017, AP0018

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.



Online WGT AP Calculus BC

3 trimesters, 3 credits
Recommended: None
Course codes: OLAP16, OLAP17, OLAP18

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

3 trimesters, 3 credits

Recommended: Passing grade in Algebra 2 or IB Prep Algebra 2

Available at: Park High School

Course code: IB0073, IB0074, IB0075

This course is for students who are interested in developing their mathematics for describing our world, modelling, and solving practical problems using the power of technology. Students who take Math: Applications will be those who enjoy mathematics best when seen in 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: Precalculus or IB Interpretation SL I

Available at: Park High School

Course code: 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, modelling and solving practical problems using the power of technology. Students who take Math: Applications will be those who enjoy mathematics best when seen in 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: WGT 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: CIS033, CIS034, CIS035

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.

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.

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.

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 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.

Non-Departmental Electives

Advanced Media Studies

1 trimester, 1 credit

Recommended: Video Production or Journalism

Available at: East Ridge High School

Course codes: BE0001, BE0002

This course is designed to teach more advanced methods of reporting, shooting and lighting, scripting, editing and production of a television newscast. Students will learn how to use television news cameras, tripods, lights and editing equipment. Beginning with the second week of the trimester, students will produce weekly newscasts that will air at the high school. Journalism or Video Production are prerequisites. Register by application.

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!

Teacher Cadet Program

2 trimesters, 2 credits

Recommended: Course for grades 11 or 12. Application required.

Course codes: EL0027, EL0028

The Teacher Cadet Program gives high school students realistic experiences in the education field that will help them make informed decisions about teaching careers. During their cadet experiences, students will: examine the multiple responsibilities and professional roles of a teacher; explore career options in education; observe, explore and use effective teaching practices; recognize how learning is affected by human growth and development; demonstrate leadership, interpersonal, intrapersonal and self-evaluation skills; and understand school structures, operations and policies.

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 counselor if you're interested.



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.

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.

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.

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.



Embedded Health

Embedded Health is a uniquely designed course where students receive four years of comprehensive instruction in the areas of Health and Wellness starting in ninth grade. The course material addresses time-sensitive topics and provides essential health resources and up-to-date information. Students will have access to a grade level district Moodle site to complete online assignments and review resources on each lesson. Topics covered are age appropriate and topics are designed around critical periods of changes that occur. Students do not need to register for this course.

Example topics by grade level:

- Gr. 9: Mental, Social and Emotional Development/Wellness
- Gr. 10: Chemical Health and Nutrition
- Gr. 11: Nutrition and Sexuality
- Gr. 12: Chemical Health, Nutrition, Fitness and Sexuality/ relationships

Access the embedded health handbook on our Health/Physical education homepage. Students will earn a pass/fail grade for embedded health. With a passing grade, students earn .25 credits towards the required 1 high school Health Education. After four years of participating in this program, students will have gained the required (1) credit towards graduation.

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 lay 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.

GT 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) - Engineering & Design



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: Environmental Sustainability

3 trimesters, 3 credits

Prerequisite: Students must also be currently enrolled in or have previously taken biology.

Available at: Woodbury High School

Course codes: PLW052, PLW053, PLW054

In Environmental Sustainability, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.

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.

WGT PLTW: Computer Science and Software Engineering

3 trimesters, 3 credits

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

Available at: East Ridge High School

Course codes: PLW043, PLW044, PLW045

This course is designed to meet the growing demand for software engineering professionals. Computer Science and Software Engineering aims to develop computational thinking using tools that foster creativity, such as Scratch, App Inventor, HTML, PHP, MySQL, data mining tools and modeling tools like Python. Upon completion, students will be well prepared for a first course in Java. In taking CSE, students can take the AP Computer Science Principles exam and earn college credit, in addition to receiving college credit granted as a PLTW course. 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 Applications

3 trimesters, 3 credits

Available at: East Ridge High School

Course codes: PLW049, PLW050, PLW051

Computer Science Applications (CSA) builds on the basic skills learned in Computer Science and Software Engineering to teach students authentic Android app development. Students in this course continue to hone their communication and collaboration skills while learning to use a variety of tools. The primary goal of this course is to create independent-thinking app developers; every unit in this course builds on students' prior knowledge and skills until they are able to complete the app development cycle independently from the group.

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.

WGT PLTW: Engineering Design and Development

3 trimesters, 3 credits

Prerequisite: Two PLTW courses completed in order 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.



Science

Pathways

Note: Pathways represent common course options and are not inclusive of all course offerings or pathway options. Talk with your counselor to learn about other options.

East Ridge High School

	Grade 9	Grade 10	Grade 11	Grade 12
Pathway 1	Physical Science	Biology	Chemistry	Physics
Pathway 2	Honors Physical Science	Biology	AP Prep Chemistry or Chemistry or Physics	Physics or AP Physics or AP Chemistry or AP Biology
Pathway 3	Biology	AP Prep Chemistry or Chemistry or Physics	AP Chemistry or AP Biology or Physics or AP Physics	Physics or AP Physics or AP Biology or AP Chemistry

Park High School

	Grade 9	Grade 10	Grade 11	Grade 12
Standard	Physical Science	Biology	Chemistry or Physics	Chemistry or Physics (or any science course)
IB Biology Path	Physical Science or Honors Physical Science (recommended)	Chemistry, IB Chemistry or Physics	IB Biology 1	IB Biology 2
IB Chemistry Path	Physical Science or Honors Physical Science (recommended) or Biology	Biology, IB Biology 1 or Physics	IB Chemistry 1	IB Chemistry 2
IB Physics/ SEHS Path	Physical Science or IB Biology 1	Biology, IB Biology 1, Chemistry, IB Chemistry 1 or Physics	IB Physics or IB Sports Exercise, Health Science (SEHS) Anatomy/Physiology Or any other science	IB Physics or IB Sports Exercise, Health Science (SEHS)

Woodbury High School

	Grade 9	Grade 10	Grade 11	Grade 12
Pathway 1	Physical Science	Biology	Chemistry	Physics
Pathway 2	Physical Science	Biology	AP Prep Chemistry or Chemistry or Physics	Physics or AP Physics or AP Chemistry or AP Biology
Pathway 3	Biology	AP Prep Chemistry or Chemistry or Physics	AP Chemistry or AP Biology or Physics or AP Physics	Physics or AP Physics or AP Biology or AP Chemistry

Course Descriptions

Physical Science

3 trimesters, 3 credits

Recommended: None

Course codes: SC0010, SC0011, SC0012

Physical Science is a lab-based course that investigates the concepts of matter, motion, energy, and human interactions with physical and Earth systems. Topics include atoms and the periodic table, chemical reactions, material chemistry, forces of the Earth, energy, waves, magnetism, electricity, energy use and human impact on the environment.

Online Physical Science

3 trimesters, 3 credits

Recommended: None

Course codes: OLSC10, OLSC11, OLSC12



Honors Physical Science

3 trimesters, 3 credits

Recommended: None

Available at: East Ridge and Park High School

Course codes: SC0071, SC0072, SC0073

The topics addressed in Honors Physical Science are similar to the general course, however the approach to, and the depth in which the content is addressed varies. In honors, students will take a more quantitative approach to the standards, applying mathematical analysis to the understanding of quantum mechanics and electromagnetism. Additionally, students are expected to have a strong understanding of scientific methodology and will be expected to successfully conduct full inquiry investigations that are multidisciplinary in nature.

Biology

3 trimesters, 3 credits

Recommended: None

Course codes: SC0016, SC0017, SC0018

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.

Online Biology

3 trimesters, 3 credits

Recommended: None

Course codes: OLSC16, OLSC17, OLSC18



WGT AP Biology

3 trimesters, 3 credits

Recommended: Biology and Chemistry

Available at: East Ridge and Woodbury High Schools

Course codes: AP0020, AP0021, AP0022

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 organism and population biology. Take this course to prepare for the AP Biology exam and possibly earn college credit.

Online WGT AP Biology

3 trimesters, 3 credits

Recommended: Biology and Chemistry

Course codes: OLAP20, OLAP21, OLAP22



WGT IB Biology 1

3 trimesters, 3 credits

Recommended: Honors Physical Science or Physical 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. Students designate which exam they plan to take, SL or HL. Students will be prepared for both. The IB International Assessment for this course includes formal lab reports and participation in the IB Group 4 Project. Plan for extensive outside class reading and study. Summer assignments may be required.

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 in the junior and senior years as a Standard Level (SL) or as a Higher Level (HL) course. IB Biology 2 is the second of the two years. It is designed to expand on the topics studied in IB Biology 1 and continue 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.

Chemistry

3 trimesters, 3 credits

Recommended: Intermediate Algebra with Statistics

Course codes: SC0040, SC0041, SC0042

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.

Online Chemistry

3 trimesters, 3 credits

Recommended: Intermediate Algebra with Statistics

Course codes: OLSC40, OLSC41, OLSC42



AP Prep Chemistry

3 trimesters, 3 credits

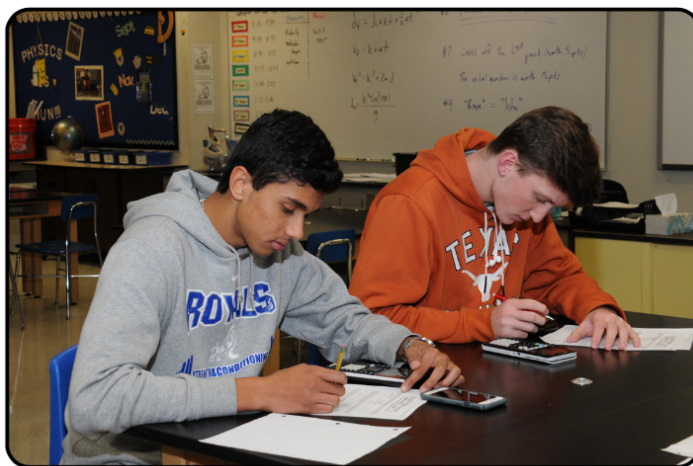
Recommended: Intermediate Algebra w/ Statistics, Geometry

Available at: East Ridge and Woodbury High School

Course codes: SC0053, SC0054, SC0055

Cover the same topics as the standard Chemistry class but in greater depth. Discover solution and thermochemistry, with emphasis on scientific process and problem solving. 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.

*Appropriate for 10th graders with well above average mathematical and problem-solving ability.



WGT AP Chemistry

3 trimesters, 3 credits

Recommended: Chemistry, AP Prep Chemistry & Algebra II

Available at: East Ridge and Woodbury High School

Course codes: AP0023, AP0024, AP0025

This course will complete the preparation for the Advanced Placement exam. 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.

Online WGT AP Chemistry



3 trimesters, 3 credits

Recommended: Chemistry, AP Prep Chemistry & Algebra II

Course codes: OLAP23, OLAP24, OLAP25

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.

WGT IB Chemistry 2

3 trimesters, 3 credits

Recommended: 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 2 is the second of the two years. It is designed to expand on topics studied in IB Chemistry 1. It will continue 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.

Physics

3 trimesters, 3 credits

Recommended: Geometry

Course codes: SC0050, SC0051, SC0052

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.

Online Physics



3 trimesters, 3 credits

Recommended: Geometry

Course codes: OLSC50, OLSC51, OLSC52

WGT AP Physics 1

3 trimesters, 3 credits

Recommended: Algebra II

Available at: East Ridge and Woodbury High School

Course codes: AP0047, AP0048, AP0049

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. Students will be prepared to take the AP Physics 1 exam at the end of the year.

Online WGT AP Physics 1



3 trimesters, 3 credits

Recommended: Algebra II

Course codes: OLAP47, OLAP48, OLAP49

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, 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.

Online WGT AP Physics 2

3 trimesters, 3 credits

Recommended: AP Physics 1 or General Physics

Course codes: OLAP50, OLAP51, OLAP52



WGT IB Physics

3 trimesters, 3 credits

Recommended: Algebra II w/ Trigonometry or instructor approval

Available at: Park High School

Course codes: IB0066, IB0067, IB0068

The basic physics course is a college 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.

Natural Resource Management

1 trimester, 1 credit

Recommended: None

Available at: Park High School

Course code: SC0047

One of the rich natural resources in the State of Minnesota is an abundance of wildlife species. The preservation and management of this precious resource requires a set of values and a balanced perspective by the citizens of the state. Habitat management and an understanding of the characteristics of the various species can prevent their starvation, disease and death. Education is a key component to bring all perspectives together in providing an informed citizenry on the ways and means of wildlife/natural resource management. The course content ranges from a historical perspective on various species, their characteristics and life

cycles, habitat needs, habitat management, benefits wildlife provides communities, and the use and preparation of harvested game species. Students are expected to be active learners throughout each instructional unit. They will be expected to debate the issues surrounding the management of various species. This course is expected to contribute to the reality of learning through the management of wildlife/natural resources.

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.

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



Develop knowledge of and an appreciation for the contributions of many cultures to the collective wisdom of humans. We emphasize the ideas and events of both Western and non-Western civilizations as they have come to shape our present existence.

WGT AP World History

3 trimesters, 3 credits

Recommended: None

Course codes: AP0032, AP0033, AP0034

Take a more rigorous approach to world history using historical reference materials to provide differing points of view in relation to Western and non-Western civilizations. We will work to prepare for the AP World History exam and possibly earn college credit!

Online WGT AP World History

3 trimesters, 3 credits

Recommended: None

Course codes: OLAP32, OLAP33, OLAP34

**United States History**

3 trimesters, 3 credits

Recommended: Course for grade 11

Course codes: SO0022, SO0023, SO0024

Hybrid United States History

3 trimesters, 3 credits

Recommended: Course for grade 11

Available at: East Ridge

Course codes: HBSO22, HBSO23, HBSO24

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: None

Available at: East Ridge and Woodbury High School

Course codes: AP0035, AP0036, AP0037

Online WGT AP United States History

3 trimesters, 3 credits

Recommended: None

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 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.

Political Science

1 trimester, 1 credit

Recommended: Course for grade 12

Course code: SO0031

Hybrid Political Science

1 trimester, 1 credit

Recommended: Course for grade 12

Available at: East Ridge

Course code: HBSO31

Online Political Science

1 trimester, 1 credit

Recommended: Course for grade 12

Course code: OLSO31



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.

WGT AP United States Government & Politics

2 trimesters, 2 credits

Recommended: Course for grade 12

Available at: Park and Woodbury High School

Course code: AP0043, AP0044

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 colleges U.S. Government and politics courses.

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

College in the Schools: WGT CIS Political Science

2 trimesters, 2 credits

Recommended: Course for grade 12

Available at: East Ridge High School and Park High School

Course code: CIS026, CIS027

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.

Economics

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0037

Hybrid: Economics

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Available at: East Ridge

Course code: HBS037

Online Economics

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLS037



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.

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.

Human Relations

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Available at: Park High School

Course Code: SO0049

The Human Relations class offered at Park High School is a course designed to increase awareness and understanding of the diversity within our individual beliefs and cultures. This course is student-led and challenges their perspectives on society. Topics are chosen by students based on what they see as dividing factors in our society/schools. In the past, Human Relations classes have discussed topics including, but not limited to, privilege, biases, role of social media, treatment of others, LGBTQ community, sexism, race, and religious discrimination. Upon leaving this class, students will have a new appreciation and understanding of the complex and diverse world in which we live and will be equipped with the skills and voice to be seen, to be bold, and to be heard.

Criminology

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0045

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, corrections, and the courts.

Online Criminology

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLS045



Psychology A

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0040

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.

Online Psychology A

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLS040



Psychology B

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: SO0041

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.

Online Psychology B

1 trimester, 1 credit

Recommended: Course for grades 11 or 12

Course code: OLS041



College in the Schools: WGT 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: CIS013, CIS014

College in the Schools Psychology 1001 A/B is an introduction to the scientific study of human behavior and 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: OLS035

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 11 or 12

Course code: SO0044

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 Course

1 trimester, 1 credit

Recommended: Course for grades 10, 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 but will be open to everyone. 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.

Span Imrs Human Geography

3 trimesters, 3 credits

Recommended: Course for grade 9

Available at: Woodbury High School

Course codes: SI0055, SI0056, SI0057

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.

Span Imrs Language, Literature & 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.

Span Imrs 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.

Span Imrs 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 Span Imrs 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.

Span Imrs History of the Americas

3 trimesters, 3 credits

Recommended: Course for grade 11

Available at: Woodbury High School

Course codes: SI0064, SI0065, SI0066

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.

Span Imrs Literature & 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 Span Imrs Literature & 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.

Span Imrs People & Cultures Capstone

3 trimesters, 3 credits

Recommended: Course for 4th year experience

Available at: Woodbury High School

Course codes: SI0067, SI0068, SI0069

The purpose of this course is to give graduating Spanish Immersion students an opportunity to use their language skills and cultural understanding in a real-world setting. The aim is for students to research and reflect upon the experience to demonstrate cultural and language growth beyond the classroom. This course is student-directed, allowing students to participate in experiential learning. Students will learn about local and global communities and have the opportunity to use their time and talents in various volunteer/service experiences.

Trade and Industry

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.

Residential Construction Technology I

1 trimester, 1 credit
Recommended: None
Course code: TE0011

This lab-based course gives you an opportunity to use new technology. Develop architectural plans and construct a scale model residential home from which you will design, develop and construct an actual wall section according to industry standards. Explore and gain experience in careers for several building trades.

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.

Web Graphics and Animation 2

1 trimester, 1 credit

Recommended: Web Graphics and Video Animation 1

Course code: TE0036

Refine your digital video production and animation skills to produce a variety of products using digital video cameras and the latest software and compression utilities. You will produce one major, or several minor productions, using topics that may include themes such as school, community and individual topics or interests. Apply the artistic process relating to digital video and animation productions and understand and use artistic processes to create original digital video and animation projects. Audience and message analysis, script writing, digital video editing and computer animation are required.

*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: TE0030

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: TE0031

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.

How to Make Almost Anything - W.I.S.E (Wolfpack Inventor Space Exploration)

1 trimester, 1 credit

Recommended: None

Available at: Park High School

Course code: TE0089

Students will learn to explore digital design and prototyping using the new Inventor 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 smart systems, 3-D printing, injection molding laser cutting, PCB layout and fabrication. 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.

How to Make Almost Anything

3 trimester, 3 credits

Recommended: TE0089

Available at: Park High School

Course code: TE0090, TE0091 and TE0092

Students will learn personal digital fabrication using the Inventors Space. 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. This is the first class in the Pre-Engineering Pathway at Park High School. How to Make Almost Anything is modeled after one of the elective courses in the Manufacturing and Engineering department at Century College. Students will learn the overall manufacturing process from design to production through their use of our industry standard equipment and technologies. Students will identify their interests in a variety of career fields including graphic design, business, computer assisted design, manufacturing as well as engineering. All students will be both teachers and learners in the class.

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.

CAD Design A

1 trimester, 1 credit

Recommended: None

Available at: Park High School

Course code: TE0008

This is a hands-on computer-based lab course. Students will use tutorials to learn the AutoCAD program. Students will then learn major concepts used in mechanical drafting. Projects will be developed through a series of computer-generated drawings. Basic geometry, math and problem-solving skills will be used on daily assignments.

CAD Design B

1 trimester, 1 credit

Recommended: Computer Assisted Design (CAD) A

Available at: Park High School

Course code: TE0009

This hands-on computer-based lab course is an advanced course dealing with Technical, Mechanical, Architectural drafting and related applications. Various projects will then be developed in one of the technical areas through a series of computer-generated drawings.

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 STEMS 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.

WGT AP Computer Science A

3 trimesters, 3 credits

Recommended: None

Available at: East Ridge and Woodbury High School

Course code: AP0053, AP0054, AP0055

AP Computer Science Applications A is equivalent to a first-semester, college- level course in computer science. 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. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

Online WGT AP Computer Science Principles

3 trimesters, 3 credit

Recommended: None

Course code: OLAP56, OLAP57, OLAP58



AP Computer Science Principles introduces students to the foundational concepts of the field and challenges them to explore how computing and technology can impact the world. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. Students also explain how computing innovations and computing systems, including the internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

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 employs 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)

World Language

Pathways

*Students can start at a Level 1 at any grade level.

East Ridge High School

Language	Grade 9	Grade 10	Grade 11	Grade 12
American Sign Language	American Sign Language 1	American Sign Language 2	American Sign Language 3 or Concurrent Enrollment in ASL (college credit)	American Sign Language 4
French	French 1	French 2	French 3	French 4 or College in the Schools French (college credit)
German	German 1	German 2	German 3 or College in the Schools German (college credit)	German 4 or College in the Schools German (college credit)
Mandarin Chinese	Mandarin Chinese 1	Mandarin Chinese 2	Mandarin Chinese 3	Mandarin Chinese 4
Spanish	Spanish 1/2	Spanish 3	Spanish 4 or Composition and Conversation or College in the Schools Spanish (college credit)	Spanish 5 or Composition and Conversation or College in the Schools Spanish (college credit)

Park High School

Language	Grade 9	Grade 10	Grade 11	Grade 12
American Sign Language	American Sign Language 1	American Sign Language 2	American Sign Language 3 or Concurrent Enrollment in ASL (college credit)	American Sign Language 4
French	French 1	French 2	French 3	French 4 or IB French (SL)
German	German 1	German 2	German 3	German 4 or IB German (SL)
Mandarin Chinese	Mandarin Chinese 1	Mandarin Chinese 2	Mandarin Chinese 3	Mandarin Chinese 4
Spanish	Spanish 1/2	Spanish 3	Spanish 4 or IB Spanish SL	Composition and Conversation, or IB Spanish SL (HL only if completed SL)

Woodbury High School

Language	Grade 9	Grade 10	Grade 11	Grade 12
American Sign Language	American Sign Language 1	American Sign Language 2	American Sign Language 3 or Concurrent Enrollment in ASL (college credit)	American Sign Language 4 or Concurrent Enrollment in ASL (college credit)
French	French 1	French 2	French 3	French 4 or College in the Schools French (college credit)
German	German 1	German 2	German 3 or College in the Schools German (college credit)	German 4 or College in the Schools German (college credit)
Mandarin Chinese	Mandarin Chinese 1	Mandarin Chinese 2	Mandarin Chinese 3	Mandarin Chinese 4
Spanish	Spanish 1/2	Spanish 3	Spanish 4	Spanish 5 or Composition and Conversation or College in the Schools Spanish (college credit)

Course Descriptions

American Sign Language & Deaf Culture 1

3 trimesters, 3 credits

Recommended: None

Course codes: WL0052, WL0053, WL0054

This is the first course of a sequence in American Sign Language (ASL) and Deaf Culture. We will learn the basics for communication with Deaf individuals. This includes receptive and expressive readiness activities, sign vocabulary, basic rules of grammar, sentence structure, fingerspelling, conversational behaviors and various aspects of Deaf Culture. We'll feature receptive and expressive sign vocabulary building and conversation.

American Sign Language & Deaf Culture 2

3 trimesters, 3 credits

Recommended: American Sign Language & Deaf Culture 1

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

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

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.

WGT College Concurrent Enrollment American Sign Language

3 trimesters, 3 credits

Recommended: American Sign Language 2

Course Codes: WL0076, WL0077, WL0078

This course is equivalent to ALS 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.

WGT College Concurrent Enrollment American Sign Language 2

3 trimesters, 3 credits

Recommended: College Concurrent American Sign Language

Available at: Park and Woodbury High School

Course Codes: WL0079, WL0080, WL0081

This course is equivalent to ALS 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

Course codes: WL0001, WL0002, WL0003

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

Course codes: WL0004, WL0005, WL0006

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

Course codes: WL0007, WL0008, WL0009

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.

College in the Schools: WGT CIS French

3 trimesters, 3 credits

Recommended: French 3

Available at: East Ridge High School

Course codes: CIS001, CIS002, CIS003

This Intermediate University French course emphasizes communication in French. Class is conducted in French and students are expected to speak only French during class. Practice speaking and comprehending French and develop reading and writing skills based on materials from France and the French-speaking world. Coursework includes 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.

French 4

3 trimesters, 3 credits

Recommended: French 3

Course codes: WL0010, WL0011, WL0012

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.

French 5

3 trimesters, 3 credits

Recommended: French 4 or CIS French 1003

Course codes: WL0013, WL0014, WL0015

Develop greater proficiency in the four basic skills of listening, reading, speaking and writing in French. Increase your communication skills using a variety of verb tenses. Review the vocabulary and structures you learned earlier. Explore French hotels and travel, technology, social issues and problems, cultural influences, immigrants in France, French restaurants and the history of France. We use selected literary readings and special projects to build your French skills.

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: French 5 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

Course codes: WL0016, WL0017, WL0018

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

Course codes: WL0019, WL0020, WL0021

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

Course codes: WL0022, WL0023, WL0024

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: WGT CIS German

3 trimesters, 3 credits

Recommended: German 3

Available at: East Ridge High School

Course codes: CIS004, CIS005, CIS006

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.

German 4

3 trimesters, 3 credits

Recommended: German 3

Course codes: WL0025, WL0026, WL0027

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.

German 5

3 trimesters, 3 credits

Recommended: German 4

Course codes: WL0028, WL0029, WL0030

This course leads the student to greater proficiency in the four basic skills of listening, reading, speaking and writing in German. The content includes a comprehensive grammar review with emphasis on the subjunctive mood and all tenses. The course is designed around a variety of performance projects which will allow the student to demonstrate and increase their fluency in German and to prepare for college placement examinations.

WGT IB German Standard Level (SL)

3 trimesters, 3 credits

Recommended: German 3

Available at: Park High School

Course codes: IB0046, IB0047, IB0048

Students are immersed in German - from reading novels and current events, writing journals, through a variety of situations that provoke oral work, students manipulate the spoken and written language independently and in groups. As far as possible, the teaching and review of vocabulary and grammatical structures will take place in the context of other activities, such as oral communication or authentic readings. Study of the foreign culture is continued through the use of authentic materials such as films, magazines, music and literature. Students must be able to manipulate previously learned grammar tenses and points without hesitation. One serious paper is assigned each trimester. Students may test at the IB Standard Level.

WGT IB German Higher Level (HL)

3 trimesters, 3 credits

Recommended: German 5

Available at: Park High School

Course codes: IB0055, IB0056, IB0057

Students will complete a review of structure 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 German IB Exam.

Mandarin Chinese 1

3 trimesters, 3 credits Recommended: None

Course codes: WL0064, WL0065, WL0066

Get an introduction to the language and culture of the Chinese-speaking world, stressing the ability to speak and listen to basic daily conversation in Chinese. Learn to read and write basic Chinese characters and develop an appreciation for the uniqueness of the Chinese culture through situational and daily conversations. Songs, verb and vocabulary activities, videos, CDs, computer and internet lessons may aid skills.

Mandarin Chinese 2

3 trimesters, 3 credits

Recommended: Mandarin Chinese 1

Course codes: WL0067, WL0068, WL0069

This course will continue to provide opportunities for learners to gain language skills and knowledge of the Mandarin Chinese language. Students will be able to speak and listen to daily conversation, and to read and write basic Chinese characters. Students will also be able to understand and appreciate the uniqueness of Chinese culture.

Mandarin Chinese 3

3 trimesters, 3 credits

Recommended: Mandarin Chinese 2

Course codes: WL0070, WL0071, WL0072

This course aims to provide opportunities for students to explore and understand essential elements in Mandarin Chinese language and culture, and to learn survival communicative skills to enable oneself to travel successfully in Chinese-speaking countries.

Mandarin Chinese 4

3 trimesters, 3 credits

Recommended: Mandarin Chinese 3

Course codes: WL0073, WL0074, WL0075

In this course, students will explore and understand essential elements in Mandarin Chinese language and culture, learn how to exchange information and knowledge with Chinese-speaking people, and use the information and knowledge accordingly to improve their lives in the future.

WGT AP Mandarin Chinese

3 trimesters, 3 credits

Recommended: Mandarin Chinese 4

Available at: Woodbury High School

Course codes: AP0059, AP0060, AP0061

This AP Chinese course will prepare students to demonstrate their level of Chinese proficiency across communicative modes (interpersonal, interpretive and presentational) and five goal areas (communication, cultures, connections, comparisons and communities). Its aim is to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills and culture. It will prepare students' awareness and appreciation of the elements of the culture of Chinese-speaking people. Students will learn about various aspects of contemporary Chinese society, including geography and population, ethnic and regional diversity, travel and transportation, climate and weather, holidays and food, sports and games, and current affairs.

Spanish 1

3 trimesters, 3 credits

Recommended: None

Course codes: WL0031, WL0032, WL0033

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.

Online Spanish 1

3 trimesters, 3 credits

Recommended: None

Course codes: OLWL31, OLWL32, OLWL33



Spanish 2

3 trimesters, 3 credits

Recommended: Spanish 1

Course codes: WL0034, WL0035, WL0036

Review and reinforce vocabulary and structures from Spanish 1. Learn and practice the past tense extensively. Become able to communicate to 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.

Online Spanish 2

3 trimesters, 3 credits

Recommended: Spanish 1

Course codes: OLWL34, OLWL35, OLWL36



Spanish 3

3 trimesters, 3 credits

Recommended: Spanish 2

Course codes: WL0037, WL0038, WL0039

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.

Online Spanish 3

3 trimesters, 3 credits

Recommended: Spanish 2

Course codes: OLWL37, OLWL38, OLWL39



Spanish 4

3 trimesters, 3 credits

Recommended: Spanish 3

Course codes: WL0040, WL0041, WL0042

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.

Online Spanish 4

3 trimesters, 3 credits

Recommended: Spanish 3

Course codes: OLWL40, OLWL41, OLWL42



College in the Schools: WGT CIS Spanish

3 trimesters, 3 credits

Recommended: Spanish 4, Spanish Composition and Conversation, or instructor approval

Available at: East Ridge and Woodbury High School

Course codes: CIS007, CIS008, CIS009

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.

Spanish Composition and Conversation

3 trimesters, 3 credits

Recommended: Spanish 3 or instructor approval

Course codes: WL0049, WL0050, WL0051

Engage in activities to polish Spanish speaking and writing skills. Speaking activities include prepared and impromptu speeches, role-play situations, group skits and discussions. Writing activities focus on compositions and written reporting of current events in the Spanish-speaking world. Expect to speak Spanish in class almost entirely.

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

South Washington County Schools is committed to igniting a passion for lifelong learning.

CORE VALUES

*Collaboration *Continuous Improvement *Equity
*Integrity *Relationships

STRATEGIC OBJECTIVES

Personalization: We will engage, motivate and empower each student through personal instruction creating shared ownership of learning.

Climate and Culture: We will ensure safe, inclusive environments, innovation and creativity.

Be seen. Be heard. Be bold.

Ms. Julie Nielsen
Superintendent

Dr. Tyrone Brookins
Assistant Superintendent

Ms. Kelly Jansen
Assistant Superintendent

Ms. Kristine Schaefer
Assistant Superintendent

SCHOOL BOARD

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