

Redmond High School



2021-2022
Course Catalog

WELCOME TO REDMOND HIGH SCHOOL

The mission of Redmond High School is to provide an appropriately challenging academic experience for each individual; a school environment which values the contributions and attitudes of each individual; and a system of advocacy and instruction which connects each individual to the greater community and the opportunities waiting there.

Redmond High School

17272 N.E. 104th Street
Redmond WA 98052
425-936-1800
rhs.lwsd.org

Principal: Jill VanderVeer

Associate Principal: Andrew Hosford

Associate Principal: Robert (Rob) Jones

Associate Principal: Colette Roche

RHS Counseling Center

425-936-1804

Counselors: Katie Bunyard, Sarah Gray, Lindsey Hanson, Kimberly Herring, Justine Oshiro, Molly Schwarz, Ellen Zambrowsky-Huls, Alisa Zemke

High School and Beyond Plan Coordinator: Nikole Lalas

Counseling Secretary: Jeanie Palm

Data Processor: Megan Livermore

RHS College and Career Center

425-936-1828

Career Center Specialist: Andrea Cothran

Cover Photo by Lloyd Higgins

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Counselors provide a number of services for students and their parents, whether it is in the area of personal concerns, academic decisions, or post high school plans. Providing support to students, parents and staff is the primary role of the counseling staff. Redmond counselors facilitate communication between students, parents and the community at large in order for our students to work towards becoming successful, well-adjusted, independent young adults.

Guidance services are designed to meet the needs of our diverse population. Programs can be administered in several different ways through the counseling staff, teaching faculty and additional professional personnel when appropriate. Redmond High School contracts with community support services to provide a part-time substance abuse counselor and interventions specialist for our students. This individual's role includes education, assessment, as well as individual and group counseling and referral to other community agencies when appropriate.

The Redmond High School Counseling Center web page, linked to the RHS main page, holds a variety of resources for students and their parents to access at anytime. This includes listings of helpful web addresses as well as a link to our Post High School Handbook.

Available guidance, either through school wide programming or on an individual basis, can include:

Academic

- Course Advising
- Alternative Educational Programs
- Registration
- Graduation Progress
- Student Records
- Washington state required assessments
- College Application Information

Career

- Post-high school planning
- High School and Beyond Plan

Personal/Social

- Time Management/Study Skills
- Acute Individual Problem Solving
- Crisis Support and Referrals
- Referrals to community based resources for continued care

Students are assigned alphabetically to a counselor and are encouraged to make individual appointments through our bookings page on the RHS Counseling website. Appointment times are available during the school day, and can be made a number of days in advance. Before and after school times are reserved for counselor arranged meetings, including staff and/or parents. Students will be sent a pass in class the day of their appointment authorizing them to report to the counseling office for their meeting. Counselors are also available for brief questions via their school district email addresses. Contact information for individual school counselors can be found on the [Redmond High School website](#).

Post-High School Planning/High School and Beyond Plan

The LWSD high school graduation requirements are a minimum set of specific subject requirements for a student to obtain their high school diploma. Admission requirements for four year college often include additional requirements beyond the minimum high school graduation requirements. Students are encouraged to research individual college requirements and consult with their high school counselor.

Students in grades 9-12 will work towards developing and completing their own High School and Beyond Plan. The High School and Beyond Plan is a state and district graduation requirement that will require students to consider education and career choices post high school. The Lake Washington School District uses Xello to organize and access activities that create the High School and Beyond Plan. Students will be responsible for completing grade level activities that allow them to brainstorm, explore, and organize their plans and ideas for life after high school. Students are encouraged to work with their family, teachers, and counselors on their plan.

College Admission Testing

Information about how to register for college admission testing is available online. Preferred registration occurs online. These tests may include:

- Scholastic Achievement Test (SAT) www.collegeboard.org
- SAT Subject Tests www.collegeboard.org
- American College Test (ACT) www.actstudent.org
- Test of English as a Foreign Language (TOEFL) www.ets.org/toefl

Transcripts

Official transcripts can be requested in the counseling office by filling out the request form with our counseling secretary. Students are charged a one-time fee to cover the cost of all copies of their official transcripts. This fee is paid prior to graduation, and entitles the student to official transcripts for life. Fee amount information can be found in the Bookkeeping Office.

It is the student's responsibility to request an official transcript from any institution attended during high school while completing the college application process. Students enrolled in Enrichment summer school programs or Running Start must do so as only general information about these courses will be posted to their high school transcript by RHS.

Tutoring

Private tutoring is not a school sponsored activity and the district does not match students with tutors. The College and Career Center has tutoring lists and resources for students to check out. The Lake Washington School District does not screen tutors and will not conduct background checks. The district is not supervising the tutoring and is not responsible for the safety of students while being tutored in this non-sponsored activity. Additionally, the District does not guarantee the safe environment of the students who may participate in a tutoring experience. Students should consult with their parent or guardian and be aware of the risks before participating in a tutor opportunity. (Source: Lake Washington School District Risk Management Department)

RHS Help

No student will be denied access to classes due to an inability to pay course fees. Students needing financial assistance may complete a confidential RHS Help request form available online on the RHS Counseling Center website, counseling center, or main office.

Homework Policy

The Redmond High School staff believes that homework is an important and valuable extension of classroom instruction. The exact amount of time spent on homework will vary depending upon the student's ability and the nature and the difficulty of the task. Students are responsible for developing skills and habits that allow them to become more involved in their own learning. To this end, students are expected to complete all homework.

Late work policies vary from teacher to teacher. Students must coordinate work submission on an individual basis. Please review the RHS attendance policy on the school website for further details about late work and absences.

Teacher Assistant (TA)

A maximum of 1 credit total will be allowed for TA positions during the high school career. One-half credit will be granted for each semester of successfully completed work. Pass/fail grade is given at the discretion of the teacher/administrator responsible.

External Credit

Credit may be approved for education courses that are obtained through an accredited institution or organization outside of Redmond High School. Acceptance of out of district credits is limited to a total of 3 credits. Check with your counselor or the RHS Counseling Center website for additional information and approval paperwork.

Repeating a Course – Replacement Credit Policy

Students who choose to take or repeat coursework from any private school, agency or community college other than Redmond High School will receive "transfer" on their transcript for that course (i.e. transfer math). The "better" of the two grades may be used to replace a previous lower grade. Both grades will be posted, however the attempted and earned credit amounts for the lower grade can be adjusted so it does not calculate in a student's overall grade point average. Always contact your school counselor for clarification of this and how it applies to your personal situation.

Student Schedules

During the registration process, Redmond High School counselors and staff provide students a great deal of information to ensure that students are able to make informed decisions about their class selection. When registration opens in mid-January, students make their initial course selections. Several weeks later, students confirm their course selections, and registration is finalized. After finalizing registration based on student course selections, RHS constructs the master schedule, hires new teachers, and generates teacher and student schedules based on the student requests submitted during registration. Therefore, RHS will not make any schedule changes after the close of registration, except in very specific situations such as an improper placement in a class, an incomplete schedule, or a missing class needed for graduation. Submitting all requested information by the deadlines communicated by Redmond High School will assist staff in meeting student scheduling needs.

Student Initiated Schedule Changes

The choices made by students during the annual course request process are considered to be final. Courses and teacher assignments for the upcoming school year are based on those choices. Once each semester has started students must remain in their scheduled classes. Schedule change **requests** will be considered for these reasons only:

1. A student's schedule is incomplete
2. A senior may need a specific class for graduation
3. A student has accidentally selected a class that they do not meet the prerequisite for
4. A teacher has recommended the student move to a different level within the same discipline (e.g. move from Spanish 3 to Spanish 2)

During the first 5 days of either first or second semester a student may submit a Schedule Change Request Form in the Counseling Center. Once the form is completed and returned to the Counseling Center with the appropriate teacher and parent signatures, the change will be considered, not automatically completed. Any schedule change request that does not meet the criteria above is subject to administrative review. Students must continue to report to their scheduled courses unless otherwise notified of a change.

Schedule Changes – Transcript Policy

Schedule changes within the first five days will not be recorded on the transcript. A "W" (withdrawn) grade will be recorded on the transcript of students dropping courses after the first five (5) days through the fifth (5th) week of the semester. The course will remain on the student's official transcript but will not impact the student's GPA. Students will receive an F grade for courses dropped after the 5th week of the semester except in the case of extenuating circumstances as determined by the principal. All schedule changes must follow designated school processes and be approved by counselors/administrators. The ability to schedule students into a different course is limited once the registration process ends.

For courses that have multiple levels (general and Honors or AP) circumstances may dictate that students are moved after the 5th day of either semester. A change may be granted for a move up or down in the course level with permission from the student's teacher, counselor and administrator. However, students should be aware that their transcripts will reflect the original course with a "W" (non-credit bearing, no effect on GPA) grade, as well as the new course and any grade earned.

Concurrent Courses

It is the student's responsibility to make certain all high school graduation requirements will be met by the end of their senior year. Requests for concurrent enrollment (example: a student wanting to take both AP Biology and AP Chemistry) will not be granted if the student has other credits needed for high school graduation. Students will be placed into courses required for graduation before being allowed to take multiple periods of classes granting the same type of credit. It is to the student's benefit to use freshman and sophomore year to complete credit minimums in all required areas so as to have the freedom to take any combination of courses in junior and senior year.

Recommended Courses for the College Bound Student

Most four-year institutions require a specific subject pattern for entrance. Students are encouraged to review the college requirements under “Admissions” at the institution’s web site. Students also may review the core course pattern for Washington State Public colleges later in this book. It is highly recommend that college-bound students elect to take as many English, Math, World Language, Social Studies and Science courses as their schedule will allow, while being certain to satisfy all other high school graduation requirements.

Honors

An honors class provides an opportunity for a student to examine a subject in more depth, both in content and analysis of subject matter. Honors classes challenge students to high levels of thinking and learning. The prerequisites are above average reading and writing scores. Sound study skills and motivation to work to a higher level of expectation are necessary. Appropriate subject background may be required in many courses and applications for honors classes may be required. Honors courses are offered based on total student registration. An Honors class can be cancelled if minimum enrollment numbers are not met. RHS cannot accommodate every request for Honors.

Advanced Placement (AP) Program

The Advanced Placement program consists of college-level courses and exams for high school students. Over 90 percent of the colleges AP candidates have attended give credit for advanced placement to students whose AP examination scores are considered acceptable. Credit is granted at the discretion of the individual colleges. It is the student’s responsibility to check with prospective colleges to confirm college policies on accepting AP test scores. An AP course is challenging, stimulating, and compared to other high school courses, often takes more time, requires more work, gives greater opportunity for individual progress and accomplishment, and goes into great depth. AP courses are offered based on total student registration. An AP class can be cancelled if minimum enrollment numbers are not met. RHS cannot accommodate every request for AP.

Running Start Program

Seniors and juniors who qualify may enroll in college level courses at local participating community and technical colleges. The courses taken will earn high school credit at Redmond High School and college credit at some state colleges and universities. The Lake Washington School District pays the college tuition for a specified number of credits taken. Students are responsible for all fees, books, and transportation. Students interested in Running Start must:

- Consult with the local college for application instructions and program information.
- Take an assessment or submit your SBA scores and mathematics at the community or technical college, scheduled by the student.
- Students must have junior or senior standing in high school before taking courses through Running Start. Completion of 9th and 10th grade required course sequence is necessary, and meeting all state testing requirements is strongly encouraged prior to enrollment.
- Meet all Redmond High School and LWSD graduation requirements through course work at Redmond High School or through Running Start classes.

To begin Running Start in a fall quarter, students must apply during the spring of the previous academic year.

Enrichment Program

Students qualify for this experience by taking a placement test at a local community college. This program gives the student an opportunity to take a college class at a community college during the summer. Students and their families are responsible for all costs associated with the program. Students must be at least 16 years old to participate.

CTE Dual College Credit

Through a partnership with community and technical colleges in the state, certain CTE courses provide students with the opportunity to earn both high school and college credit for the course, if students complete the course with a grade of “B” or better. If a course qualifies for CTE Dual Credit, it will be noted in the course description, or teachers will provide students with information about how to register for CTE Dual Credit. Note: Students must register and pay a \$50 fee (fee covers all CTE Dual Credit Courses) through the Pacific Northwest College Credit Consortium to be awarded college credit.

Equivalency Two-for-One Courses

Following guidelines passed by the Washington State Legislature equivalency, or cross crediting, for Career and Technical Education and core academic courses is possible. Students are able to use the equivalency course credit to check off graduation requirements for **both** occupational education and the core academic area. They do not earn double credit. An example of this would be a student who took one semester of Photo 1. Using this guideline the one semester course can meet content requirements equaling one semester of both Fine Art and Occupational. The student is only awarded .5 credit for the course as it applies to their overall credits needed for high school graduation. Careful consideration of the policy and its application to a student’s graduation planning should be made. Part of that consideration should include reviewing the student’s High School and Beyond plan for post high school admissions requirements that outline certain credit needs students should complete in high school prior to earning their diploma.

NCAA Eligibility

Redmond High School submits school course information to the NCAA Eligibility center to assist our college bound student athletes. Course specific details can be found by navigating the eligibility center website ncaa.org and reviewing information specific to our school (CEEB code 480978). It is the potential student athlete’s responsibility to select coursework that will meet their goal of eligibility. Detailed information on all requirements is available directly from the NCAA.

High School Credits - For RHS Diploma and for College Admission Readiness

Subject	Requirements for RHS (2019 +)	Minimum Requirements for most Four-Year Colleges & Universities	Recommended for Highly Selective Colleges & Universities
English	4 credits	4 credits	4 credits
Math	3 credits (ALG 1, GEO & recommended ALG 2)	3-4 credits (ALG 1, GEO & ALG 2 AND 1.0 credit Math grade 12)	3-4 credits (ALG 1, GEO & ALG 2 AND 1.0 credit Math grade 12)
Science	3 credits	2 credits of Lab Science, including one credit of algebra-based biology, chemistry or physics	3-4 credits of Lab Science, including one credit of algebra-based biology, chemistry or physics
Social Studies	3 credits	3 credits	3-4 credits
World Language	2 credits (of the same language)	2 credits (of the same language)	3-4 credits
Visual or Performing Arts	2 credits	1 credit	2-3 credits
Health & Fitness	1.5 credits PE .5 credit Health		
Occupational Education	1 credit		
Electives	Minimum of 4 credits to meet 24 credits		
TOTAL	*24 credits		
College Admission Requirements will vary by school - check the admission requirements listed at each institution.			
Students must have a minimum 2.00 cumulative grade point average at time of application (most colleges will require a more competitive GPA). Students must complete Algebra 2 or higher.			

* In addition to earning a minimum number of credits, students must complete any additional district or state requirements. Information can be found on the LWSD website and through the Office of the Superintendent of Public Instruction.

EDUCATIONAL PLANNING RESOURCES

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Month	Freshmen/Sophomores	Juniors	Seniors
September	<ul style="list-style-type: none"> Consider a volunteer experience to help explore career choices. Log in and familiarize yourself with career cruising and other online resources available through school. 	<ul style="list-style-type: none"> See Career Center for self-assessment, aptitude and interest test. Consider a volunteer experience to help explore career choices. Seek information from college and military representatives as they visit the RHS Career Center. Continue to explore online resources for post high school planning. 	<ul style="list-style-type: none"> Check SAT/ACT dates (if needed). Review transcript and graduation requirements. Start college applications. Update your resume. Start preparing to submit the FAFSA If needed, request letter of recommendation from counselor and classroom teacher(s). Continue to seek information from college and military representatives as they visit the RHS Career Center. Check scholarship bulletin on Career Center website.
October	<ul style="list-style-type: none"> Sophomores take the Preliminary Scholastic Aptitude Test (PSAT) for practice. Sophomores sign up to take Armed Services Vocational Battery. 	<ul style="list-style-type: none"> Take the Preliminary Scholastic Aptitude Test (PSAT) National Merit Qualifying Test. Sign up to take Armed Services Vocational Battery. 	<ul style="list-style-type: none"> Submit Free Application for Federal Student Aid (FAFSA) or the Washington Application for State Financial Aid (WASFA). Continue college applications. Request transcripts from the Counseling Center. Check scholarship bulletin on Career Center website. SAT Test and/or ACT Test.
November	<ul style="list-style-type: none"> Monitor your academic progress by reviewing Standard Score 	<ul style="list-style-type: none"> Attend National College Fair. 	<ul style="list-style-type: none"> Attend National College Fair. Early admissions college applications due. Check scholarship bulletin in Career Center SAT Test. Attend RHS financial aid night - encourage parent to attend.
December	<ul style="list-style-type: none"> Continue to explore online resources for post high school planning. 	<ul style="list-style-type: none"> Continue to explore online resources for post high school planning. 	<ul style="list-style-type: none"> Continue college application process. Seek information from college and military representatives as they visit the Career Center. Check scholarship bulletin on Career Center website. SAT Test and/or ACT Test.
January		<ul style="list-style-type: none"> Plan ahead to make college visitations in the spring/summer. 	<ul style="list-style-type: none"> Check scholarship bulletin on Career Center website.
February	<ul style="list-style-type: none"> Update progress toward graduation Plan next year course selections to help develop career plans. 	<ul style="list-style-type: none"> Update progress toward graduation Plan next year course selections to help develop career plans. 	<ul style="list-style-type: none"> Send mid-term reports to colleges which require the form. Check scholarship bulletin on Career Center website.
March	<ul style="list-style-type: none"> Monitor your four-year plan with regard to your post-high school plans. 	<ul style="list-style-type: none"> Register for SAT and ACT Tests Monitor your four-year plan with regard to your post-high school plans. 	<ul style="list-style-type: none"> Check scholarship bulletin on Career Center website.
April	<ul style="list-style-type: none"> Continue to explore online resources for post high school planning. 	<ul style="list-style-type: none"> SAT and/or ACT test. 	<ul style="list-style-type: none"> Check scholarship bulletin on Career Center website.
May	<ul style="list-style-type: none"> If needed, register for Summer School 	<ul style="list-style-type: none"> If needed, register for Summer School SAT and/or ACT test. 	<ul style="list-style-type: none"> Notify college of decision to accept offer of admission. Submit college housing applications. Check scholarship bulletin on Career Center website.
June		<ul style="list-style-type: none"> SAT Test and/or ACT Test. Plan to visit college campuses during the summer. 	<ul style="list-style-type: none"> Notify counseling secretary of college choice to send transcript on senior checkout form. Take college placement tests. Send final reports to colleges which require them.

Redmond High School Four Year Planner

Name _____ Graduation Year _____

Ninth Grade	
Semester 1	Semester 2
Eleventh Grade	
Semester 1	Semester 2

Tenth Grade	
Semester 1	Semester 2
Twelfth Grade	
Semester 1	Semester 2

Use the Credit Check form for your graduation class to be sure you are meeting high school graduation requirements.
Remember that college admission will typically require more core subjects than regular high school graduation.

Possible Careers of Interest:

Possible Post-High School Program Options:

EDUCATIONAL PLANNING RESOURCES

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Redmond HS Graduation Plan

Date _____

Student Name: _____

CLASS OF 2021+

State Requirements	Subject	Met Req.	Note	State Requirements	Subject	Met Req.	Note
SBA	ELA			WCAS	Science		
SBA	Mathematics			HS & Beyond Plan	Career Cruising		
Subject Area	Name of Class	Met Req.	Note	Subject Area	Name of Class	Met Req.	Note
English	(4 credits)			Social Studies	(3 credits)		
English 9				World Hist. 1			
English 9				Contemp. World Probs			
English 10				Contemp. World Probs			
English 10				US History			
English 11				US History			
English 11				Civics			
English 12				WA State History			
English 12				Lab Science	(3 credits - 2 LAB)		
Math	(3 credits)			Semester 1			
Semester 1				Semester 2			
Semester 2				Semester 1			
Semester 1				Semester 2			
Semester 2				Semester 1			
Semester 1				Semester 2			
Semester 2				Fine Arts	(2 credits)		
Health	(.5 credit)			Semester 1			
Semester				Semester 2			
Occ Ed / CTE	(1 credit)			Semester 1			
Semester 1				Semester 2			
Semester 2				Electives			
Physical Ed	(1.5 credits)			Semester 1			
Semester 1				Semester 2			
Semester 2				Semester 3			
Semester 3				Semester 4			
World Language	(2 credits)			Semester 5			
Semester 1				Semester 6			
Semester 2				Semester 7			
Semester 1				Semester 8			
Semester 2				TOTAL CREDITS NEEDED FOR DIPLOMA = 24			
NOTES:							

District Graduation Requirements

Credit Requirements at a Glance

Subject	Credits
Language Arts	4.0
Science	3.0 [^]
Mathematics	3.0 ⁺
World Language (same language)	2.0 ^{^^} 2 can be (PPR)
Social Studies	3.0
Arts	2.0 ^{^^} 1 can be (PPR)
Physical Education (P.E.)	1.5 ^{^^}
Health	0.5
Occupational/Career & Technical Education	1.0
Electives	4.0
Total	24.0

[^] 2.0 lab science, 1.0 non-lab science

⁺ Algebra I, Geometry, and a third credit of high school mathematics, aligning with the student's interests and high school and beyond plan.

^{^^} A student may request to be excused from P.E. under certain conditions, per state law and district policy.

^{^^^} Personalized Pathway Requirements (PPR) are related courses that lead to a specific post-high school career or educational outcome chosen by the student based on the student's interests and High School and Beyond Plan, that may include Career & Technical Education, and are intended to provide a focus for the student's learning

Students must fulfill the graduation requirements that are in place when they first enter ninth grade, unless the state legislature votes to reduce those requirements. The requirements will not increase once a student has started ninth grade. The requirements do not change even if the student's graduation year changes.

Students must fulfill the following three requirements for graduation:

1. Earn High School Credits as shown in the table to the left

Students must earn at least 24 credits to graduate.

2. Complete a High School and Beyond Plan

To graduate, all students must develop a High School and Beyond Plan specifying how they will meet high school graduation requirements and what they will do following high school. Students begin their plan in eighth grade and revise it each year as they progress through middle and high school. The High School and Beyond Plan should include the classes needed to prepare for a postsecondary pathway, such as a two-year or four-year college, technical college, apprenticeship program, certificate program, the workforce or military training.

3. Meet the requirements of at least one graduation pathway option* in English Language Arts and Mathematics:

- Meet standard on the Smarter Balanced Assessment
- Complete and qualify for credit in related dual credit course
- Earn credit in high school transition course (Bridge to College)
- Earn C+ in related Advanced Placement or Cambridge course or 3 or higher on AP exam or E on Cambridge exam
- Meet State Board cut scores on SAT or ACT
- Meet any combination for ELA and math described above
- Meet standard on Armed Services Vocational Aptitude Battery
- Complete a sequence of CTE courses relevant to student's postsecondary pathway

For more information about graduation requirements, go to: www.lwsd.org > Schools >High Schools> High School Guide.

**Subject to LWSD Board of Education approval*

Advanced Placement (AP®) Courses and Exams

Purpose of Advanced Placement

Advanced Placement (AP) is a nationwide program that is designed to prepare secondary students for higher education. AP classes provide rigorous, college-level curriculum in various subjects and the opportunity to earn college credits or advanced college standing. The AP program is made possible by the close cooperation of secondary schools, colleges, and the College Board. AP classes are open to all high school students in Lake Washington School District (LWSD).

The AP experience

Taking AP classes in high school helps students prepare for the college-level work load. Students learn to:

- Develop effective study habits
- Improve writing skills
- Sharpen critical thinking skills

AP also teaches discipline and helps students grow and mature academically. Students report that they enjoy the challenge of the AP program. High school faculty report that AP courses greatly enhance student confidence and academic interest. College faculty find that AP students are far better prepared for serious academic work.

Receiving college credit for AP through AP exams

Students who meet all performance standards on AP exams may be eligible to receive college credit. Colleges determine if credit or advanced standing is granted based on their institutional policies. Most colleges and universities world-wide recognize AP achievements and grant credit.

Graduation pathways requirement

Students have the opportunity to meet the graduation pathway requirement by earning a C+ in an identified AP or Cambridge course or scoring 3 or higher on the AP exam. To see all math and ELA courses that apply, go to www.lwsd.org > [Programs and Services](#) > [Accelerated Programs](#) > [High School Highly Capable Program Services](#) and then click on [Advanced Placement](#) and scroll down to “[Graduation pathways requirement](#).”

NOTE: AP courses that meet this requirement are indicated throughout the catalog with “#” before the course title.

More information about AP

Students should contact the school to learn more about AP courses offered at that school and how to enroll. AP courses and descriptions are also listed in the school’s course catalogue, which is often posted on the school website. For general information about AP courses and exams, visit College Board.

Career and Technical Education (CTE)

Career and Technical Education (CTE) is hands-on, career-connected learning that prepares students to be college, career and future ready! CTE courses integrate 21st century skills, professional and technical skills, and core academic knowledge. Some CTE courses provide the opportunity to earn college credit or industry certification.

Career and Technical Education (CTE) Classes

Two semesters of CTE courses are required for graduation. Many AP offerings are also available through CTE, and some CTE courses allow students to earn college credit through CTE Dual Credit.

CTE Dual College Credit

Through a partnership with community and technical colleges in the state, certain CTE courses provide students with the opportunity to earn both high school and college credit for the course, if students complete the course with a grade of “B” or better. If a course qualifies for CTE Dual Credit, it will be noted in the course description, or teachers will provide students with information about how to register for CTE Dual Credit.

Note: Students must register and pay a \$50 fee (fee covers all CTE Dual Credit Courses) through the Pacific Northwest College Credit Consortium to be awarded college credit.

CTE Equivalency/“Two-for-One” Courses

Some CTE courses help students meet core academic graduation requirements. If a CTE course is determined to be fully equivalent with academic standards of the core requirement, it can be recorded on a student’s transcript using equivalent academic high school designation and title. If a CTE course has designated equivalency, credit for one of the courses will be placed on the student’s transcript. Students generally choose which course they want placed on the transcript, and this choice is driven by their High School and Beyond Plan. The second course, which is not placed on the transcript, may be “checked off” as a “met requirement” by local counseling staff. Which course is put on the transcript and which one is “checked off” is determined by the student, based on their post high school goals as outlined in the High School and Beyond Plan.

The CTE Equivalency/“Two-for-One” policy does not change the total number of credits the student needs to graduate.

WANIC Skill Center Programs (<https://wanic.lwsd.org/>)

WANIC Skill Center offers high quality tuition-free Career and Technical Education (CTE) classes for high school juniors and seniors. These year-long, advanced-level CTE programs are based on rigorous academic and industry standards preparing students for career and college readiness. WANIC programs offer dual credit opportunities (high school and college credit) and/or lead to industry certifications. Programs are designed in three period blocks which allows extended learning time and authentic hands-on lab experience. Skill Center Classes are offered at many local high schools in our area, DigiPen Institute of Technology and Lake Washington Institute of Technology.

All classes are offered during the regular school day, while some are also offered after the school day. Students attend their home high school for part or all of their day and attend WANIC Skill Center programs in a different location for the remainder of the day.

WANIC program offerings:

- Automotive Technology (Bellevue HS, Bothell HS, WANIC)*
- Building Industry Technologies - Core Plus Construction (Interlake HS)
- Cisco Networking (Newport HS)*
- Culinary Arts (Newport HS)*
- Dental Careers (WANIC)
- DigiPen Art & Animation (DigiPen)*
- DigiPen Music & Sound Design (DigiPen)
- DigiPen Video Game Programming (DigiPen)*
- Fire & EMS (WANIC)*
- Health Science Careers – Nursing (WANIC, Sammamish HS, Woodinville HS)
- Medical Careers (WANIC)
- Sports Medicine (Issaquah HS)

**Two-year program available*

Visit <https://wanic.lwsd.org> for course descriptions.

CADR Courses

CADR courses meet new college admission requirements

Since 2008, ninth graders who are planning to seek admission to public four-year colleges and universities in Washington are required to take courses to meet the state's minimum College Admission Distribution Requirements (CADR). Courses that meet college admission requirements are marked "**CADR**" throughout the course catalog. Please see page A7 for more information about college admission standards and CADR courses.

High School Credit for Courses Taken in Middle School

Middle school students who complete a high school course in the 2019-20 school year and beyond, with a passing grade, before attending high school, will automatically be given high school credit. This credit will be applied to fulfilling high school graduation requirements and recorded on the student's high school transcript.*

A student and the student's parent or guardian must inform the school before the end of the 11th grade if they do not want credit for the course(s) taken before attending high school on the high school transcript, or if they want to request that credit be transcribed with a non-numerical grade. A non-numerical grade is not included in the student's grade point average calculation.

High school courses taken in middle school are those that exceed the requirements for seventh and eighth grade classes. They also qualify for high school credit because they are similar or equivalent to a course offered at a high school in the district.

- High School level math courses in district middle schools include Algebra I and Geometry.
- High School level world language courses in district middle schools include World Language I taken in 8th grade (for example, Spanish I, Japanese I, etc.). *Students cannot earn high school credit by taking exploratory middle school language courses that do not meet Year 1 World Language standards.*

*The automatic application of high school credit earned in middle school to the transcript is a result of new graduation requirements legislation (House Bill 1599).

LWSD Online Courses

The Lake Washington School District offers two online courses - Washington State History and Health. Students may enroll in these district online courses if they meet one of the following criteria:

- The course is not offered at their school or
- The student is unable to fit the course into their regular seven-period schedule.

These online courses meet both district and state standards as well as maintain the high standards for content and rigor that are available in all LWSD classes. Students access the online class through an internet-connected computer. Course-work and online instruction may occur outside of the school day. Sections of available classes will be offered based upon spring student enrollment requests. Students who select online classes will need to meet with their school counselor in the spring to discuss class availability as well as to determine whether online learning is right for them. **Online courses taken as an 8th course incur a cost. The cost matches summer school rates.**

Courses

• Online Washington History

Online Washington History is a .5 credit class that provides the knowledge and awareness of the geography, native inhabitants, early settlers, and the forces that drove modernization and statehood. Students will also study Washington's emergence as a force for economic development and international trade. This class meets the Washington State History graduation requirement.

• Online Health

Online Health is a comprehensive .5 credit health course that provides students with essential knowledge and decision making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health. This class meets the Health graduation requirement.

Physical Education Credit Options

To earn a high school diploma, students must earn two health and fitness credits. 1.5 credits represent the fitness portion of the requirement, and are met by course work in physical education. The other .5 credit is met by taking a health course. Lake Washington School District recognizes the importance of the development of healthy habits that include physical fitness and emotional well-being and provides a variety of classes to fulfill the 1.5 credit fitness requirement. A full list of health and P.E. classes being offered is available on each school's website.

There may be special circumstances where a student may have an alternative option to meet this requirement. These alternative options are available beginning in the students 11th grade school year.

• Fitness Knowledge Assessment

The Fitness Knowledge Assessment will be offered to students beginning in the students' 11th grade school year. Students will have six opportunities to take the assessment before their graduation date.

• Fitness Plan

The Fitness Plan will be offered to students beginning in the students' 11th grade school year. Students choosing the Fitness Plan option will complete a substantial written assignment that covers similar content as the Fitness Knowledge Assessment. Students will have six opportunities to submit a fitness plan before their graduation date starting the beginning of junior year. Student must meet with counselor and complete necessary paperwork before completing the plan.

For more information about these options: <https://www.lwsd.org/schools/high-school/high-school-guide/physical-education-credit-options>.

Running Start

Seniors and juniors who qualify may enroll in college level courses at local participating community and technical colleges. The courses taken will earn high school credit and college credit at some state colleges and universities. The Lake Washington School District pays the college tuition for a specified number of credits taken. Students are responsible for all fees, books, and transportation. Students interested in Running Start must:

- Consult their counselors for application instruction and program approval.
- Take an assessment in literacy and mathematics at the community or technical college, scheduled by the student.
- Have junior or senior standing in high school before taking courses through Running Start. For juniors in the Lake Washington School District, this includes completion of 10th grade required course sequence, and meeting state test graduation requirements as outlined on page A1 of this guide. For seniors this includes satisfactory completion of 11th grade course sequences.
- Meet all LWSD graduation requirements through course work or through Running Start classes.

In addition, students may be required to attend high school classes for the purpose of completing high school graduation requirements. Students must be in contact with their Running Start Graduation Coordinator. Students who do not qualify for junior or senior status will not be approved for entry to Running Start and their tuition fees will not be paid by the school district. Parents and students will be responsible for course fees in the case that students attend community college without adequate

standing or approval as determined by counselor or administrator. To begin Running Start in a fall quarter, students must apply in the previous March.

Seven Period Schedule

As part of their four-year program of study, all students are expected to register for and take seven credit bearing courses each semester. A senior who is on track to satisfy all credit requirements for graduation may complete an application for Early Dismissal or Late Arrival. Requests for a class schedule with less than seven credit bearing courses will be reviewed with extenuating considerations in mind, which may include but are not limited to the following:

- Employment
- Medical need with documentation
- Educational opportunities outside the school/district consistent with the student's High School and Beyond Plan.

A class schedule with less than seven credit bearing courses will only allow for a late arrival or early dismissal. It is necessary to gain approval from the student's counselor and parents for late arrival or early dismissal and have a copy of the approval on file in the counseling office.

STEM Signature Programs

Every high school in the district offers "Signature Courses" and/or "Signature Programs."

- A *Signature Course* is a 1 period class where students earn 1 credit.
- A *Signature Program* is a 2-3 period block of classes where students earn 2-3 credits.

Students enrolled in Signature Courses or Signature Programs:

- Earn academic credit required for graduation (1-3 credits);
- Learn through a thematic, interdisciplinary curriculum connected to a career pathway;
- Engage in problem-based learning and industry-based projects; and,
- Learn from both teachers and professionals in the field through community and business-based partnerships.

STEM Signature programs available to 11th graders are:

- Environmental Engineering and Sustainable Design
- Forensics/Psychology

STEM Signature programs available to 12th graders are:

- Biomedical Engineering
- Advanced Physics/Global Engineering

Due to student capacity and space limitations, there are a limited number of openings in each of the school's Signature Programs for eleventh and twelfth grade students who attend one of the district's comprehensive high schools. If more students apply for each lab than space is available, selection will be done through a lottery process. Students chosen through the lottery must work with their home school counselor to ensure

that attendance in the STEM Signature Program of their choice fits within their plan to meet district high school graduation requirements. These students will continue to attend courses in their home high school in the other three periods when they are not attending the STEM Signature Program, and/or complete other courses through Running Start.

These students will continue to attend courses in their home high school in the other three periods when they are not attending the STEM Signature Program, and/or complete other courses through Running Start.

World Language Credit Options

Students are required to graduate with two credits in a World Language. Students have two options if they wish to pursue an alternative to the required two World Language credits: A student may elect to pursue credit in areas other than world language if the choice is based on a career-oriented course of study identified in the student's High School and Beyond Plan. Students also have the option of pursuing competency/proficiency credit by participating in a district-sponsored "World Language Assessment Day." Students complete an assessment to determine language proficiency. If students demonstrate at least a Novice Mid proficiency level, they will receive a letter indicating proficiency levels and the number of high school credits earned. For more information about these options, <http://www.lwsd.org/programs-and-services/curriculum-instruction/high-school-guide/graduation-requirements/world-language-credit-options>.

The Lake Washington School District does not discriminate on the basis of race, color, national origin, sex, disability, age, gender, marital status, creed, religion, honorably discharged veteran, military status, sexual orientation, gender expression, gender identity, the presence of any sensory, mental or physical disability, or the use of a trained guide dog or service animal by a person with a disability, in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following employees have been designated to handle questions and complaints of alleged discrimination:

Civil Rights Coordinator	Title IX Coordinator	Section 504/ ADA Coordinator
Executive Director of Human Resources 16250 NE 74th Street Redmond, WA 98052 425-936-1266 civilrights@lwsd.org	Director of Athletics & Activities 16250 NE 74th Street Redmond, WA 98052 425-936-1367 titleix@lwsd.org	Director of Special Services 16250 NE 74th Street Redmond, WA 98052 425-936-1407 section504@lwsd.org

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- Health Science Careers (Nursing) ♦ Medical Careers ♦ Sports Medicine

Contact us: wanic@lwsd.org 425.739.8400

The Lake Washington School District does not discriminate on the basis of race, color, national origin, sex, disability, age, gender, marital status, creed, religion, honorably discharged veteran, military status, sexual orientation including gender expression or identity, the presence of any sensory, mental, or physical disability, or the use of a trained guide dog or service animal by a person with a disability, in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Director of Human Resources, 16250 NE 74th Street, Redmond Washington, 98052, (425) 936-1266.

Overview of Minimum College Admission Standards

Revised 09/2014

The Washington Student Achievement Council Sets Minimum Standards

The Washington Student Achievement Council (WSAC) has responsibility to: *establish minimum admission standards for four-year institutions, including a requirement that coursework in American Sign Language or an American Indian Language, shall satisfy any requirement for instruction in a language other than English that the board or the institutions may establish as a general undergraduate admissions requirement.* (RCW 28B.77.020, Section 7.a)

Freshmen Admission Policy

This overview of freshmen admission requirements applies to all applicants to the public four-year colleges who enter directly from high school, and students who enter college with fewer than 40 credits of college-level coursework or equivalent.

Running Start and other dual-credit earning students, including those who have earned more than 40 quarter hours of college-level credit, who enter a public baccalaureate institution directly from high school, must meet **minimum college admission standards**:

- **2.0 Minimum GPA**
- **Official SAT/ACT** test scores sent directly to the college or university (*Fee waivers for these tests are available – consult with your high school counselor.*)
- **CADRs** – (College Academic Distribution Requirements)

College Academic Distribution Requirements (CADR)

CADRs reflect the minimum number of credits required in six subject areas that students must earn to be eligible for routine admission consideration by four-year public baccalaureate institutions.

CADRs guide students to take high school courses which will prepare them for college-level coursework. High school courses meeting CADRs are determined by the school district and are noted on the student's transcript with a "B" designation.

CADRs are not the same as high school graduation requirements, which are determined by the SBE and local school districts.

Students who plan to attend a four-year college or university should be aware of both their high school graduation requirements and the CADRs.

Meeting the minimum college admission standards does not guarantee admission to a public baccalaureate institution. Therefore, students are encouraged to go beyond meeting minimum college admission standards to improve their chances for gaining entry to a public baccalaureate institution.

Students should obtain admission information directly from the institution they wish to attend.

Holistic Review of Applications for Admission

Currently, each of the public baccalaureate institutions employs a holistic review process for at least a portion of their applicants. Holistic review is an additional means of ensuring student access, and may include a review of many factors beyond GPA, SAT/ACT scores and completion of CADRs, which indicate evidence of the student's preparedness for college.

In cases where students do not meet the minimum college admission standards, the policy provides for alternative admission policies which may be more appropriate for certain students. Each student is encouraged to contact the admissions office of the institution they wish to attend if they have questions.

Further Details

K-12 and college personnel who advise students on admission to public four-year colleges and universities should review the detailed version of the College Academic Distribution Requirements at: <http://www.wsac.wa.gov/college-admissions>

Relevant Legislation

[RCW 28A.230.097](#) (AP computer science)
[RCW 28B.77.020](#) (setting admissions standards)
[WAC 392.415.070](#) (designating CADRs on high school transcripts)

Students should consult with their local high school to obtain complete information about minimum college admission standards, and to be aware of which courses at their high school meet CADR guidelines, as determined by the local school district.

WSAC Document-Revised 09/2014

Overview of Minimum College Admission Standards

For students entering four-year colleges or universities
<p>College Academic Distribution Requirements (CADRs) Coursework (See details at http://www.wsac.wa.gov/college-admissions)</p> <p>Students are encouraged to take a minimum of three credits of CADR courses each year of high school, including the senior year.</p> <p>Students who take college-level coursework and complete 5 quarter credits or 3 semester credits, will have earned the equivalent of one CADR credit. In addition, pre-college courses in English and math may be equivalent to CADR courses, provided they are designed to meet the same learning outcomes as the high school courses for which they substitute.</p> <p>Students may meet high school requirements with courses taken in middle school, provided the courses are part of a sequence which is successfully continued in high school, or the courses are included on the high school transcript as high school-level courses.</p> <p><i>Previous minimum college admissions standards used the term 'year' to designate completion of what is now referred to as 'one credit' of high school coursework. The use of 'credit' recognizes that school districts may use alternative or block scheduling that permits students to earn a full credit in a given subject area in less than an academic year.</i></p>
<p>English – 4 credits including 3 credits of college preparatory composition or literature. One credit may be satisfied by courses in drama as literature, public speaking, debate, journalistic writing, business English, English as a Second Language, or Learning Support English. Passing the state mandated high school assessment in Reading is equivalent to earning the first 2 CADR credits of high school English.</p>
<p>Mathematics – 3 credits: Algebra I, geometry, and Algebra II (intermediate algebra), or Integrated Math I, II, and III. Passing the state mandated high school assessment in math is equivalent to earning the first 2 CADR credits of high school math (Algebra I & Geometry or Integrated Math I and II).</p> <p>Note: Successful completion of math through pre-calculus meets the requirement for 3 credits of math and the senior-year math requirement (below).</p>
<p>Senior Year Math-Based Quantitative Course: During the senior year of high school, students must earn a credit in a math-based quantitative course. This requirement may be met through enrollment in one of the three required math courses listed above; by completing a math-based quantitative course like statistics, applied math, appropriate career and technical courses, a senior year AP Computer Science course, or by completing an algebra-based science course taken during the senior year that would satisfy this requirement and part of the science requirement below. Note: The senior-year math requirement does not mean a 4th credit of math is required, nor does it require a higher level of math; the intent is for seniors to take meaningful math. Exception: Completion of higher-level math prior to the senior year exempts students from the senior-year quantitative course requirement (e.g., pre-calculus, math analysis, or calculus).</p>
<p>Science – 3 credits. At least two (2) of the credits must be laboratory science based. One credit must be in an algebra-based science course as determined by the school district. One credit must be in biology, chemistry, or physics (this course may also meet the algebra-based requirement). Principles of technology courses taught in Washington high schools may satisfy the laboratory science requirement.</p> <p>Note: Western Washington University specifies two (2) credits and that one credit must be an algebra-based chemistry or physics course.</p>
<p>World Languages – 2 credits must be earned in the same World Language, Native American language, or American Sign Language. Schools may award credit based on a district approved competency assessment consistent with the State Board of Education policy and American Council on the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines.</p> <p>Note: A World Language course taken in middle school may satisfy one credit of the requirement if the second year level course is completed in high school grades 9-12.</p>
<p>Social Science – 3 credits of history or other social science (e.g. anthropology, contemporary world problems, economics, geography, government, political science, psychology).</p>
<p>Arts – 1 credit of fine, visual, or performing arts - or 1 additional credit in other CADR academic subject areas as defined above. Acceptable coursework in the fine, visual, or performing arts includes art appreciation, band, ceramics, choir, dance, dramatics performance and production, drawing, fiber arts, graphic arts, metal design, music appreciation, music theory, orchestra, painting, photography, print making, or sculpture.</p> <p>Note: The University of Washington and Western Washington University specify one-half credit in fine, visual or performing arts. The other half may be in the arts or in an academic elective.</p>

Students should consult with their local high school to obtain complete information about minimum college admission standards, and to be aware of which courses at their high school meet CADR guidelines, as determined by the local school district.

WSAC Document-Revised 2016



The following pathways are now in place for the class of 2021 and beyond.

Career/Technical Field = CTE Course Sequence

- ✓ Complete 2.0 or more credits that either include a dual credit course or lead to an industry recognized credential
- ✓ Complete a Core Plus program

Military Career Interest = ASVAB Exam (AFQT Section)

- ✓ Score for Class of 2021 = 31
- ✓ Check the State Board of Education website by September 1 annually (www.sbe.wa.gov/our-work/graduation-pathway-options/asvab)

Postsecondary Education = English Language Arts (ELA) and Math Courses & Exams

(Can use any combination of the ELA and math options listed in this section.)

- ✓ ACT (ELA = 14; math = 16) or SAT (ELA = 410; math = 430)
- ✓ Dual credit courses (1.0 credit total):
 - AP/IB/Cambridge: Earn a C+ in state-approved course (each term)
 - CTE Dual Credit (must earn high school credit)
 - College in the High School or Running Start courses (local approval)
- ✓ Dual credit exams (for state-approved courses):
 - AP = 3+
 - Cambridge = E or better
- ✓ State assessments:
 - Smarter Balanced: ELA = 2548; math = 2595
 - WA-AIM: ELA = 104; math = 103
- ✓ Transition courses (1.0 credit total):
 - Local articulation agreements between districts and sponsoring colleges

With questions, please contact OSPI staff at graduation.pathways@k12.wa.us.

Updated 8/13/2020





Redmond High School Counseling Office

17272 NE 104th Street
Redmond WA. 98052
Office: (425) 936-1804 • Fax: (425) 936-1840

Advanced Placement and/or Honors Participation Agreement

If you are requesting to be placed in an Advanced Placement (AP) or Honors course for the upcoming school year, please read the following carefully.

Each year Redmond High School creates opportunities for students to challenge themselves by taking AP and Honors courses. School administrators must balance teacher allocations from the school district with classroom seat counts, and classes for all students.

Student reasons for requesting a drop of course range from not finishing a summer assignment prior to the start of the school year to having an overload of homework or low/failing grades. Course offerings and teacher assignments are based on registration requests gathered in the prior year, and transfers into general level courses are frequently not possible for us to make and still meet district contract requirements for class sizes and teacher student limits. As a result, we will not allow students to transfer out of an AP or Honors class for which they have registered.

These yearlong classes are a yearlong commitment. Before making this commitment please carefully consider the workload for these classes with your entire schedule (both academically and extracurricular activities such as sports, part-time employment and volunteer work). You can use the information listed in the current course catalog to estimate the hours of homework each night for each AP or Honors class you select.

You and your parent/guardian are required to verify you have read and understand the information above and you agree to the items below:

- You have carefully considered the rigor, challenge and instructor expectations of the classes you intend to take.
- You have successfully completed all required prerequisites as outlined in the catalog and agree to complete any summer work assigned.
- You are committing to remain in your AP and/or Honors class(es) for the entire school year and to access all available supports necessary to be successful.
- You recognize that the time required to complete projects, assessments and assignments may limit your ability to participate in extracurricular activities, athletics, part time employment etc.

School policy as it applies to student initiated schedule changes is located on page 4 of the annual course catalog. Please review this policy in addition to this entire letter when finalizing your choices during the course request process.

Business & Marketing

AP Microeconomics - CVS351

1 Semester - Grade 10, 11, 12

Meets Occupational Education and Social Studies graduation requirement

Dual College Credit Available

Students may potentially receive college credit and/or advanced placement from the University they plan to attend depending on the score they earn on the AP Exam.

Prerequisite

None

Course Description

This course is a college level course designed to provide students with a thorough understanding of the principles of Microeconomics as they apply to the functions of consumers and producers within the economic system. This course is created to place a primary emphasis on the nature and functions of product markets, includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students will learn to evaluate marginal costs and marginal benefits and to explore the many ways one action can cause secondary actions. Advanced level reading, graphical analysis, and active participation will be required. By the end of this course students will be prepared to take the AP Microeconomics exam in May.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP exam. DECA membership optional if offered as a first semester section.

Estimated Daily Homework

1 hour plus AP exam preparation

Business and Personal Law - CDS631

1 Semester – Grade 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Social Studies graduation requirement

Prerequisite

None

Course Description

Business and Personal Law emphasizes business and consumer applications within the frameworks of federal, state, and local laws. Distinction is made between civil and criminal law, and the emerging influence of technology and the Internet. Students will examine the relationship of law and ethics, due process, contract law, court systems, and methods of dispute resolution. Analysis of relevant cases and current issues in the law will be incorporated. This course is a foundation in law for those planning to major in business in college to pursue business careers and for personal and consumer applications. This course is also part of the Seattle University and University of Washington law schools "Street Law" program. University law students actively partake in the teaching of the class throughout the semester culminating in a "Mock" Trial held at the Redmond courthouse. By the end of this course students will have a background in the foundation, types and evolution of law in the United States, understand the relationship between law and ethics, know the difference between civil and criminal law, understand the fundamentals of business laws as they relate to businesses and consumers, and investigate emerging law related to technology.

Estimated Daily Homework

30 minutes

Additional Information

\$30 course fee

Microsoft Office Specialist Certification - CDX301/CDX302

1 Semester - Grade 9, 10, 11, 12

Dual College Credit Available

Prerequisite

None

Course Description

Discovering the usability and function of the Microsoft Office Suite (Word, PowerPoint, Excel) is the focus of this class. By the end of the course, students will take the Microsoft Office Suite Certification Exams (MOS.) A MOS certification helps validate an individual's skill in using Microsoft Office 2016 and meets the demand for the most up-to-date skills on the latest Microsoft technologies. These certifications demonstrate proficiency in globally recognized performance standards. Major assignments include end of unit projects for each software platform and the MOS Certification. At the end of this course students will be able to create, enhance and customize complex documents; share and publish documents; use PowerPoint effectively for presentations; enter, analyze and manipulate data in Excel spreadsheets and create and manipulate databases in Access.

Additional Information

\$10 course fee. DECA membership optional if offered as a first semester section.

Estimated Daily Homework

15 minutes

Digital Design I - CDA351

1 Semester - Grade 9, 10, 11, 12

Meets Occupational Education and Fine Arts graduation requirement

Prerequisite

None

Course Description

Digital Design will focus on electronic image manipulation and page layout using Adobe Illustrator and Adobe Photoshop at the beginning levels. Students will learn to use tools and applications of the programs, the fundamentals of design and visual communication. This class introduces the techniques and theory of raster and vector digital images and how to utilize them in a business setting. Major assignments include magazine cover design, business card creation, advertisement layout and logo development. By the end of this course students will be able to demonstrate an understanding of basic concepts of Adobe Illustrator and Photoshop, to do basic page layout with Illustrator, effectively manipulate an image or document for business purposes, and build creative work from scratch utilizing tools and applications programs.

Additional Information

\$10 Class Fee. DECA membership optional if offered as a first semester section.

Estimated Daily Homework

15 minutes

Business and Marketing Foundations – CDX401/CDX402

1.0 Credit - Grades 9, 10, 11, 12

Dual College Credit Available

Prerequisite

None

Course Description

This year long course will introduce students to foundational concepts. It offers applied learning as students develop essential skills for success in the 21st Century. Through project-based learning, students will learn marketing and business administration concepts including market research, product development, pricing and promotion of goods and services, and an introduction to finance and operations. This course will connect economic theory in today's global business climate with entrepreneurial endeavors. Business ethics, workplace skills and professional behaviors will be identified and practiced throughout the course. This class is recommended as a baseline class for further marketing and business classes.

Additional Info

\$40 class fee

Estimated Daily Homework

30 minutes

Personal Finance - CDX651/CDX652

1 Semester - Grade 10, 11, 12

Dual College Credit Available

Prerequisite

None

Course Description

Learn the secrets of successful transition from living with your parents to living on your own. You will learn how to develop lifetime goals and identify spending values, learn to budget and handle money wisely so you will be the one to retire early- or with the big bank account! Other topics covered include: post-secondary education, careers and employment; banking, savings, and investments; and planning for big purchases. This class will culminate with a "real-life" scenario to test your decision-making abilities based on what we've learned in class.

Additional Information

DECA membership optional if offered as a first semester section. There may be field trips during this class that may incur nominal costs.

Estimated Daily Homework

15 minutes

Marketing: Sports and Entertainment - CDX413

1 Semester - Grade 10, 11, 12

Dual College Credit Available

Prerequisite

None

Course Description

Sports and Entertainment Marketing is a course that prepares individuals to apply the functions of marketing to the diverse world of sports and entertainment. This includes instruction in business and financial management principles, sales and marketing; event promotion, scheduling and management; facilities management; public relations; and the legal aspects of sports. Curriculum also includes instruction

related to marketing and management in the entertainment industry. Major assignments include end of unit tests, new franchise project, DECA competition and economic impact study. By the end of this course students will be able to demonstrate an understanding of basic concepts of Sales and Marketing, apply principles of marketing in the Sports and Entertainment industries, collect and analyze data generated from the investigation of an economic impact study on a city.

Additional Information

\$40 class fee

Estimated Daily Homework

30 minutes

Career/Tech Preparation

AP Computer Science A - CDM911/CDM912

2 Semesters - Grade 10, 11, 12

UW College in the High School Credit Available

Meets Occupational Education and Math graduation requirements

CADR (senior year)

Prerequisite

Algebra 2 credit earned

Course Description

This class is part of the University of Washington in the High School program. Students may take it for simultaneous credit in the high school and at the University, where the class designation is CS 142. The University of Washington credit is transferrable to most other colleges and universities in the state of Washington. By the end of this course students will be able to design and implement computer solutions to a variety of problems; understand and apply well-known computer algorithms; understand and take advantage of computer system components; and write well-structured, understandable, and reusable programs using the Java and C# programming languages. Among the computer science algorithms learned are object-oriented design and program construction, program flow and control, common searching and sorting algorithms, variables, arrays, and lists, project design and control. Major assignments include a simulation of the Washington State Lottery system, design and programming of a statistics-based game, participation in the annual Microsoft Hunt-the-Wumpus competition held each year on the Microsoft campus.

Additional Information

Students are encouraged to provide a USB drive for transporting work between school and home.

Estimated Daily Homework

30 minutes plus AP exam preparation

Architecture and Construction Foundations

(Arch&Constr Fdn) - CDX851

1 Semester - Grade 9, 10, 11, 12

Prerequisite

None

Course Description

This is a course for students interested in the architectural design and construction industry. The course content includes basic and advanced drawing skills, room design, rendering, model building, building codes and structural design. Students will spend substantial time learning to use computer animated design software (CAD). Students may take this course singly or as part as an engineering/architecture focus. Students of all levels of experience and ability can be successful in this class. Most assigned work can be completed in the class, but students can also expect up to ½ hour of homework per day.

Community Emergency Response Team - CVX211

1 Semester – Grade 9, 10, 11, 12

Prerequisite

None

Course Description

The Community Emergency Response Team (CERT) is a nationally recognized Federal Emergency Management Agency (FEMA) program that covers the topics of disaster preparedness, fire safety & suppression, disaster medical treatment, search & rescue, the Incident Command System, disaster psychology, and terrorism. Students enrolled in CERT will learn and master the skills of disaster medical treatment, fire suppression, triage, light search & rescue, and cribbing. Students successfully demonstrating the knowledge and skills of CERT will earn a FEMA certification and become part of the City of Redmond CERT Team. CERT is a skills based course ideal for students who prefer hands-on learning; throughout the semester students earn emergency response equipment to add to their emergency response pack. In addition, students will participate in American Heart Association first aid training (certification upon demonstration of knowledge and skills), radio communications, active shooter training, and other emergency response skills. Students work closely throughout the semester with Redmond Fire Department, Police Department, City Emergency Management, Redmond CERT volunteers, and other disaster response professionals.

Additional Information

\$25 class fee

Estimated Daily Homework

20 minutes

Introduction to Engineering Design – CDM801/CDM802

2 Semesters/1.0 CTE and/or Math Credit – Grade 9, 10, 11, 12

Dual College Credit Available

Prerequisite

None

Course Description

This introductory class focuses on the application of design principles and process. 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 pro-

posed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

Yearbook I - CDA151/CDA152

2 Semesters - Grade 9, 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Fine Arts graduation requirement

Prerequisite

None

Course Description

This course teaches students the creative and technical tools needed to create and publish the school yearbook. Students will receive comprehensive training in journalism, photography, and layout design utilizing multiple digital production tools. This career-based skills class is an opportunity to learn valuable skills in New Media Design and Publication needed to start a career in Magazine, Editing, Copywriting, Journalism, Communications, Public Relations, Graphic Design, and more. Students must have an interest in photography, design, or journalism and commit to covering some school activities and events during the school day, evenings and weekends.

Additional Information

Having some photography or design skills are helpful, but not required.

Estimated Daily Homework

Homework varies based on publication deadlines

Video Production I - CDA201/CDA202

2 Semesters - Grade 9, 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Fine Arts graduation requirement

Prerequisite

None

Course Description

This course addresses the fundamental skills, vocabulary, artistry and technology of professional video and film production. Students will learn broadcasting by producing school announcements, a video news magazine, school events and other broadcast production assignments. Students will learn teamwork, media ethics, media literacy, copyright, writing for broadcast, pre and post TV production skills, studio structure and aesthetics, camera procedures, lighting and audio techniques, and non-linear editing concepts. Students will learn digital hands-on broadcasting experience. Students will learn digital video camera skills, produce and edit news features and school events for school-wide viewing, including the weekly news program, Good Morning Redmond High School.

Estimated Daily Homework

15 minutes

Additional Information

Students in this course must have a desire to do the work necessary to create both entertaining and thought provoking videos that are engaging and educational.

Video Production II - CDA203/CDA204

2 Semesters - Grade 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Fine Arts graduation requirement

Prerequisite

Credit earned in Video Production I

Course Description

Students in this course will work to produce, shoot, film and edit a weekly RHS broadcast. Utilizing real-world mentality in the studio they will learn production roles, equipment and terminology mimicking a live broadcast environment. They will use and build on the skills learned in VP 1 with the added challenge and rigor of producing a weekly show with real deadlines and the creation of purposeful unique content.

Additional Information

The skills learned in this area will mainly be practices "on the job." Students will explore the history and developments of broadcast journalism and its effect on local, national and international culture. They will be tasked with writing stories, contacting and working with talent, coming up with and creating weekly segments and editing a weekly video to be shown during homeroom for RHS News.

Estimated Daily Homework

30-45 minutes

Photography I-A/I-B - CVA411/CVA412

2 Semesters - Grade 9, 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

None

Course Description

Photography is essentially the study of light. In this beginning level art course, students will learn to use the camera as an art tool. They will learn what it takes to make a good photograph not just a simple snapshot. They will think about what they see, and they will learn to design strong photographic compositions. Students will learn about the digital darkroom and how they can use it to create digital art. Students are required to participate in class discussions, work collaboratively, and spend a substantial amount of time working on out-of-school projects. Students are also required to be able to manage many different projects at the same time. Students will create an electronic portfolio.

Additional Information

There is a \$25 lab fee to cover printing, publishing and camera equipment costs. Students must have access to any kind of camera for this course.

Estimated Daily Homework

15 minutes in addition to a weekly independent photography assignment

Photography II-A/II-B - CVA413/CDA414

2 Semesters - Grade 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

Photography 1 credit earned

Course Description

In this advanced level art course, students will learn to use the camera as an art tool. They will learn what it takes to make a good photograph, not just a simple snapshot. They will think about what they see, and they will learn to design strong photographic compositions. Students must have experience with Adobe Photoshop and must be serious about expanding their portfolio - this is an advanced level course. Students will create a digital and print portfolio of work. Projects will include creative photography, digital manipulation, graphic design, video art and fine art in electronic form. Students are required to participate in class discussions, work collaboratively, and spend a substantial amount of time working on out-of-school projects. Students are also required to be able to manage many different projects at the same time.

Additional Information

There is a \$25 lab fee to cover printing, publishing and camera equipment costs. Students must have access to any kind of camera for this course.

Estimated Daily Homework

30 minutes working on a weekly independent photography assignment

Art and Design - CVA321/CVA322

2 Semesters - Grade 11, 12

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

Art 3 Credit earned. Seniors can take the class with Art 2 credit earned.

Course Description

This course was previously titled Studio Art. This course will meet in the same class as AP Studio Art. The curriculum will be the same, but fewer final pieces will be expected and little homework will be required from students who are fully on task in the classroom. Students will improve the breadth of their portfolios by completing assignments focusing on design skills and art skills. Students will develop their self-expression by completing a concentration of 6 pieces based on a theme developed by the student while working with the instructor. Students will build their portfolios while working in the areas of drawing, painting, printmaking, collage, ceramics, sculpture and others. Mastery of the elements and principles of art and design will be emphasized. Students will be required to complete written self-reflections and artist's statements as well as maintain a sketchbook.

Additional Information

There is a \$50 class fee that covers the cost of art supplies.

Estimated Daily Homework

20 minutes

AP Art and Design - CVA341/CVA342

2 Semesters - Grade 11, 12

Meets Occupational Education and Fine Arts graduation requirement

CADR

Dual College Credit Available

Students may potentially receive college credit and/or advanced placement from the University they plan to attend depending on the score they earn on the AP Exam.

Prerequisite

Art 3 Credit earned. Seniors can take the class with Art 2 credit earned.

Course Description

This course was previously titled AP Studio Art. Students will complete assignments that will be used to assemble a portfolio that meets the AP Studio Art examination standards. Students will improve the breadth of their portfolios by completing assignments focusing on design and art skills. Students will also develop their self-expression by completing a concentration of 12 pieces based on a theme developed by the student. Students will improve studio art and design skills for future art-related pursuits after high school. They will build their portfolios while working in the areas of drawing, painting, printmaking, collage, ceramics, sculpture and others. Mastery of the elements and principles of art and design will be emphasized. Students will be required to complete written self-reflections and artist's statements as well as maintain a sketchbook.

Additional Information

Preparation during the previous summer is required. There is a \$50.00 class fee that covers the cost of art supplies. There is an additional fee payable to the College Board for the AP Studio Art test. Students will need to purchase some supplies for use at home as well. Students who want an additional year of advanced art but do not want to be required to meet the very stringent AP requirements may take Studio Art. Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP exam.

Estimated Daily Homework

60 minutes daily plus AP exam preparation

Commercial Art and Design - CVA331/CVA332

2 Semesters - Grade 10, 11, 12

Meets Occupational Education and Visual/Performing Arts requirement.

CADR

Prerequisite

Art 1, Art2: Drawing/Painting 1, Digital Graphics and/or basic understanding of Adobe Creative Cloud programs.

Course Description

This is an advanced (art 3) class for art students who want to focus on applied design, with an emphasis on advanced watercolor and ink for design and illustration. Students will delve into the depths of watercolor and ink as they learn to master the media while creating finished works to complete a design portfolio. Projects will include Surface pattern design, texture design, concept illustration, fabric printing, greeting card design, fashion illustration, as well as the business side; marketing, working with clients, mock-ups, and photography for social media. Curriculum will be based on the principals of design and creating real-world design products.

Additional Information

\$30 lab fee

Estimated Daily Homework

30 minutes

American Sign Language I - CDL011/CDL012

2 Semesters - Grade 9, 10, 11, 12

Dual College Credit Available

Meets Occupational Education and World Language graduation requirement

CADR

Prerequisite

None

Course Description

American Sign Language is the third most spoken language in the United States. This beginning course introduces students to the remarkable visual language and culture of the deaf. It provides insights into deaf cultural values, deaf attitudes, the deaf community, and historical aspects of the language. Two years of American Sign Language satisfies the World Language entrance requirement for many Washington state colleges and universities. Due to the visual nature of the language, students are required to give in-class performances to demonstrate their language mastery. Students will practice signing in partnerships and small groups. By the end of the year, students will have a conversational knowledge of American Sign Language.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

American Sign Language II - CDL021/CDL022

2 Semesters - Grade 9, 10, 11, 12

Dual College Credit Available

Meets Occupational Education and World Language graduation requirement

CADR

Prerequisite

ASL 1 credit earned

Course Description

Students will expand on the communication skills learned in ASL1. Students will continue to learn ASL grammar rules and improve their expressive and receptive skills. Deaf culture will be explored in greater depth and detail. Students should expect to use ASL for most class communications. Due to the visual nature of the language, students are required to give in class performances to demonstrate their language mastery. Students will practice signing in partnerships and small groups.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

American Sign Language III – CDL031/CDL032

2 Semesters – Grade 9, 10, 11, 12

Dual College Credit Available

Meets Occupational Education and World Language graduation requirement

CADR

Prerequisite

Completion of second year

Course Description

Students will expand on their language skills learned in ASL 2. Students need a strong foundation in understanding and producing ASL. Students will continue to learn vocabulary and grammar rules and improve their expressive and receptive skills. Students will explore ASL related careers. Deaf culture will be explored in greater depth. All instruction will be in ASL. Students should expect to use ASL for all class communications. Due to the visual nature of the language, students are required to give in-class performances to demonstrate their language mastery. Students will practice signing in partnerships and small groups.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

Anatomy & Physiology - CDC561/CDC562

2 Semesters - Grade 11, 12

Dual College Credit Available

Meets both Occupational Education and Science graduation requirement

CADR

Prerequisite

Minimum of 1 semester of Biology credit earned

Course Description

Anatomy and Physiology is a problem-based science course designed to engage students who are interested in exploring the human body and/or are pursuing careers related to the biological or medical fields. This class studies the relationship between the structures and functions of selected organ systems and covers both gross and microscopic anatomy. This course is supported by required hands-on laboratory experiences that include animal (non-human) dissections. Coursework will include explorations of ethical issues in medicine, problem-based case studies, conceptual model-building, and extensive cooperative group work.

Additional Information

This course is a lab science with a \$30 class fee. Students must purchase a laboratory notebook and colored pencils. Part 1 of this course will cover the following systems: tissues, integument, skeletal, muscular, cardiovascular, and respiratory. Part 2 of this course will cover the following systems: digestive, excretory, nervous, endocrine, lymphatic, and reproductive systems.

Estimated Daily Homework

30 minutes

AP Environmental Science - CVC611/CVC612

2 Semesters - Grade 10, 11, 12

Dual College Credit Available

Meets both Occupational Education and Science graduation requirement

CADR

Prerequisite

Biology credit earned

Course Description

This course is designed to acquaint students with the physical, ecological, social, and political principles of environmental science. The scientific method is used to analyze and understand the inter-relationships between humans and the natural environment. The course shows how ecological realities and the material desire of humans often clash, leading to environmental degradation and pollution. The lab investigations and activities in this course are designed to challenge a student's abilities to critically observe environmental systems, think analytically and apply concepts to the solution of environmental problems. The goal is for students to master the scientific techniques and methodologies that will enable them to become independent learners, capable of gathering and evaluating information.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam. This course is a lab science.

Estimated Daily Homework

30-60 minutes plus AP exam preparation

Biotechnology – CDC121/CDC122

2 Semesters – Grade 10, 11, 12

Dual College Credit Available

Meets Science and Occupational Education graduation requirement

CADR

Prerequisite

Biology credit earned

Course Description

This is a hands-on, lab intensive course. Through this course, students will understand how technology can be used to analyze and modify living things. Students will explore and experience the applications of molecular biology, genetics, and biotechnology in research and industry. Emphasis will be placed on applications in the areas of global health, agriculture (GMOs), and conservation biology. Students will gain lab skills that directly translate to job skills in today's growing biotech and biomed industries. Lab skills learned include micropipetting, DNA fingerprinting through gel electrophoresis, bacterial transformation, protein electrophoresis, chromatography, spectrophotometry, polymerase chain reaction (PCR), ELISA, and bioinformatics using computer databases. Students will also explore, write about, and discuss the ethical issues related to the rapid advances occurring in biotechnology and its applications in human health, food and agricultural industries.

Additional Information

A \$20 course fee.

Estimated Daily Homework

15-30 minutes

Forensic Science - CDC821/CDC822

2 Semesters - Grade 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Science graduation requirement

CADR

Prerequisite

One year of Biology credit earned.

Course Description

Students will develop a foundation for how to work a crime scene, including maintaining the chain of custody and evidence collection. Students will identify a perpetrator and solve a crime by applying their knowledge of eyewitness accounts, hair, fibers, fingerprints, serology, blood spatter, and DNA during this one semester course. By the end of the course students will be able to analyze scientific evidence and come to a conclusion about potential suspects and the nature of a crime being analyzed, their conclusions will be summarized in an expert witness report. A variety of guest speakers will also be utilized to provide real-life applicability.

Additional Information

This course is a lab science.

Estimated Daily Homework

15-30 minutes twice a week

Human Services

Child Development I - CDX501

1 Semester - Grade 9, 10, 11, 12

Dual College Credit Available

Prerequisite

None

Course Description

This course focuses on basic human developmental and behavioral characteristics of children from conception to age six within the context of the family. Areas of study include principles of human growth and development, factors that impact human growth and development and theories and strategies that promote human growth and development, across the life span. Major assignments include end of unit tests, end of semester individual project, extended computerized infant simulation. By the end of this course students will be able to identify age specific characteristics of growth and development, analyze a variety of factors that contribute to the growth and development of an individual child, provide care for an infant or child.

Additional Information

\$10 class fee. College credit possible by completing both Child Development 1 and 2.

Estimated Daily Homework

15 minutes

Child Development II - CDX503

1 Semester - Grade 9, 10, 11, 12

Dual College Credit Available

Prerequisite

Child Development 1 credit earned.

Course Description

This course builds from the concepts learned in Child Development 1. This course focuses on basic human developmental and behavioral characteristics of children from conception to age six within the context of the family. Areas of study include principles of human growth and development, factors that impact human growth and development and theories and strategies that promote human growth and development, across the life span. Major assignments include experience working in an elementary school classroom children three days a week. By the end of this course students will be able to identify age specific characteristics of growth and development, analyze a variety of factors that contribute to the growth and development of an individual child, identify and apply concepts and theories to promote the healthy growth and development of a child at specific ages.

Additional Information

\$20 class fee. Students must have an off campus pass. District transportation will not be provided. College credit available after completion of course. Ideal for those considering education as a career path.

Estimated Daily Homework

15 minutes

Culinary Arts I - CVC731

1 Semester - Grade 9, 10, 11, 12

Meets Occupational Education and Science graduation requirement

Prerequisite

None

Course Description

This course focuses on basic food preparation skills and the role of foods and nutrition in human health and wellness. Cooking at least once a week, students learn the fundamentals of the kitchen, while making informed decisions about what they eat. This course will introduce the student to food handling practices, cooking methods, tool and equipment skills, safety and sanitation, recipe and menu development plus the history of food. Students will develop skills and competencies necessary for entry level positions in the culinary field and explore career possibilities. Major assignments include end of unit tests, cooking performance assessments, the making of an individual cookbook, and a home cooking project. By the end of this course, students will be able to use cooking techniques and skills to plan and prepare nutritious meals while observing proper safety and sanitation protocols.

Additional Information

\$25 class fee

Estimated Daily Homework

All in-class work, hands on culinary arts labs and gardening completed at school.

Food Science 1 - CDC721/CDC722

1 Semester - Grade 9, 10, 11, 12

Meets Occupational Education and Science graduation requirement

CADR

Prerequisite

None

Course Description

Ever wonder how mozzarella cheese is made, homemade candy is created, or how to use dry-ice to make ice cream? Food science is a lab-based course (taught in the kitchen) that integrates biological, chemical, and physical principles, content, and processes through food preparation and scientific labs. We discuss the use of food additives, functions of ingredients, acids and bases, nutrition, food storage and related aspects of human health and safety in correlation to food. Students address and propose solutions to real-world issues such as food waste and shortage and creating healthier food products. By the end of this course students will gain confidence and skills in food preparation and conducting scientific labs while making safe, nutritious and tasty food.

Additional Information

\$25 class fee

Estimated Daily Homework

Work not completed in class

Sustainable Design and Environmental Engineering - CDC621/CDC622

1 Semester - Grade 10, 11, 12

Meets Occupational Education and Science graduation requirement

Prerequisite

Biology, Engineering and Computer Science credit earned

Course Description

Students investigate and design solutions to solve real-world challenges related to clean drinking water, a stable food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to research and design potential solutions. Utilizing the activity-, project-, problem-based teaching, students transition from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Additional Information

This is a project-based lab class with a \$30 lab fee.

Estimated Daily Homework

Expect some time spent outside of school to work on completing projects for course, approximately 30 minutes per week.

Aerospace Engineering - CDC807/CDC808

1 Semester - Grade 10, 11, 12

Prerequisite

Geometry, Introduction to Engineering Design OR Physics/AP Physics credit earned

Course Description

This course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

Additional Information

This is a project based lab class with a \$30 lab fee.

Estimated Daily Homework

Expect some time spent outside of school to work on completing projects for course, approximately 30 minutes per week.

Engineering Design and Development - CVX809/CVX810

2 Semesters - Grade 9, 10, 11, 12

Prerequisite

Algebra 1, Introduction to Engineering Design credit earned

Course Description

Students will perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create, and test their solution prototype. Student teams will present and defend their original solution to a panel. While progression through the engineering design process, students will work closely with others to hone their organizational, communication, and interpersonal skills, their creative and problem solving abilities, and their understanding of the engineering design process.

Additional Information

This is a project based lab class with a \$30 lab fee.

Estimated Daily Homework

Expect some time spent outside of school to work on completing projects for course, approximately 30 minutes per week.

Technical Theater - CDA511/CDA512

2 Semesters - Grade 9, 10, 11, 12

College Credit Available

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

None

Course Description

Students in this course will concentrate on the major areas of theatre design, technology and production. Set design, costume design, lighting, sound, construction and make-up will be emphasized. Careers will be explored through interaction with professional artists in the technical trades and entertainment industry. This course is well suited for designers, technicians, actors, kinesthetic learners, artists and anyone interested in the background workings of a theatre production.

Additional Information

The skills learned in this area will mainly be practices “on the job.” Students will explore the history and developments of design and technology and how those influence decisions for the stage. They will have design projects associated with theoretical as well as current productions taking their ideas from concept through build and execution. Students also have the opportunity to refine their skills in a real world situation with the many theatre productions that RHS.

Estimated Daily Homework

20-30 minutes

Worksite Learning – CVX111/CVX112

180 hrs. work = .5 credits. Students can earn up to two credits during high school career - Grades 10, 11, 12

Prerequisite

Previous or concurrent enrollment in a CTE course. Must be 16 years old. Must be employed in a job in which taxes are paid and employer has tax ID number.

Course Description

Students who are taking or have taken and successfully completed a CTE course are eligible to earn credit for learning on the job. Students will be registered in an after-school class but the actual time for this course will be the hours the students spend working at their jobs before/ after school. Students must be employed in an approved, supervised job during the time they are registered for this course. Students must complete a minimum of 180 hours of work for each .5 credit awarded. In addition, students will have to sign a training agreement, turn in work hours on a monthly basis, and participate in a formal evaluation process before credit can be awarded. Depending on the student’s high school credit status, he/she may be able to qualify for early release or late start from school in order to go to work. Counselor and administrator permission will be required for early release or late start. For more information about registering for this course, contact instructor.

Teaching Academy I – CDX221/CVX222

2 Semesters/1.0 Credit – Grades 10, 11, 12

College Credit Available

Prerequisite

Child Development I is recommended but not required.

Course Description

Do you want to be a teacher? Would you like to potentially work for Lake Washington School District in the future? Then this course is for you! The Teacher Education Academy (TEAch) program is aimed at recruiting, preparing, and mentoring students to prepare them to become future teachers in our district. This course follows the State of Washington’s “Recruiting Washington Teachers” curriculum focusing on the thematic units and hands-on experience: Healthy Learning Community, Culture and Identity, Equity and Opportunity, Equity Pedagogy, College Access and Success, and a Practicum/Internship. In year two of the program (to be offered in the 2021-2022 school year), students complete a teaching internship, mentor first year teachers, and prepare for Paraprofessional Certification. Students completing both years of the program are eligible for preferred student teacher placement in Lake Washington School District in the future and will be eligible to interview for Paraprofessional positions in the district at age 18, upon high school graduation and completion of Paraprofessional Certification.

Additional information

Course Fee \$10

Estimated Daily Homework

0-30 minutes

Video Game Design - CDX905/CDX906

2 Semesters - Grade 9, 10, 11, 12

College Credit Available (pending)

Prerequisite

None

Course Description

Students will create, test, revise and refine their own video games. Existing, free tools will be used by students to create a wide variety of types of games. In addition to creating their own games, students will analyze the design elements of existing games, understanding the reasons behind game design decisions from the perspectives of both the players and the creators.

Students will both make and analyze games of different types, including text based storytelling games, action games, role playing games and puzzle games. Students will also be the beta-testers for each others games, learning to provide appropriate and useful feedback. After the introductory series of very small games of each type, each student will pick a type of game to focus on and make a larger version. They will need to create, test, gather feedback, refine and redo their game.

Estimated Daily Homework

0-30 minutes

Family Health - CDH511

1 Semester - Grade 10, 11, 12

College Credit Available

Meets Health and Occupational Education graduation requirement

Prerequisite

None

Course Description

This course is designed to teach students the importance of “optimal wellness” with respect to personal health in today’s society and how these health related topics relate to our micro-community and world. Some specific topics that will be covered include: nutrition; genetics; CPR; human sexuality and other mental, social and physical health related issues. Current health events will be emphasized using speakers, videos, small and large group discussion and student lead teaching.

Estimated Daily Homework

0-30 minutes

AP Psychology - CVS561/CVS562

2 Semesters - Grade 11, 12

UW College in the High School credit available

Meets Occupational Education and Social Studies graduation requirement

CADR

Prerequisite

None

Course Description

Students will complete 14 Units of Study: History and Approaches, Research Methods, Biological, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental, Personality, Testing, Psychological Disorders, Therapy, and Social. Grades are based on tests, notebooks, assignments, and participation. Major assignments include: Creating a Survey, Sleep/Dream Record, 3 Types of Learning, Autobiography, Personality Assessment, and a Psychological Disorder/Therapy. By the end of this course students will have learned relevant and applicable lessons to add to their daily lives.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam. Students may sign up for 5 credits of Psych 101 from the University of Washington. The cost is ¼ of on campus tuition. Students will get access to UW online libraries and receive a transcript. The UW grade is based on the entire year of study.

Estimated Daily Homework

30 minutes plus AP exam preparation

Psychology - CVS551/CVS552

1 Semester - Grade 10, 11, 12

Meets Occupational Education and Social Studies graduation requirement

CADR

Prerequisite

None

Course Description

This course will introduce students to the fundamental principles of psychology and to the major subjects of psychological inquiry. Students will complete eight units of study: Behavioral Neuroscience, Sensation and Perception, States of Consciousness, Learning, Development, Personality, Psychological Disorders, and Therapy.

Estimated Daily Homework

15-30 minutes

AP Statistics - CVM301/CVM302

2 Semesters - Grade 11, 12

Meets Math and Occupational Education graduation requirement

CADR

Prerequisite

Algebra 2 or Algebra 2 Honors credit earned

Course Description

This course is an introduction to the major concepts and tools for collection, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) exploring data, describing patterns and departures from patterns; (2) sampling and experimentation, planning and conducting a survey; (3) anticipating patterns, exploring random phenomena using probability and simulation; and (4) statistical inference, estimating population parameters and testing hypothesis. Some major assignments include designing and implementing sample surveys, observational studies, and experiments, critical statistical analysis of real-life data. By the end of this course student will have a working knowledge of the ideas and tools of practical statistics and be able to make informed decisions based on data. (District Adopted Curriculum: The Practice of Statistics).

Additional Information

A graphing calculator is required for this course (TI 83+ or TI84 preferred). Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

45-60 minutes plus AP exam preparation

Industrial Design - 3D Printing - CVA371

1 Semester – Grade 9, 10, 11, 12

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

Concurrent enrollment or credit earned in Art 1/Honors Art 1

Course Description

Students will design a variety of 3D objects that will come to life as they are printed on our 3D printers. They will also make designs for virtual 3D environments such as games and animated movies. They will learn about careers that are available to those who have mastered these skills such as product design, jewelry design, fashion design, game design, industrial design, and engineering. Students will make a public sculpture, an architectural design, and make a functional object of their own choice that would be ready to be posted on Kickstarter or Etsy. They will learn how to use a variety of software tools for 3D design such as Adobe Fusion 360, Sketchup, and Tinkercad. Students will learn Design Thinking from the curriculum that the Stanford Design School shares so they can learn how to build prototypes to solve real world problems, creating both artistic expressions and practical solutions that make the world a better place.

Additional Information

A \$25 lab fee to cover the costs of materials.

Estimated Daily Homework

15 minutes

Leadership I: Development - CVX151

1 Semester – Grade 9, 10, 11, 12

Prerequisite

None

Course Description

Leadership Development combines the study of leadership styles and theories with reflection and activities to help students understand themselves as individuals and develop the skills they need to work in groups and become successful leaders in their school and community. Leadership Development is a non-ASB leadership class.

Estimated Daily Homework

15-30 minutes

Retail Operations - CDX421/CDX422

1 Credit/1 Year - Grade 10, 11, 12

CTE Dual Credit

Prerequisite

Teacher permission

Course Description

This course utilizes the 21st Century skills developed in previous business and marketing classes. Students will gain in-depth understanding of marketing strategies from a management perspective. Students will conduct research, analyze budget forecast, and operate a successful business. Areas of emphasis include human resources, marketing research, strategic planning, e-commerce and global marketing. The sources of application are the student store and business simulations. In addition, students are involved in DECA (Distributive Education Clubs of America) and leadership activities, such as attending professional conferences and community service.

Additional Information

Course fee \$38

Estimated Daily Homework

15 minutes

9th Grade

Freshmen will need to select a year long course to satisfy the 1.0 credit requirement for English in grade 9

English 9 - ENG121/ENG122

2 Semesters - Grade 9

CADR

Prerequisite

None

Course Description

English 9 is designed to develop skills in reading, writing, and communication. Beginning with acclaimed short stories and foundational skills, students will then encounter memoir, myths and plays from the Classical era, Shakespearean works and dystopic literature. Major assignments in this course include end of unit tests, in-class timed writes, play performance, speeches, group projects, essay writing, and reading in a variety of genres. By the end of this course, students will have the reading and writing skills and knowledge necessary for success in future high school English courses.

Estimated Daily Homework

30 minutes

Honors English 9 - ENG171/ENG172

2 Semesters - Grade 9

CADR

Prerequisite

None

Course Description

Honors English 9 is designed to develop skills in reading, writing, and communication for students who desire an accelerated and enriched curriculum that will prepare them for future Advanced Placement and college prep courses. Beginning with acclaimed short stories and foundational skills in literary analysis, students will then encounter memoir, plays and epic poetry from the Classical era, Shakespearean works and dystopic literature. Major assignments in this course include end of unit tests, essay writing, in-class timed writing, rhetorical analyses, play performances, speeches, group projects, and independent reading in a variety of genres. Students should be prepared to read and write extensively, contribute to in-depth class discussions, work collaboratively with others, and display self-motivated attitudes toward learning.

Estimated Daily Homework

30-60 minutes

10th Grade

Sophomores will need to select a year long course to satisfy the 1.0 credit requirement for English in grade 10

English 10 - ENG221/ENG222

2 Semesters - Grade 10

CADR

Prerequisite

None

Course Description

English 10 is designed to further strengthen skills in reading, writing, and communication. Beginning with Shakespeare (1500's) through modern day, students will explore the literature of the world including (but not limited to): *Macbeth*, *The Metamorphosis*, *All Quiet on the Western Front*, *Night*, and *The Kite Runner*. Specific writing focus will include gained proficiency in organization, style, and depth of content. Students will also be offered verbal expression opportunities through in-class discussion, speech presentation, theatrical performances, and small group discussion. Major assignments may include end of unit tests, in class timed writes, play performance, speeches, group projects, essay writing and reading a variety of genres. By the end of this course, students will be able to properly organize and construct an academic essay, identify and apply literary devices and write, prepare and deliver a speech effectively.

Estimated Daily Homework

30 minutes

Honors English 10 - ENG271/ENG272

2 Semesters - Grade 10

CADR

Prerequisite

None

Course Description

This honors course examines the literature of the world from 1450 to the present. Students will explore the Early Modern Era (1450-1750), Modern Era (1750-1900), and the 20th century to the present day. By the end of this course, students will have the analytical reading and writing skills and knowledge necessary for success in future advanced high school English courses, including AP Language and AP Literature.

Estimated Daily Homework

30-60 minutes

11th Grade

Juniors will need to select a year long course to satisfy the 1.0 credit requirement for English in grade 11

English 11 - ENG321/ENG322

2 Semesters - Grade 11

CADR

Prerequisite

None

Course Description

English 11 is a writing based course designed with American Literature as the content source. First semester units include literature of Native Americans, Puritans, Age of Reason, as well as Romanticism and Realism. Authors include, but are not limited to, Alexie, Edwards, Paine, Jefferson, Franklin, Poe, Hawthorne, Melville, Emerson, Thoreau, Twain, Steinbeck, Angelou and Fitzgerald. Major assignments will include vocabulary building, quizzes, unit exams, essay writing, research paper writing, speeches and group work. By the end of this course students will be able to write a cohesive literary essay using the steps of the prewriting process and understand and apply literary concepts to American literature.

Estimated Daily Homework

30-60 minutes

AP English Language and Composition - ENG491/ENG492

2 Semesters - Grade 11

CADR

Prerequisite

None

Course Description

The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts in addition to becoming skilled writers who compose for a variety of purposes. The purpose of the AP curriculum is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students will study a wide variety of non-fiction to gain understanding of the connections between interpretive skill in reading and writing. Major assignments include timed writes, Socratic discussions, synthesis argument and research projects and rhetorical analysis. By the end of this course, students will be able to write college level essays, have the skills necessary to complete a college level exam, and demonstrate control of language at the college level.

Additional Information

Students will prepare for and should plan to register for the AP Exam in Language/Composition in the fall. Students will be required to provide some of their own books and materials. Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

30-60 minutes plus AP exam preparation

12th Grade

English 12 - ENG421/ENG422

2 semesters

CADR

Prerequisite

None

Course Description

English 12 is a literature-based reading and writing course designed to prepare students to meet the challenges of academic reading and writing in college. Students will experience author study, genre study, and theme-based literature selections representing a variety of voices and literary eras. Writing units will focus around different modes of development including personal narrative or the college application essay, literary analysis, and the research paper. Working independently and workshopping with their peers, by the end of this course students will be able to proficiently analyze college level texts and be able to write for a variety of audiences and purposes to demonstrate the skills needed for college-level writing.

Estimated Daily Homework

30 minutes

Honors English 12 - ENG471/ENG472

2 semesters

CADR

Prerequisite

None

Course Description

Honors English 12 is a literature-based reading and writing course designed to challenge the college-bound senior level student for meeting the demands and requirements of academic reading and writing in college. Students will experience author study, genre study, and theme-based literature selections of higher complexity texts representing a variety of voices and literary eras. Writing units of greater frequency and rigor will focus around different modes of development including personal narrative or the college application essay, literary analysis, the extended definition essay, writing in the media, and the research paper. Working independently and workshopping with their peers, by the end of this course students will be able to independently analyze college level texts and be able to write for a variety of audiences and purposes to demonstrate the skills needed for college-level writing.

Estimated Daily Homework

30-60 minutes

AP Literature and Composition - ENG495/ENG496

2 Semesters - Grade 12

CADR

Prerequisite

None

Course Description

This course provides a challenging writing/literature environment for the motivated, college bound student with advanced skills. Major assignments include intense study of novels, stories, plays and poetry from the AP reading list, composition techniques, timed writing, multiple choice tests and the study of literary terms. By the end of this course students will be able to write quality analysis essays, feel comfortable with timed writing and multiple choice tests, and feel prepared for a college level course.

Additional Information

Students will prepare for and should plan to register for the AP Exam in Literature/Composition in the fall. Students will be required to provide some of their own books and materials. Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

30-60 minutes plus AP exam preparation

Electives

Students can select these courses as additional English credits earned. These courses should not replace the 1.0 credit options listed in each of the previous sections.

Creative Writing 1 - ENG611

1 Semester - Grade 10, 11, 12

CADR

Prerequisite

None

Course Description

This course focuses on creative inspiration through several exercises in creative thinking and writing such as stream of consciousness, imagery, and self-reflection. Following poetry, students will learn and experiment with various short story elements and genres, including, but not limited to, Action/Adventure, Romance, Sci-fi, Fantasy, Drama, and Thrillers. Major assignments include journaling and in-class activities. By the end of this course, students should improve in writing detail and using emotion in words and in writing skills and practice evaluation and constructive criticism through writing groups and class sharing.

Estimated Daily Homework

30-60 minutes

Film Analysis - ENG531

1 Semester - Grade 11, 12

Prerequisite

English 9 and English 10 credit earned

Course Description

With a look at cinematography, music, narrative structure, genre, and thematic elements, students will analyze a variety of films. Such films include: Inception, Citizen Kane, Rebel Without a Cause, Cool Hand Luke, The Godfather, The Shawshank Redemption, Good Will Hunting, as well as many others. Students will engage in structured discussions, essay writing, close viewing of individual scenes, and note-taking in order to construct and demonstrate a larger understanding of films viewed. By the end of the course, students will be able to express orally and through discriminating essays how films render specific effects on the viewer.

Additional Information

R-rated permission slip for those students under the age of 18 required.

Estimated Daily Homework

20-30 minutes

Speech and Debate - ENG661

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

This course will help to develop and improve student critical thinking, research and communication skills through competition and practice. Major assignments include practice in specific debate formats (including Public Forum, Lincoln-Douglass and Cross-Examination) speech events including expository, extemporaneous, interpretation, impromptu, and oratory, writing speeches, essays and arguments, formal presentations and research projects. Depending on interest and availability, students may also have the option to participate in speech and debate competitions outside of class. By the end of this course students will be able to apply the skills of problem solving, analysis, evaluation and public speaking. They will also be able to write and give speeches confidently and prepare research and analysis of topics.

Estimated Daily Homework

30-45 minutes

Health

Family Health - CDH511

1 Semester - Grade 10, 11, 12

College Credit Available

Meets Health and Occupational Education graduation requirement

Prerequisite

None

Course Description

This course is designed to teach students the importance of "optimal wellness" with respect to personal health in today's society and how these health related topics relate to our micro-community and world. Some specific topics that will be covered include: nutrition; genetics; CPR; human sexuality and other mental, social and physical health related issues. Current health events will be emphasized using speakers, videos, small and large group discussion and student lead teaching.

Estimated Daily Homework

0-30 minutes

Lifetime Fitness - HEA445/PED445

2 Semesters - Grade 9

Credit: 0.5 Health/0.5 PE

Prerequisite

None

Course Description

This course is designed to teach students the importance of personal health choices and healthy life habits in today's society. Some specific topics that will be covered include: nutrition, family health/history, CPR, human sexuality and other mental, social and physical health related issues. Current health events will be discussed and emphasized using guest speakers, videos, small and large group discussion. Students will also participate in physical activity in an effort to build healthy life habits and educate them on life-long activities. Students will participate in weekly cardiovascular endurance related activities and games such as mile runs, 5k runs, soccer games, basketball, etc. Students will also learn about games and activities that require physical activity which are potential life-long activities such as volleyball, ultimate Frisbee and softball.

Additional information

This course is organized into roughly 2 week units. Two weeks will be spent in the classroom and 2 weeks outside or in the gym, this pattern will be continued for the duration of the school year. Successful completion of both semesters will result in .5 Health credit (which will satisfy the high school graduation requirement) in addition to a .5 PE credit).

Estimated Daily Homework

15-30 minutes

Leadership & Service Opportunities

High School Academy - ELE241

1 Semester - Grade 9

Prerequisite

None

Course Description:

High School Academy is a new course designed to give Freshmen a voice and the support they need to succeed at RHS. This is a class that works for 9th graders who are curious about how to meet new

people, earn better grades and become more confident and comfortable with being a high school student. There will be little or no homework, but we will work hard in class on challenging projects meant to give students practical school and life skills. Skills will include: navigating the high school social scene, dealing with anxiety, presenting and public speaking, time management, communication with adults and what it means to be a leader.

Estimated Daily Homework

None

Leadership I - CVX151

1 Semester - Grade 9, 10, 11, 12

Prerequisite

None

Course Description

Leadership Development combines the study of leadership styles and theories with reflection and activities to help students understand themselves as individuals and develop the skills they need to work in groups and become successful leaders in their school and community. Leadership Development is a non-ASB leadership class.

Estimated Daily Homework

15-30 minutes

Peer Tutor - ELE101

1 Semester - Grade 10, 11, 12

Prerequisite

Application required

Course Description

Students will work with teachers to support peers in math, English, science, and/ or world language courses. This is a credit bearing class and will count as general elective credit.

Additional Information

Application is required for this course. Students will be placed as a Peer Tutor based on subject preference, grade history, and staff recommendation.

Estimated Daily Homework

None

Peer Tutor: Mentoring with Special Needs Students - ELE161

1 Semester - Grade 9, 10, 11, 12

Credit: Elective

Prerequisite

None

Course Description

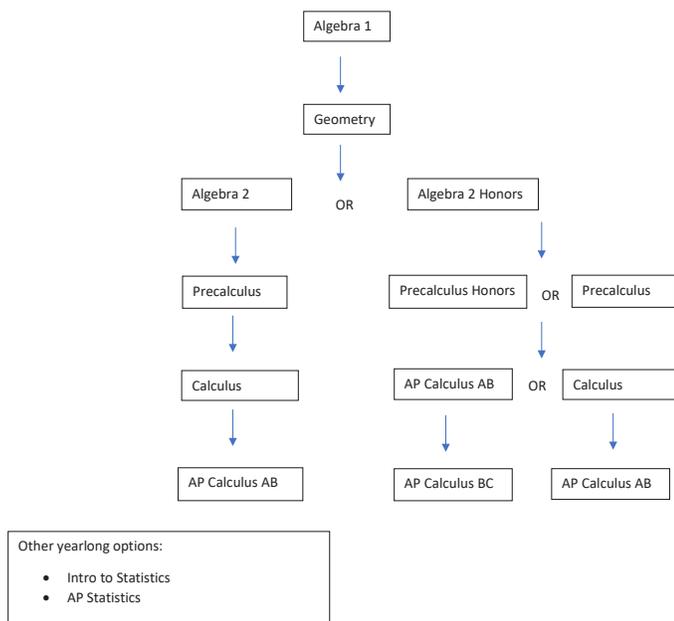
This class provides students the opportunity to work with students with significant disabilities. Peer coaches will assist students with special needs in either general education classrooms or in the transition classrooms. Students will be expected to model appropriate classroom behaviors, demonstrate interpersonal skills, and tutor students in all areas.

Additional Information

Peer tutors will assist RHS students with jobs or school tasks around campus.

Estimated Daily Homework

15-30 minutes



Algebra 1 - MAT241/MAT242

2 Semesters – Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

Algebra 1 formalizes and extends the mathematics that students learned in the middle grades. The course focuses on five critical areas: (1) develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities, and simple exponential functions, and using them to solve problems; (2) compare and contrast linear and exponential functions, translate between different representations, use function notation, and interpret arithmetic sequences as linear functions and geometric sequences as exponential functions; (3) using regression techniques to describe linear relationships quantitatively and make judgments about the appropriateness of linear models; (4) extend the laws of exponents to rational exponents, see structure in and create quadratic and exponential expressions, and solve equations, inequalities and systems of equations involving quadratic expressions; and (5) compare quadratic, linear, and exponential functions to model phenomenon. They also identify the real solutions of quadratic equations as the zeroes of a related quadratic function and expand their experience to more specialized functions – absolute value, step, and those that are piecewise-defined. The Mathematical Practice Standards apply throughout the course, and together with the content standards allow students to experience math as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Additional Information

A scientific calculator is required for this course. A graphing calculator is strongly suggested for this course.

Estimated Daily Homework

30 minutes

Geometry - MAT321/MAT322

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Algebra 1 credit earned

Course Description

In Geometry, students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The course focuses on six critical areas: (1) using previous experience with rigid motions, students develop notions about what it means for two objects to be congruent, establish triangle congruence based on these rigid motions along with formal constructions, and use this as a familiar foundation for the development of formal proof, solving problems and proving theorems about triangles, quadrilaterals, and other polygons; (2) build a formal understanding of similarity, using earlier experience with dilations and proportional reasoning, and apply similarity to right triangle trigonometry and the Pythagorean Theorem, and use the Laws of Sines and Cosines to find missing measures; (3) work with the geometry of two- and three-dimensional objects, as well as shapes of cross-sections and the result of rotating a two-dimensional object about a line; (4) build on the previous work with the Pythagorean Theorem to find distances and use a rectangular coordinate system to verify geometric relationships, including properties of special right triangles and quadrilaterals, slopes of parallel and perpendicular lines, and the connection of geometric and algebraic definitions of the parabola; (5) prove basic theorems about circles, and use coordinate geometry to find equations of circles and determine intersections between lines and circles or parabolas, or between two circles; and (6) compute and interpret theoretical and experimental probabilities of compound events to make informed decisions, and make use of geometric probability models whenever possible. The Mathematical Practice Standards apply throughout the course, and together with the content standards allow students to experience math as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Additional Information

A scientific calculator, compass, protractor, and ruler are required for this course.

Estimated Daily Homework

30 minutes

Algebra 2 - MAT261/MAT262

2 Semesters – Grade 9, 10, 11, 12

CADR

Prerequisite

Algebra 1 and Geometry credit earned

Course Description

Students extend their work with functions to include polynomial, rational, and radical functions. The course focuses on four critical areas: (1) multiply and divide polynomials, identify zeros of polynomials, including complex zeros of quadratic polynomials and make connections between zeros of polynomials and solutions of polynomial equations (including the fundamental theorem of algebra); (2) use the coordinate plane to extend trigonometry to model periodic phenomena; (3) solve exponential equations with logarithms, explore transformation on graphs of diverse functions, and adjust the param-

eters of a variety of functions to model a situation; and (4) identify different ways of collecting data (sample surveys, experiments, and simulations) and the role that randomness and careful design play in the conclusions that can be drawn. The Mathematical Practice Standards apply throughout the course, and together with the content standards allow students to experience math as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Additional Information

A scientific calculator is required for this course.
A graphing calculator is suggested.

Estimated Daily Homework

30 minutes

Honors Algebra 2 - MAT271/MAT272

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Algebra 1 credit and Geometry credit earned

Course Description

Honors Algebra 2 is a course designed for students who wish to extend and deepen their mathematical knowledge. This course continues the study of algebra and is designed particularly for the student with high interest in mathematics and a solid algebra foundation. The honors track includes a deeper focus on critical thinking and analytical skills by providing students with more challenging problems and assignments. This course is a key course in the sequence to AP Calculus. It transitions students to a high level of mathematical maturity. It will serve as a base for the study of business, economics, statistics, engineering, life sciences, medicine, physical sciences, computer science, and any technical field. Concepts include functions and relations, systems of equations, real and complex numbers, exponential and logarithmic functions, arithmetic and geometric sequences, conic sections, and statistics and probability. Problem solving and application to real world problems are integrated throughout the course. Understanding of concepts is stressed rather than rote memorization of skills.

Additional Information

A graphing calculator is required for this course

Estimated Daily Homework

30 minutes

Introduction to Statistics - MAT503/MAT504

2 Semesters - Grade 11, 12

CADR

Prerequisite

Algebra 2 credit earned

Course Description

This non-AP course will focus on developing statistical ideas and reasoning in the context of such fields as education, psychology, politics, entertainment, and business. Students themselves will gather data and apply their statistical understanding to their areas of interest. While mathematical derivations are important to the course, emphasis will be placed on developing the important elements of statistical thinking. Ample student projects, papers and discussion will guide the assessment process. By the end of the course, students should feel confident taking an introductory college statistics course for the social sciences.

Additional Information

A graphing calculator will be required for this course.

Estimated Daily Homework

30 minutes

AP Statistics - CVM301/CVM302

2 Semesters - Grade 11, 12

Meets Math and Occupational Education graduation requirements

CADR

Prerequisite

Algebra 2 or Honors Algebra 2 credit earned

Course Description

This course is an introduction to the major concepts and tools for collection, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) exploring data, describing patterns and departures from patterns; (2) sampling and experimentation, planning and conducting a survey; (3) anticipating patterns, exploring random phenomena using probability and simulation; and (4) statistical inference, estimating population parameters and testing hypothesis. Some major assignments include designing and implementing sample surveys, observational studies, and experiments, critical statistical analysis of real-life data. By the end of this course student will have a working knowledge of the ideas and tools of practical statistics and be able to make informed decisions based on data. (District Adopted Curriculum: The Practice of Statistics).

Additional Information

A graphing calculator is required for this course (TI 83+ or TI84 preferred). Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

45-60 minutes plus AP exam preparation

Precalculus - MAT611/MAT612

2 semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Algebra 2 or Honors Algebra 2 credit earned

Course Description

This course builds on mathematical content covered in Algebra 2. It prepares students for college level mathematics courses and more specifically for Calculus. Topics covered include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometry (trigonometric functions of any angle, graphs of trigonometric functions, inverse trigonometric functions), analytic trigonometry (using and verifying trigonometric identities, solving trigonometric equations), law of sines and cosines, matrices and determinants, sequences and series, and analytic geometry (conic sections). By the end of this course, students will be ready to continue studying advanced mathematics topics like Calculus. This course is recommended for students who earned Algebra 2 credit or a B- or lower in Honors Algebra 2.

Additional Information

A graphing calculator is required for this course.

Estimated Daily Homework

30 minutes

Calculus - MAT621/MAT622

2 Semesters – Grade 10, 11, 12

CADR

Prerequisite

Credit earned in Precalculus or Honors Precalculus

Course Description

This course is designed for students who wish to continue studying higher – level mathematics in college. Topics covered include higher level radicals, inequalities, conics, trigonometry (first quarter). Three quarters are dedicated to calculus topics such as limits and their properties, differentiation (differentiation rules, implicit differentiation, related rates), applications of differentiation (increasing and decreasing functions, concavity and the second derivative test, curve sketching, optimization problems), introduction to integration (anti-derivatives and indefinite integration, area, definite integrals, and the Fundamental Theorem of Calculus). This course will prepare students for AP Calculus AB or the first course in a Calculus Series courses in college.

Additional information

A graphing calculator is required for this course

Estimated Daily Homework

30 minutes

Honors Precalculus - MAT615/MAT616

2 semesters – Grade 9, 10, 11, 12

CADR

Prerequisite

Honors Algebra 2 credit earned

Course Description

This course prepares the students for further rigorous study in advanced mathematics like AP Calculus AB. Topics covered include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometry (trigonometric functions of any angle, graphs of trigonometric functions, inverse trigonometric functions), analytic trigonometry using and verifying trigonometric identities, solving trigonometric equations), law of sines and cosines, matrices and determinants, sequences and series, analytic geometry (conic sections). In addition, topics like vectors in the plane, complex plane and the trigonometric form of a complex number, mathematical induction, parametric equations, polar coordinates, graphs of polar equations and introduction to limits, are also studied. This course moves at a fast pace and requires excellent study and homework habits.

Additional Information

A graphing calculator is required for this course. TI84 or a higher model is preferred.

Estimated Daily Homework

30-45 minutes

AP Calculus AB - MAT631/MAT632

2 Semesters - Grade 10, 11, 12

CADR

Prerequisite

Honors Precalculus credit earned or calculus credit earned

Course Description

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. (District Adopted Curriculum: Calculus of a Single Variable AP Edition 11e).

Additional Information

A graphing calculator is required. Students must pass first semester to continue to second semester. Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

45-60 minutes plus AP exam preparation

AP Calculus BC - MAT641/MAT642

2 Semesters - Grade 11, 12

CADR

Prerequisite

AP Calculus AB credit earned

Course Description

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiments, interpret results, and support conclusions. (District Adopted Curriculum: Calculus AP Edition 11e).

Additional Information

A graphing calculator is required. Students must pass first semester to continue to second semester. Also, students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

45-60 minutes plus AP exam preparation

AP Computer Science A - CDM911/CDM912

2 Semesters - Grade 10, 11, 12

UW College in the High School Credit Available

Meets Occupational Education and Math graduation requirements

CADR (senior year)

Prerequisite

Algebra 2 credit earned

Course Description

This class is part of the University of Washington in the High School program. Students may take it for simultaneous credit in the high school and at the University, where the class designation is CS 142. The University of Washington credit is transferrable to most other colleges and universities in the state of Washington. By the end of this course students will be able to design and implement computer solutions to a variety of problems; understand and apply well-known computer algorithms; understand and take advantage of computer system components; and write well-structured, understandable, and reusable programs using the Java and C# programming languages. Among the computer science algorithms learned are object-oriented design and program construction, program flow and control, common searching and sorting algorithms, variables, arrays, and lists, project design and control. Major assignments include a simulation of the Washington State Lottery system, design and programming of a statistics-based game, participation in the annual Microsoft Hunt-the-Wumpus competition held each year on the Microsoft campus.

Additional Information

Students are encouraged to provide a USB drive for transporting work between school and home.

Estimated Daily Homework

30 minutes plus AP exam preparation

Introduction to Engineering Design – CDM801/CDM802

2 Semesters/1.0 CTE and/or Math Credit – Grade 9, 10, 11, 12

Dual College Credit Available

Prerequisite

None

Course Description

This introductory class focuses on the application of design principles and process. 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 solutions to peers and members of the professional community.

Physical Education 1 - PED111

1 Semester - Grade 9, 10

Prerequisite

None

Course Description

This class is an introduction to general Physical Fitness. The goal is for students to participate in appropriate physical activities to achieve fitness and to demonstrate an understanding of the training and skill work necessary to improve. Students will learn rules, skills and strategies associated with many physical activities. Units may include badminton, pickle ball, basketball, volleyball, flag football, soccer, ultimate frisbee, lacrosse, team handball, weight training and personal fitness. In addition, students will learn to make informed decisions in promoting physical fitness. Some assignments will include an individual physical fitness plan that will improve cardiovascular, strength and flexibility fitness. By the end of this course students will be able to demonstrate an understanding of equipment, rules, strategies, skills and teamwork necessary to participate and appreciate individual and team sports. Students will demonstrate and understand safety practices when participating in physical activities and demonstrate knowledge of competence in and appreciation of physical fitness. Students will also demonstrate willingness to participate and cooperate with people of varying abilities.

Additional Information

Students are required to suit up and participate to the best of their ability daily. Required uniform of t-shirt and shorts must be purchased for \$15 at the bookkeeper.

Estimated Daily Homework

Minimal throughout the semester

Physical Education 2 - PED211

1 Semester - Grade 10, 11, 12

Prerequisite

None

Course Description

This class is a continuation of general Physical Fitness. Students will demonstrate a more specialized knowledge in identifying and applying key movement and motor skills and concepts. Students will participate in individual and team sports as well as ongoing fitness units throughout the semester.

Additional Information

Students are required to suit up and participate to the best of their ability daily. Required uniform of t-shirt and shorts must be purchased for \$15 at the bookkeeper.

Estimated Daily Homework

Minimal throughout the semester

Lifetime Fitness – HEA445/PED445

2 Semesters – Grade 9

Credit: 0.5 Health/0.5 PE

Prerequisite

None

Course Description

This course is designed to teach students the importance of personal health choices and healthy life habits in today's society. Some specific topics that will be covered include: nutrition, family health/history, CPR, human sexuality and other mental, social and physical health related issues. Current health events will be discussed and emphasized using guest speakers, videos, small and large group discussion. Students will also participate in physical activity in an effort to build healthy life habits and educate them on life-long activities. Students will participate in weekly cardiovascular endurance related activities and games such as mile runs, 5k runs, soccer games, basketball, etc. Students will also learn about games and activities that require physical activity which are potential life-long activities such as volleyball, ultimate Frisbee and softball.

Additional information

This course is organized into roughly two week units. Two weeks will be spent in the classroom and two weeks outside or in the gym, this pattern will be continued for the duration of the school year. Successful completion of both semesters will result in .5 Health credit (which will satisfy the high school graduation requirement) in addition to a .5 PE credit).

Estimated Daily Homework

15-30 minutes

Lifetime Sports - PED441

1 Semester - Grade 11, 12

Prerequisite

None

Course Description

Want to experience fitness in fun, exciting new ways? Then, this course is for you! Experience all different types of sports and games that you can learn and play for the rest of your life. Set your own personal fitness goals and learn how to reach them.

Additional Information

Students are required to suit up and participate to the best of their ability daily. Required uniform of t-shirt and shorts must be purchased for \$15 at the bookkeeper.

Estimated Daily Homework

Minimal throughout the semester

Racquet & Net Sports - PED421

1 Semester – Grade 10, 11, 12

Prerequisite

PE 1 or Lifetime Fitness credit earned

Course Description

This course will focus on developing students' knowledge of and competency in motor skills, movement patterns and strategies essential to perform a variety of physical activities. Activities of focus will include: badminton, volleyball, tennis and pickle ball.

Additional Information

The course has a \$10 class fee. Students are required to suit up and participate to the best of their ability daily. Required uniform of T-shirt and shorts must be purchased for \$15 at the bookkeeper.

Estimated Daily Homework

Minimal throughout the semester

Team Sports - PED411

1 Semester – Grade 11, 12

Prerequisite

PE 1 or Lifetime Fitness credit earned

Course Description

This class is a continuation of general overall physical fitness with an emphasis on competitive games. Students will learn to participate in appropriate physical activities to achieve fitness, demonstrate an understanding for the training and skill work necessary to improve and enhance overall personal fitness and become proficient in all fundamental movement skills and skill combinations required for self-selected fitness activities in the future. By the end of this course students will be able to understand and apply key movements and fitness concepts. Students will demonstrate leadership, respect for others and avoid unsafe physical activity solutions. Some assignments will include the planning, implementation, monitoring and modification of a personal fitness plan.

Additional Information

Students are required to dress and participate to the best of their ability daily. Required uniform of T-shirt and shorts must be purchased for \$15.

Estimated Daily Homework

Minimal throughout the semester

Walking & Wellness - PED526

1 Semester – Grade 10, 11, 12

Prerequisite

PE 1 or PE 2 credit earned

Course Description

This class will address a variety of fitness and wellness topics including cardiovascular fitness, muscle strength and conditioning, mental health and stress relief. The primary components of the class will be walking (structured walks on and off campus) yoga, Pilates, abdominal strength, weights, will also be included to improve flexibility and muscular strength. Wellness will also be included as a key component. Students will assess their current lifestyle and work to improve wellness through journaling, in class projects and assignments, meditation and exploring various relaxation techniques.

Additional Information

Students are required to suit up and participate to the best of their ability daily. Required uniform of T-shirt and shorts must be purchased for \$15 at the bookkeeper.

Estimated Daily Homework

Minimal throughout the semester

Weight Training - PED551

1 Semester - Grade 10, 11, 12

Prerequisite

PE 1 or PE 2 credit earned

Course Description

This class offers instruction and practice in proper techniques in the development of muscular strength, endurance, flexibility and body composition. Emphasis is placed on the application of methods used to build, improve and maintain proper muscular fitness. By the end of this course students will be able to define muscular strength, endurance, flexibility and its relationship to weight training. Students will be able to explain how weight training exercises affect muscles, explain the principles of weight training regimens, safely and effectively use free weights and weight training machines.

Additional Information

Students are required to suit up and participate to the best of their ability daily. Required uniform of T-shirt and shorts must be purchased for \$15 at the bookkeeper.

Estimated Daily Homework

Minimal throughout the semester

Advanced PE - PED217/PED218

1 Semester – Grade 11, 12

Prerequisite

Lifetime Fitness or PE 1

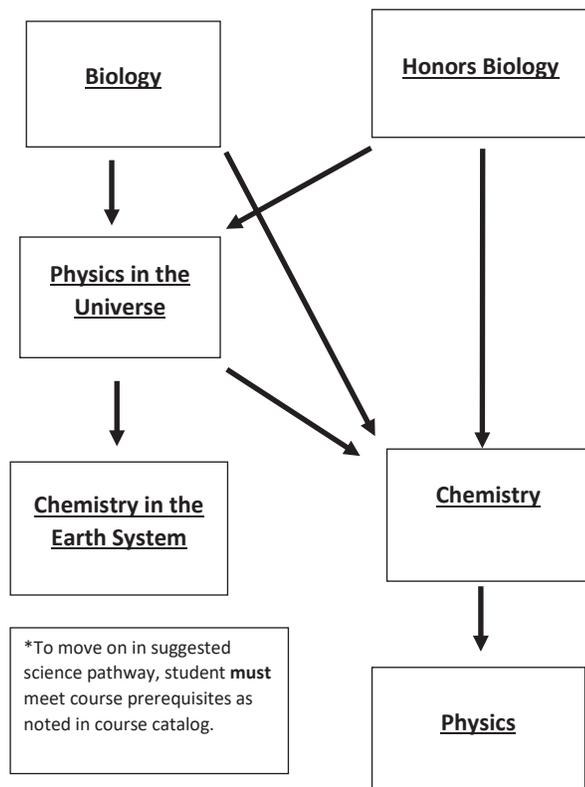
Course Description

This course is designed for the highly competitive, highly motivated, and highly skilled student-athletes at RHS. It is a fast-paced and intense course, with a focus on strategy and tactics rather than skill building. Students signing up for this class are expected to already have a solid knowledge and skill base for most, if not all, team sports, and will be held to the highest standard regarding participation, effort, and sportsmanship in games, activities, fitness testing, and workouts. You should come to class everyday expecting to work hard and sweat.

Estimated Daily Homework

15 minutes/week

RHS SUGGESTED Science Pathway



Anatomy and Physiology: CDC561/CDC562

2 Semesters - Grade 11, 12

College Credit Available

Meets both Occupational Education and Science graduation requirement

CADR

Prerequisite

Minimum of 1 semester of Biology credit earned

Course Description

Anatomy and Physiology is a problem-based science course designed to engage students who are interested in exploring the human body and/or are pursuing careers related to the biological or medical fields. This class studies the relationship between the structures and functions of selected organ systems and covers both gross and microscopic anatomy. This course is supported by required hands-on laboratory experiences that include animal (non-human) dissections. Coursework will include explorations of ethical issues in medicine, problem-based case studies, conceptual model-building, and extensive cooperative group work.

Additional Information

This course is a lab science with a \$30 class fee. Students must purchase a laboratory notebook and colored pencils. Part 1 of this course will cover the following systems: tissues, integument, skeletal, muscular, cardiovascular, and respiratory. Part 2 of this course will cover the following systems: digestive, excretory, nervous, endocrine, lymphatic, and reproductive systems.

Estimated Daily Homework

30 minutes

AP Biology - SCI281/SCI282

2 Semesters - Grade 10, 11, 12

CADR

Prerequisite

Students should have successfully completed high school courses in Biology/Chemistry in the Earth System or equivalent classes. Online courses do not fulfill these prerequisites because they lack a lab component.

Course Description

AP Biology is a college-level class that provides an opportunity to gain skills and experience recognized by colleges and universities. Students will learn relevant content and laboratory techniques. During the course, students will complete a series of ten large laboratory experiments including Mathematical Modeling, Diffusion and Osmosis, Photosynthesis, Enzyme Activity, and Bacterial Transformation. By the end of this course students will be well-prepared for the AP Biology Exam.

Additional Information

This course is a lab science with a required lab fee of \$20. Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP exam. Purchase of an AP Biology test preparatory book is highly recommended.

Estimated Daily Homework

30-45 minutes plus AP exam preparation.

AP Chemistry - SCI381/SCI382

2 Semesters - Grade 10, 11, 12

CADR

Prerequisite

Chemistry, or similar lab-based Chemistry course. Online classes do not meet the lab requirement for the prerequisite.

Course Description

The AP Chemistry course covers material typically presented in a college general chemistry course. The AP Chemistry course is designed to be taken only after a successful completion of a first course in high school chemistry. Students will be prepared to take an AP examination in May. The AP course differs qualitatively from the usual first year secondary school course in chemistry with respect to the textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by the student. The AP course offers the laboratory experience equivalent to that of a typical college course. Students in this course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the students' ability to think clearly and to express their ideas, orally and in writing, with clarity and logic.

Additional Information

A lab fee of \$25 is required for this course.

Estimated Daily Homework

As stated by the College Board, an AP Chemistry course should spend at least five hours a week in individual study outside the classroom. This includes reading, homework, lab preparation and individual practice for the AP Exam.

AP Environmental Science - CVC611/CVC612

2 Semesters - Grade 10, 11, 12

College Credit Available

Meets both Occupational Education and Science graduation requirement

CADR

Prerequisite

Biology credit earned

Course Description

This course is designed to acquaint students with the physical, ecological, social, and political principles of environmental science. The scientific method is used to analyze and understand the inter-relationships between humans and the natural environment. The course shows how ecological realities and the material desire of humans often clash, leading to environmental degradation and pollution. The lab investigations and activities in this course are designed to challenge a student's abilities to critically observe environmental systems, think analytically and apply concepts to the solution of environmental problems. The goal is for students to master the scientific techniques and methodologies that will enable them to become independent learners, capable of gathering and evaluating information.

Additional Information

There is a \$20 fee for this course. Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam. This course is a lab science.

Estimated Daily Homework

30-60 minutes plus AP exam preparation

AP Physics C: Mechanics - SCI485/SCI486

2 Semesters - Grade 11, 12

CADR

Prerequisite

Students should have taken or be concurrently taking Calculus.

Course Description

This course provides a conceptual and laboratory approach to understanding the natural laws of the universe. Students will study motion, energy, and forces. This course will prepare students for college laboratory science classes, and the AP Physics mechanics exam. There is an emphasis on developing problem solving skills and conducting laboratory investigations.

Additional Information

Students are expected to attend review sessions held outside the regular school hours. This course is an algebra based lab science. Students may potentially receive credit and/or advanced placement from the university the plan to attend depending on the score they earn on the AP exam.

Estimated Daily Homework

60 minutes plus AP exam preparation

Astronomy - SCI701

1 Semester - Grade 10, 11, 12

CADR

Prerequisite

Minimum of one semester of Biology credit earned

Course Description

This course is designed to help students discover about more about observable universe. Students will make night sky observations, debate space exploration, colonize a planet, learn about supernovas, black holes and modern astronomers, identify patterns between the sun and moon and research about extraterrestrial life. Major assessments include labs, group projects and the formal lab report.

Additional Information

This course is a lab science.

Estimated Daily Homework

15 minutes

Biology in the Earth System - SCI231/SCI232

2 Semesters

CADR

Prerequisite

None

Course Description

This year-long course is designed to help students understand the principles of life science with connections to Earth science. Students will use science and engineering practices and crosscutting concepts to investigate living systems at various scales. Specific topics include structure and function, growth and development of organisms, and matter and energy flow in organisms. Students will also explore cycles of matter and energy in ecosystems as well as ecosystem dynamics, functioning, and resilience and social interactions and group behavior. Students will investigate inheritance and variation of traits, evidence of common ancestry and diversity, natural selection, adaptation, biodiversity, Earth and human activity, and biogeology.

Estimated Daily Homework

30-45 minutes

Honors Biology - SCI271/SCI272

2 Semesters

CADR

Prerequisite

None

Course Description

This year-long course is designed to help students understand the principles of life science with connections to Earth science. Students will use science and engineering practices and crosscutting concepts to investigate living systems at various scales. Specific topics include structure and function, growth and development of organisms, and matter and energy flow in organisms. Students will also explore cycles of matter and energy in ecosystems as well as ecosystem dynamics, functioning, and resilience and social interactions and group behavior. Students will investigate inheritance and variation of traits, evidence of common ancestry and diversity, natural selection, adaptation, biodiversity, Earth and human activity, and biogeology.

Additional Information

This is the honors alternative to general Biology in the Earth System (BITES). The course includes all topics covered in the general BITES course. Some topics will be covered in greater depth and others at a faster pace. Honors courses require students to be highly motivated with above average reading, writing, critical thinking, time management, and study skills.

Estimated Daily Homework

30-45 minutes

Biotechnology – CDC121/CDC122

2 Semesters – Grade 10, 11, 12

CADR

Meets both Science and Occupational Education graduation requirement

Prerequisite

Biology credit earned

Course Description

This is a hands-on, lab intensive course. Through this course, students will understand how technology can be used to analyze and modify living things. Students will explore and experience the applications of molecular biology, genetics, and biotechnology in research and industry. Emphasis will be placed on applications in the areas of global health, agriculture (GMOs), and conservation biology. Students will gain lab skills that directly translate to job skills in today's growing biotech and biomed industries. Lab skills learned include micropipetting, DNA fingerprinting through gel electrophoresis, bacterial transformation, protein electrophoresis, chromatography, spectrophotometry, polymerase chain reaction (PCR), ELISA, and bioinformatics using computer databases. Students will also explore, write about, and discuss the ethical issues related to the rapid advances occurring in biotechnology and its applications in human health, food and agricultural industries.

Additional Information

A \$20 course fee.

Estimated Daily Homework

15-30 minutes

Chemistry - SCI321/SCI322

2 Semesters

CADR

Prerequisite

Concurrent enrollment in Algebra 2 or higher

Course Description

This course is designed for students who are considering studying higher-level science/engineering in college. Chemistry is a course that explores the world of elements, molecules and chemical reactions. This course is an algebra based science course that takes real world data and applies mathematical concepts to discover patterns with in the physical world. This course explores the concepts of nomenclature, the mole, stoichiometry, thermochemistry, atomic theory, bonding, gas laws, phases of matter at an atomic level, solubility, acids and bases, equilibrium and an introduction to organic chemistry. Some major assignments in this course include: major lab activities every unit, end of unit tests, college prep lab notebook, formal lab report, end of course lab final, end of course summative

final. By the end of this course students will be able to demonstrate an understanding of major chemistry properties and processes, plan and conduct an algebra based science investigation, communicate scientific results via lab books and formal lab reports.

Additional Information

This course is an algebra based lab science. A scientific calculator and composition book required plus \$25 lab fee.

Estimated Daily Homework

30-45 minutes with longer assignments linked to labs

Forensic Science - CDC821/CDC822

2 Semesters - Grade 10, 11, 12

Meets both Occupational Education and Science graduation requirement

CADR

Prerequisite

One year of Biology credit earned.

Course Description

Students will develop a foundation for how to work a crime scene, including maintaining the chain of custody and evidence collection. Students will identify a perpetrator and solve a crime by applying their knowledge of eyewitness accounts, hair, fibers, glass, fingerprints, serology, blood spatter, and DNA during this one semester course. By the end of the course students will be able to analyze scientific evidence and come to a conclusion about potential suspects and the nature of a crime being analyzed, their conclusions will be summarized in an expert witness report. A variety of guest speakers will also be utilized to provide real-life applicability.

Additional Information

This course is a lab science.

Estimated Daily Homework

15-30 minutes twice a week

Introduction to Global Health: Science - SCI291

1 Semester – Grade 11, 12

CADR

Prerequisite

Biology credit earned.

Course Description

This course examines the science involved in current global health issues. Students will learn about, research, and propose solutions to global health topics facing our communities today. A large part of the learning experience in this course involves acquisition and application of biotechnology techniques and skills. Students will practice skills that will be valuable in today's biotech workplace including ELISA, dilutions, DNA electrophoresis, bacterial transformation, and use of bioinformatics databases. (It is helpful to have the experience of the Biotechnology course, but not required). Units of study include communicable diseases such as HIV, malaria, and tuberculosis, as well as non-communicable diseases like cancer, diabetes, genetic disorders, and maternal health. By the end of this course, students will have foundational knowledge and skills that will prepare them for college and careers in fields relating to global health, medicine, and international work.

Additional information

\$15 course fee. It is recommended, but not required, that students

also take the Global Health: Social Studies course in order to develop a stronger understanding of the social issues surrounding the diseases that will be discussed.

Estimated Daily Homework

20-30 minutes

Marine Science - SCI611

1 Semester - Grade 10, 11, 12

CADR

Prerequisite

Minimum of one semester of Biology credit earned

Course Description

Marine Biology is the study of the organisms that live in the sea. In this class, students will study a variety of marine organisms, their ecosystems, and understand the importance of these ecosystems to humanity. Class labs and activities will focus on the characteristics of different groups of marine organisms and the conditions for which they survive. We will make a trip to the Seattle Aquarium and possibly local tide pools to further investigate our local marine life. Students will learn the techniques needed to evaluate how different variables affect the environment.

Additional Information

Lab fee of \$20. This course is a lab science.

Estimated Daily Homework

20 minutes

Oceanography - SCI517/SCI518

1 semester - Grade 10, 11, 12

CADR

Prerequisite

Completion of Biology. Suggested to be taken in sequence with Marine Science.

Course Description

This is an introductory oceanography course intended for students to explore: geologic, chemical, physical, and biological oceanography as well as coastal geography. Students will discover human impact on oceans worldwide and within their own community, the Puget Sound. Students can expect to complete hands-on labs that will connect them to the Blue Planet, Earth to develop an impact project on how to protect this vital resource. Utilizing the Next Generation Science Standards, students will participate in an inquiry-based practices such as: constructing explanations and designing solutions, building and using models, planning and carrying out investigations, and analyzing and interpreting data.

Additional Information

\$25 lab fee

Estimated Daily Homework

None

Physics - SCI421/SCI422

2 Semesters

CADR

Prerequisite

Algebra 2 credit earned and concurrent enrollment in Precalculus or higher level math course.

Course Description

This course provides a laboratory approach to developing an understanding of motion, forces, energy, electricity, magnetism, and light. Conceptual examples of physics will be taken from everyday life. Students will develop problem-solving skills through mathematical investigation of physical phenomena in a laboratory setting.

Additional Information

There is a \$15.00 material fee. This course is an algebra based lab science.

Estimated Daily Homework

30 minutes

Food Science 1 - CDC721/CDC722

1 Semester - Grade 9, 10, 11, 12

Meets both Occupational Education and Science graduation requirement.

CADR

Prerequisite

None

Course Description

Ever wonder how mozzarella cheese is made, homemade candy is created, or how to use dry-ice to make ice cream? Food science is a lab-based course (taught in the kitchen) that integrates biological, chemical, and physical principles, content, and processes through food preparation and scientific labs. We discuss the use of food additives, functions of ingredients, acids and bases, nutrition, food storage and related aspects of human health and safety in correlation to food. Students address and propose solutions to real-world issues such as food waste and shortage and creating healthier food products. By the end of this course students will gain confidence and skills in food preparation and conducting scientific labs while making safe, nutritious and tasty food.

Additional Information

\$25 class fee

Estimated Daily Homework

Work not completed in class

Physics in the Universe - SCI431/SCI432

2 Semesters - Grade 10

CADR

Prerequisite

Credit earned in Biology

Course Description

This year-long course is designed to help students understand physics as a fundamental science in our everyday lives, in the context of Earth and Space. Students will explore measurement, motion, forces, momentum, energy, electricity and waves on Earth, in the solar system, and in the universe. Students will use science and engineering practices, and crosscutting concepts to investigate physical processes within these macroscopic systems. Students will develop proportional, trigonometric and algebraic thinking while developing their problem-solving abilities.

Estimated Daily Homework

30 minutes each day

Chemistry in the Earth System - SCI331/SCI332

2 semesters – Grade 11

CADR

Prerequisite

Credit Earned - Physics in the Universe (SCI431/432)

Course Description

This year-long course is designed to help students understand the principles of chemistry in the context of Earth science phenomena. Students will use science and engineering practices and crosscutting concepts to investigate chemical processes within Earth systems. Specific topics include structure and properties of matter, chemical reactions, and chemical processes in everyday life. Students will also explore conservation of energy and energy transfer. Students will investigate the history of planet earth as well as earth materials and systems, including natural resources, natural hazards, the role of water in Earth's surface processes, and climate.

Estimated Daily Homework

30 minutes

Culinary Arts I - CVC731

1 Semester - Grade 9, 10, 11, 12

Meets Occupational Education and Science graduation requirement

Prerequisite

None

Course Description

This course focuses on basic food preparation skills and the role of foods and nutrition in human health and wellness. Cooking at least once a week, students learn the fundamentals of the kitchen, while making informed decisions about what they eat. This course will introduce the student to food handling practices, cooking methods, tool and equipment skills, safety and sanitation, recipe and menu development plus the history of food. Students will develop skills and competencies necessary for entry level positions in the culinary field and explore career possibilities. Major assignments include end of unit tests, cooking performance assessments, the making of an individual cookbook, and a home cooking project. By the end of this course, students will be able to use cooking techniques and skills to plan and prepare nutritious meals while observing proper safety and sanitation protocols.

Additional Information

\$25 class fee

Estimated Daily Homework

All in-class work, hands on culinary arts labs and gardening completed at school.

Sustainable Design and Environmental Engineering - CDC621/CDC622

1 Semester - Grade 10, 11, 12

Meets Occupational Education and Science graduation requirement

Prerequisite

Biology, Introduction to Engineering Design credit earned

Course Description

Students investigate and design solutions to solve real-world challenges related to clean drinking water, a stable food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to research and design potential solutions. Utilizing the activity-, project-, problem-based teaching, students transition from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Additional Information

This is a project-based lab class with a \$30 lab fee.

Estimated Daily Homework

Expect some time spent outside of school to work on completing projects for course, approximately 30 minutes per week.

World History 1 - SOC121

1 Semester - Grade 9

CADR

Prerequisite

None

Course Description

The purpose of this course is to gain a better understanding of the ancient world that preceded the complex one we live in today. Students will examine a broader view of history and grapple with big questions such as: What are the origins of ancient man? What were the qualities of ancient humans and the first civilizations? How did humans get to where we are now? What does it mean to be "human"? Key topics will include early human origins, the shift from the Paleolithic to the Neolithic era, the rise of ancient civilizations, the development of belief systems, cultural interactions and conflict, and the development and impact of classical civilizations. Students will practice the study skills of writing, note taking, and reading; the social skills of cooperative learning and speaking in front of groups, and the thinking skills of analysis and evaluation. Together, we will study what we think we know, and puzzle over what we don't. We'll consider our place in the universe and discuss what the future may hold.

Estimated Daily Homework

30 minutes

Honors World History 1 - SOC171/SOC172

2 Semesters - Grade 9

CADR

Prerequisite

None

Course Description

This Honors course forms the first half of a two-year course that prepares students to take the AP World History exam in their sophomore year. It is recommended for students desiring an accelerated and enriched History curriculum. The course examines the history of the world from prehistoric times to 1450. Students will explore the Paleolithic and Neolithic eras, the earliest civilizations, the Classical era, and the Post-Classical/Medieval period of human history. By the end of this course, students will possess the analytical reading and writing skills as well as the historical thinking skills and knowledge necessary for success in AP World History and future advanced high school courses.

Estimated Daily Homework

45 minutes

Contemporary World Problems - SOC225/SOC226

2 Semesters - Grade 10

CADR

Prerequisite

None

Course Description

This course examines the history of the world from 600 to the present with a focus on key historical eras, movements, figures, places, and events. Each civilization will be examined based on its social, economic, and political impact on future societies. Key topics include global expansion and encounter, the age of revolution, the develop-

ment of national and regional identities, and international conflicts. Student will practice the study skills of writing, note taking, and reading, the social skills of cooperative learning and speaking in front of groups, and the thinking skills of analysis and evaluation. By the end of this course students will possess a general knowledge of the world's history from 600 to the present. They will also be able to explain continuities and changes over time, and assess the historical causes of current world problems.

Estimated Daily Homework

30 minutes

AP World History: Modern - SOC281/SOC282

2 Semesters - Grade 10

CADR

Prerequisite

Students joining AP World History from any class other than Honors World History 1 are required to complete a summer assignment designed to prepare them for success in the course. See the ACADEMICS section of the RHS website for summer homework assignment.

Course Description

This Advanced Placement course examines the history of the world from 1450 to the present. Students will explore the Early Modern Era (1450-1750), Modern Era (1750-1900), and the 20th century to the present day. Students will engage with college-level texts. By the end of this course, students will possess improved analytical reading and writing skills as well as the historical thinking skills and knowledge necessary to perform well on the AP exam.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

45 minutes plus AP exam preparation

United States History - SOC321/SOC322

2 Semesters - Grade 11

CADR

Prerequisite

None

Course Description

This course examines the foundations of America's democratic traditions and how the nation has developed politically, economically, and socially from pre-colonial times to the present. Critical thinking, analysis of a variety of academic sources and historical writing skills are developed and reinforced throughout the course. Some major assignments in this course include tests and quizzes, presentations, and simulations. By the end of this course students will be able to demonstrate knowledge of patterns of change over time in U.S. history, understand cause and effect relationships in American domestic and foreign affairs, and show that they are prepared to be effective citizens in a democratic society.

Additional Information

The United States History requirement may also be fulfilled by completing AP United States History.

Estimated Daily Homework

30 minutes

AP United States History - SOC381/SOC382 2 Semesters - Grade 11

CADR

Prerequisite

Contemporary World Problems credit earned

Course Description

Students will examine the history and government of the United States from pre-colonial times to the present through nine units of study: Pre-Colonial, Colonial, Revolution-Federalists, Jefferson-Jacksonians, Sectionalism-Reconstruction, Gilded Age, Imperialism-WWII, Early Cold War-Cultural change, Conservatism-21st Century. Grades are based on tests, assignments, and participation. Major assignments include: Revolutionary War Battles, 18th Century Reformer, Civil War Battles, Early 20th Century Newspaper, WWII Battles, and a research paper. By the end of this course students will have learned relevant and applicable lessons, making them civically and historically aware and competent.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

30-60 minutes plus AP exam preparation

Civics - SOC521

1 Semester - Grade 12

CADR

Course Description

This course is designed to prepare students to fulfill their role as citizens in a democratic society. Students study the rights and responsibilities of citizens addressed in the Washington State and United States Constitutions, along with the ideals and principles of democracy and constitutional government. They examine federal, state, and local government organization and procedures, as well as how political systems in the U.S. operate and interact. In addition, students analyze current issues addressed at each level of government and electoral issues related to elections, ballot measures, initiatives, and referenda. They develop critical thinking and problem solving skills and apply what they have learned to major projects and assessments.

Additional Information

The Civics graduation requirement can also be fulfilled by completing AP United States Government and Politics.

Estimated Daily Homework

30 minutes

AP U.S. Government and Politics - SOC481/SOC482 2 Semesters - Grade 12

CADR

Prerequisite

None

Course Description

AP U.S. Government is comprised of six major units: Constitutional Underpinnings; Political Beliefs and Behaviors; Political Parties, Interest Groups and Mass Media; Government Institutions; Civil Rights and Civil Liberties; Public Policy. Exams will include multiple-choice and free-response questions (in the style of the AP U.S. Government exam). Other assessments will include projects and quizzes. Content will be drawn from the textbook, lecture, discussions, magazine/newspaper articles, videos, and online media sources. In order for this to be a successful experience for the student and maintain the goal of developing a collegiate academic environment, students should be prepared to be an active participant in the classroom (i.e. being prepared and participating in classroom discussions, seminars, and group projects). By the end of this course students will have received a collegiate level academic experience, and will be able to participate as an informed citizen in civic life.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

30 minutes plus AP exam preparation

Electives

AP Art History - ART943/ART944

2 Semesters - Grade 10, 11, 12

Credit: Social Studies or Fine Art

Prerequisite

World History 1 or Honors World History 1 credit earned.

Course Description

AP Art History is a chronological survey of painting, drawing, sculpture, architecture, photography, and other media. Through readings, research, videos, and museum visits, students will view and analyze significant artworks from around the world. Students will apply their knowledge from World and American History to the critical examination of these artworks. Students will analyze and discuss important works of art. Writing skills will be important in the description, analysis, and comparison of these works. Students are encouraged to keep a notebook to record class discussion on significant historical events, art periods/styles, specific artworks, and themes that connect these artworks. This course is the equivalent of a college-level course in the history of art. Some of the artworks studied contain mature content and themes including nude images as well as controversial social and political statements. Students participating in the course need to be willing and able to discuss such artworks on an adult, academic level.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

30 minutes plus AP exam preparation

AP Psychology - CVS561/CVS562

2 Semesters - Grade 11, 12

Meets both Social Studies and Occupational Education Graduation Requirements. UW College in the High School credit available.

CADR

Prerequisite

None

Course Description

Students will complete 14 Units of Study: History and Approaches, Research Methods, Biological, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental, Personality, Testing, Psychological Disorders, Therapy, and Social. Grades are based on tests, notebooks, assignments, and participation. Major assignments include: Creating a Survey, Sleep/Dream Record, 3 Types of Learning, Autobiography, Personality Assessment, and a Psychological Disorder/Therapy. By the end of this course students will have learned relevant and applicable lessons to add to their daily lives.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam. Students may sign up for 5 credits of Psych 101 from the University of Washington. The cost is ¼ of on campus tuition. Students will get access to UW online libraries and receive a transcript. The UW grade is based on the entire year of study.

Estimated Daily Homework

30 minutes plus AP exam preparation

Introduction to Global Health: Social Studies - SOC901 1 Semester – Grade 11, 12

UW College in the High School credit available

CADR

Prerequisite

Contemporary World Problems credit or AP World History credit earned.

Course Description

This College in the High School course, based on the University of Washington's Introduction to Global Health, is designed to provide students with an overview of the global health field. Students will examine significant diseases and investigate where and why they are still having a major impact around the world. They will survey the social, political, and economic determinants of health, and look at the different approaches to health care undertaken by governments, international organizations, and NGOs. By the end of this course, students will have the foundational knowledge and experience necessary to prepare them for college and careers in fields relating to global health, medicine, and international aid work.

Additional information

It is recommended, but not required, that students also take the Global Health: Science course in order to develop a stronger understanding of the communicable and non-communicable diseases that will be discussed.

Estimated Daily Homework

15-30 minutes

History Through Film - SOC903

1 Semester – Grade 10, 11, 12

Prerequisite

World History 1 or Honors World History 1 credit earned.

Course Description

This course will help students become more critical consumers of media by examining historically relevant time periods and significant events as depicted in film. Students will see how filmmakers have re-shaped past lives and events to suit their storytelling needs and how this has at times radically changed the collective view of some historical events. This class will focus on discussions of the films we watch so the person that takes this class will be required to verbally contribute to the discussions. Students will analyze films as secondary sources and compare them to primary and other secondary sources to gain a more complete picture of historical events and the climate of the times in which the films were created. Homework will include projects, presentations, and essay writing.

Additional Information

R-rated film permission slips required for students under the age of 18

Estimated Daily Homework

15-30 minutes

International Relations - SOC711

1 semester - Grade 10, 11, 12

CADR

Prerequisite

World History 1

Course Description

This course examines the various political, social, and diplomatic issues affecting each region of the world today through the study of current events and documentary films, online research, and participation in diplomacy simulations. Examples of topics include nuclear proliferation, the Israeli-Palestinian conflict, the overall unrest in the Middle East and Africa, European Union expansion, and others, culminating in a week long Model United Nations session. By the end of the course, students will understand the problems facing the world today and possible solutions.

Estimated Daily Homework

15-30 minutes

Introduction to Philosophy and Ethics - SOC675

1 semester - Grades 10, 11, 12

Prerequisite

World History 1 or Honors World History 1 credit earned.

Course Description

This course aims to empower students to make independent judgements based on reason. In this new era where "fake news" is paraded across social media as fact, it is more important than ever for students to be trained in philosophy and ethics. Philosophical and ethical thought shapes what people think, what they value, what they consider to be true and how they engage with others and the world around them. During this course, students will ponder questions, such as: what is real; what and how do we understand; how should we live; what is it to be human and who am I? Students will engage in philosophical inquiry and question their assumptions, beliefs and

their reasons for holding them. By studying the origins of philosophy and ethics, from both Western and Eastern perspectives, students will develop a set of skills enabling them to better understand, evaluate and engage with our modern world.

Estimated Daily Homework

1 hour per night; less if student uses class time wisely. Additional hours may be necessary periodically for class projects or to prepare for summative assessments. Due dates will be given to students well in advance, so they may plan appropriately.

Psychology - CVX551/CVX552

1 Semester - Grade 10, 11, 12

Meets both Fine Arts and Occupational Education graduation requirement

CADR

Prerequisite

None

Course Description

This course will introduce students to the fundamental principles of psychology and to the major subjects of psychological inquiry. Students will complete eight units of study: Behavioral Neuroscience, Sensation and Perception, States of Consciousness, Learning, Development, Personality, Psychological Disorders, and Therapy.

Estimated Daily Homework

15-30 minutes

Washington State History - SOC059

1 Semester – Grade 11, 12

CADR

Prerequisite

None

Course Description

This course provides a study of the history and government of Washington State. Important units will include geography, history, economic development, state/local government and the people of Washington. At the conclusion of this course students will have an understanding of the state historical relevance, constitutional creation and will be able to recognize how Washington's history has affected its development.

Additional Information

Instruction in this content area is required for graduation from high school in the state of Washington. Many students meet this requirement as part of previous social studies curriculum. Please refer to your high school transcript or your school counselor for guidance regarding this requirement.

Estimated Daily Homework

30 minutes

AP Microeconomics - CVS351

1 Semester - Grade 10, 11, 12

Meets both Occupational Education and Social Studies graduation requirement

Prerequisite

None

Course Description

This course is a college level course designed to provide students with a thorough understanding of the principles of Microeconomics as they apply to the functions of consumers and producers within the economic system. This course is created to place a primary emphasis on the nature and functions of product markets, includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students will learn to evaluate marginal costs and marginal benefits and to explore the many ways one action can cause secondary actions. Advanced level reading, graphical analysis, and active participation will be required. By the end of this course students will be prepared to take the AP Microeconomics exam in May.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP exam. DECA membership optional if offered as a first semester section.

Estimated Daily Homework

1 hour plus AP exam preparation

Business and Personal Law - CDS631

1 Semester – Grade 10, 11, 12

Meets both Occupational Education and Social Studies graduation requirement

Prerequisite

None

Course Description

Business and Personal law emphasizes business and consumer applications within the frameworks of federal, state, and local laws. Distinction is made between civil and criminal law, and the emerging influence of technology and the Internet. Students will examine the relationship of law and ethics, due process, contract law, court systems, and methods of dispute resolution. Analysis of relevant cases and current issues in the law will be incorporated. This course is a foundation in law for those planning to major in business in college to pursue business careers and for personal and consumer applications. This course is also part of the Seattle University and University of Washington law schools "Street Law" program. University law students actively partake in the teaching of the class throughout the semester culminating in a "Mock" Trial held at the Redmond courthouse. By the end of this course students will have a background in the foundation, types and evolution of law in the United States, understand the relationship between law and ethics, know the difference between civil and criminal law, understand the fundamentals of business laws as they relate to businesses and consumers, and investigate emerging law related to technology.

Estimated Daily Homework

30 minutes

Additional Information

\$30 course fee

Visual Arts

Art 1 - ART011

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

Art 1 introduces students to a variety of media. Students will explore various art techniques and approaches as ways of expressing their ideas. Development of technical skills and vocabulary will include the elements and principles of art. Projects will include drawing, painting, ceramics, collage, photography and mixed media. Students will study specific artists, cultures, and historical art movements. Creativity, craftsmanship, personal effort, critical thinking, and sketchbooks are all included in the grading process. In order to succeed in class students must be prepared to question and critique their own work as well as the work of other artists.

Additional Information

A \$25 lab fee is required and covers all supplies including a drawing kit, sketchbook, and other materials.

Estimated Daily Homework

15 minutes

Honors Art 1 - ART016

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

This course will create a challenging and exciting environment for students who are motivated to make art and feel confident with their previous experience. Previous experience can be in or out of school. Expectations for student work will be higher in the Honors class than in Art 1. Honors Art 1 introduces students to a variety of media. Students will explore various art techniques and approaches as ways of expressing their ideas. Development of technical skills and vocabulary will include the elements and principles of art. Projects will include drawing, painting, ceramics, collage, and mixed media. Students will study specific artists, cultures, and historical art movements. Creativity, craftsmanship, personal effort, critical thinking, and sketchbooks are all included in the grading process. In order to succeed in this class students must be prepared to question and critique their own work as well as the work of other artists.

Additional Information

A \$25 lab fee is required and covers all supplies including a drawing kit, sketchbook, and ceramics materials.

Estimated Daily Homework

20 minutes

Art 2: Industrial Design - 3D Printing - CVA371

1 Semester - Grade 9, 10, 11, 12

Meets both Fine Arts and Occupational Education graduation requirement

CADR

Prerequisite

Concurrent enrollment or credit earned in Art 1/Honors Art 1

Course Description

Students will design a variety of 3D objects that will come to life as they are printed on our 3D printers. They will also make designs for virtual 3D environments such as games and animated movies. They will learn about careers that are available to those who have mastered these skills such as product design, jewelry design, fashion design, game design, industrial design, and engineering. Students will make a public sculpture, an architectural design, and make a functional object of their own choice that would be ready to be posted on Kickstarter or Etsy. They will learn how to use a variety of software tools for 3D design such as Adobe Fusion 360, Sketchup, and Tinkercad. Students will learn Design Thinking from the curriculum that the Stanford Design School shares so they can learn how to build prototypes to solve real world problems, creating both artistic expressions and practical solutions that make the world a better place.

Additional Information

A \$25 lab fee to cover the costs of materials.

Estimated Daily Homework

15 minutes

Art 2: Drawing/Painting 1 - ART241

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

Art 1 or Honors Art 1 credit earned

Course Description

This course will expand upon and develop technical art skills in the two dimensional media previously explored in Introduction to Art. Projects will include drawing, painting, collage, and flat mixed media, with emphasis on critical thinking, creativity, craftsmanship, and presentation of artwork. Students will keep a personal sketchbook and study specific artists, cultures, and historical art movements. Projects will explore the technical aspects of drawing, color theory and painting.

Additional Information

A \$25 lab fee is required and covers all supplies including a drawing kit, sketchbook, and other materials.

Estimated Daily Homework

15 minutes

Commercial Art and Design - CVA331/CVA332

2 Semesters - Grade 10, 11, 12

Meets Occupational Education and Visual/Performing Arts requirement.

CADR

Prerequisite

Art 1, Art2: Drawing/Painting 1, Digital Graphics and/or basic understanding of Adobe Creative Cloud programs.

Course Description

This is an advanced (art 3) class for art students who want to focus on applied design, with an emphasis on advanced watercolor and ink for design and illustration. Students will delve into the depths of watercolor and ink as they learn to master the media while creating finished works to complete a design portfolio. Projects will include Surface pattern design, texture design, concept illustration, fabric printing, greeting card design, fashion illustration, as well as the business side; marketing, working with clients, mock-ups, and photography for social media. Curriculum will be based on the principals of design and creating real-world design products.

Additional Information

\$30 lab fee

Estimated Daily Homework

30 minutes

Honors Art 2: Drawing/Painting 1 - ART243

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

Art 1 or Honors Art 1 credit earned

Course Description

This course will create a challenging and exciting environment for students who are motivated to make art and feel confident with their previous experience. Expectations for student work will be higher in the Honors class. This course will expand upon and develop technical art skills in the two dimensional media previously explored in Introduction to Art. Projects will include drawing, painting, collage, and flat mixed media, with emphasis on critical thinking, creativity, craftsmanship, and presentation of artwork. Students will keep a personal sketchbook and study specific artists, cultures, and historical art movements. Projects will explore the technical aspects of drawing, color theory and painting.

Additional Information

A \$25 lab fee is required and covers all supplies including a drawing kit, sketchbook, and other materials.

Estimated Daily Homework

20 minutes

Art 3: Drawing/Painting 2 - ART251

1 Semester - Grade 10, 11, 12

CADR

Prerequisite

Drawing and Painting 1 or Drawing and Painting 1 Honors credit earned

Course Description

Drawing/Painting 2 is designed for students who want to continue their artistic efforts at an advanced level and to improve technical skills in two-dimensional art. Students work in drawing, painting, collage, and two-dimensional design. Projects will use elements of art history, and emphasize various strategies for looking at, discussing, and writing about personal artwork and the artwork of others. Students will be given opportunities to explore varied media, art styles, and subjects. Presentations from college art programs through videos and slides will be part of this course. Students are required to complete homework on a weekly basis in a personal sketchbook. Students also prepare a portfolio of their best work for a group presentation and art show.

Additional Information

A \$25 lab fee is required and covers all supplies including a drawing kit, sketchbook, and other materials.

Estimated Daily Homework

20 minutes

Art 2: Photography I-A/I-B - CVA411/CDA412

2 Semesters - Grade 9, 10, 11, 12

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

None

Course Description

Photography is essentially the study of light. In this beginning level art course, students will learn to use the camera as an art tool. They will learn what it takes to make a good photograph not just a simple snapshot. They will think about what they see, and they will learn to design strong photographic compositions. Students will learn about the digital darkroom and how they can use it to create digital art. Students are required to participate in class discussions, work collaboratively, and spend a substantial amount of time working on out-of-school projects. Students are also required to be able to manage many different projects at the same time. Students will create an electronic portfolio.

Additional Information

There is a \$25 lab fee to cover printing, publishing and camera equipment costs. Students must have access to any kind of camera for this course.

Estimated Daily Homework

15 minutes in addition to a weekly independent photography assignment

Art 3: Photography II-A/II-B - CVA413/CDA414

2 Semesters - Grade 10, 11, 12

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

Photography 1 credit earned

Course Description

In this advanced level art course, students will learn to use the camera as an art tool. They will learn what it takes to make a good photograph, not just a simple snapshot. They will think about what they see, and they will learn to design strong photographic compositions. Students must have experience with Adobe Photoshop and must be serious about expanding their portfolio - this is an advanced level course. Students will create a digital and print portfolio of work. Projects will include creative photography, digital manipulation, graphic design, video art and fine art in electronic form. Students are required to participate in class discussions, work collaboratively, and spend a substantial amount of time working on out-of-school projects. Students are also required to be able to manage many different projects at the same time.

Additional Information

There is a \$25 lab fee to cover printing, publishing and camera equipment costs. Students must have access to any kind of camera for this course.

Estimated Daily Homework

30 minutes working on a weekly independent photography assignment

Art 2: Ceramics/Pottery 1 - ART611

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

Concurrent enrollment or credit earned in Art 1/Honors Art 1

Course Description

Ceramics 1 is an introductory course in ceramics covering the three basic methods of hand building. Students will produce ceramic art work using pinch, slab, and coil techniques. Students will learn the basic vocabulary of ceramics as well as methods of surface treatment, firing, and other related aspects. Art history, aesthetics and art criticism will be incorporated throughout the course. Students will maintain a sketchbook and complete research assignments in order to plan their projects.

Additional Information

There is a \$25 dollar lab fee.

Estimated Daily Homework

15 minutes

Art 3: Ceramics/Pottery 2 - ART621

1 Semester - Grade 10, 11, 12

CADR

Prerequisite

Ceramics 1 credit earned

Course Description

Students will build, refine, and decorate a ceramic face vessel or sculpture, a table top fountain, and complete a project with fused

glass, 3D printers or throwing on the pottery wheel. At this level students are expected to be motivated and will need to make decisions independently about the materials they use and the design problems they choose to solve. The teacher will help enable students to solve the problems through one-on-one brainstorming. A desire to create work independently is essential to this class. Application of the elements and principles of design and consideration of audience will be emphasized. Students will maintain a sketchbook and complete research assignments in order to plan their projects.

Additional Information

There is a \$25 dollar lab fee.

Estimated Daily Homework

15 minutes

AP Art and Design - CVA341/CVA342

2 Semesters - Grade 11, 12

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

Art 3 Credit earned. Students with a great deal of outside experience such as private lessons may be admitted with a portfolio review. Portfolios must include a minimum of 6 artworks that meet the criteria of the College Board AP Studio Art Varied Approaches rubric. For the rubric, visit <https://secure-media.collegeboard.org/ap/pdf/ap18-studio-art-sg.pdf>.

Course Description

Students will complete assignments that will be used to assemble a portfolio that meets the AP Studio Art examination standards. Students will improve the breadth of their portfolios by completing assignments focusing on design and art skills. Students will also develop their self-expression by completing a concentration of 12 pieces based on a theme developed by the student. Students will improve studio art and design skills for future art-related pursuits after high school. They will build their portfolios while working in the areas of drawing, painting, printmaking, collage, ceramics, sculpture and others. Mastery of the elements and principles of art and design will be emphasized. Students will be required to complete written self-reflections and artist's statements as well as maintain a sketchbook.

Additional Information

Preparation during the previous summer is required. There is a \$50.00 class fee that covers the cost of art supplies. There is an additional fee payable to the College Board for the AP Studio Art test. Students will need to purchase some supplies for use at home as well. Students who want an additional year of advanced art but do not want to be required to meet the very stringent AP requirements may take Studio Art (see below). Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP exam.

Estimated Daily Homework

60 minutes daily plus AP exam preparation

Art and Design- CVA321/CVA322

2 Semesters - Grade 11, 12

Meets Occupational Education and Fine Arts graduation requirement

CADR

Prerequisite

Art 3 Credit earned. Seniors can take the class with Art 2 credit earned.

Course Description

Art 3 Credit earned Students with a great deal of outside experience, such as private lessons, may be admitted with a portfolio review. Portfolios must include a minimum of four artworks that meet the criteria of the College Board AP Studio Art Varied Approaches rubric. For the rubric, visit: <https://secure-media.collegeboard.org/ap/pdf/ap18-studio-art-sg.pdf>.

Additional Information

There is a \$50 class fee that covers the cost of art supplies.

Estimated Daily Homework

20 minutes

Digital Design I - CDA351

1 Semester - Grade 9, 10, 11, 12

Meets both Occupational Education and Fine Arts graduation requirement

Prerequisite

None

Course Description

Digital Graphics will focus on electronic image manipulation and page layout using Adobe Illustrator and Adobe Photoshop at the beginning levels. Students will learn to use tools and applications of the programs, the fundamentals of design and visual communication. This class introduces the techniques and theory of raster and vector digital images and how to utilize them in a business setting. Major assignments include magazine cover design, business card creation, advertisement layout and logo development. By the end of this course students will be able to demonstrate an understanding of basic concepts of Adobe Illustrator and Photoshop, to do basic page layout with Illustrator, effectively manipulate an image or document for business purposes, and build creative work from scratch utilizing tools and applications programs.

Additional Information

\$10 Class Fee. DECA membership optional if offered as a first semester section.

Estimated Daily Homework

15 minutes

Yearbook - CDA151/CDA152

2 Semesters - Grade 9, 10, 11, 12

Meets both Occupational Education and Fine Arts graduation requirement

Prerequisite

None

Course Description

This course teaches students the creative and technical tools needed to create and publish the school yearbook. Students will receive comprehensive training in journalism, photography, and layout design utilizing multiple digital production tools. This career-based skills class

is an opportunity to learn valuable skills in New Media Design and Publication needed to start a career in Magazine, Editing, Copywriting, Journalism, Communications, Public Relations, Graphic Design, and more. Students must have an interest in photography, design, or journalism and commit to covering some school activities and events during the school day, evenings and weekends.

Additional Information

Having some photography or design skills are helpful, but not required.

Estimated Daily Homework

Homework varies based on publication deadlines

AP Art History - ART943/ART944

2 Semesters - Grade 10, 11, 12

Credit: Social Studies or Fine Art

Prerequisite

World History 1

Course Description

AP Art History is a chronological survey of painting, drawing, sculpture, architecture, photography, and other media. Through readings, research, videos, and museum visits, students will view and analyze significant artworks from around the world. Students will apply their knowledge from World and American History to the critical examination of these artworks. Students will analyze and discuss important works of art. Writing skills will be important in the description, analysis, and comparison of these works. Students are encouraged to keep a notebook to record class discussion on significant historical events, art periods/styles, specific artworks, and themes that connect these artworks. This course is the equivalent of a college-level course in the history of art. Some of the artworks studied contain mature content and themes including nude images as well as controversial social and political statements. Students participating in the course need to be willing and able to discuss such artworks on an adult, academic level.

Additional Information

Students may potentially receive credit and/or advanced placement from the university they plan to attend depending on the score they earn on the AP Exam.

Estimated Daily Homework

30 minutes plus AP exam preparation

Art History 1 - ART901

1 semester - Grade 10, 11, 12

Credit: Fine Art

Prerequisite

Successful completion of World History 9

Course Description

Art History I is a survey of the major forms of artistic expression including architecture, sculpture, painting and other media. Through images, readings, research, videos, and museum visits, students will view and analyze significant European artworks produced before 1900. Students will apply their knowledge from World History to the critical examination of these artworks.

Additional Information

Art History I may be taken for Social Studies or Arts credit.

Some of the artworks studied contain mature content and themes including nude images. Students participating in the course need to be willing and able to discuss such artworks on an adult, academic level.

Estimated Daily Homework

1.5 hours per week

Art History 2 – ART902

1 semester - 10, 11, 12

Credit: Fine Art

Prerequisite

Successful completion of World History 9

Course Description

Art History II is a survey of the major forms of artistic expression including architecture, sculpture, painting and other media. Through images, readings, research, videos, and museum visits, students will view and analyze significant non-Western artworks (Islamic, Asian, Native American, African, and Oceanic) produced before 1900, as well as Modern and Contemporary global art. Students will apply their knowledge from World History to the critical examination of these artworks.

Additional Information

Art History II may be taken for Social Studies or Arts credit.

Some of the artworks studied contain mature content and themes including nude images as well as controversial social and political statements. Students participating in the course need to be willing and able to discuss such artworks on an adult, academic level.

Estimated Daily Homework

1.5 hours per week

Video Production I - CDA201/CDA202

2 Semesters - Grade 9, 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Fine Arts graduation requirement

Prerequisite

None

Course Description

This course addresses the fundamental skills, vocabulary, artistry and technology of professional video and film production. Students will learn broadcasting by producing school announcements, a video news magazine, school events and other broadcast production assignments. Students will learn teamwork, media ethics, media literacy, copyright, writing for broadcast, pre and post TV production skills, studio structure and aesthetics, camera procedures, lighting and audio techniques, and non-linear editing concepts. Students will learn digital hands-on broadcasting experience. Students will learn digital video camera skills, produce and edit news features and school events for school-wide viewing, including the weekly news program, Good Morning Redmond High School.

Estimated Daily Homework

15 minutes

Additional Information

Students in this course must have a desire to do the work necessary to create both entertaining and thought provoking videos that are engaging and educational.

Video Production II - CDA203/CDA204

2 Semesters - Grade 10, 11, 12

Dual College Credit Available

Meets Occupational Education and Fine Arts graduation requirement

Prerequisite

Credit earned in Video Production I

Course Description

Students in this course will work to produce, shoot, film and edit a weekly RHS broadcast. Utilizing real-world mentality in the studio they will learn production roles, equipment and terminology mimicking a live broadcast environment. They will use and build on the skills learned in VP 1 with the added challenge and rigor of producing a weekly show with real deadlines and the creation of purposeful unique content.

Additional Information

The skills learned in this area will mainly be practices “on the job.” Students will explore the history and developments of broadcast journalism and its effect on local, national and international culture. They will be tasked with writing stories, contacting and working with talent, coming up with and creating weekly segments and editing a weekly video to be shown during homeroom for RHS News.

Estimated Daily Homework

30-45 minutes

Theatre Arts

Drama 1 - DRA111

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

This course will introduce students to the art of acting and increase awareness and knowledge of theatre arts. Students will learn and use techniques in ensemble scene work, improvisation, dramatic action, characterization, observation, theme, conflict, setting, plot, character, voice and dialogue. Some major assignments will include written scene analysis, written and verbal character analysis, written play critique, written and verbal peer and personal critique/evaluation, performance of several duo scenes.

Additional Information

Students will be required to attend one play performance outside of class and write a critique of the performance.

Estimated Daily Homework

15 minutes

Drama 2 - DRA121

1 Semester - Grade 10, 11, 12

CADR

Prerequisite

Drama 1 credit earned

Course Description

This is a performance based class. Students will learn basic skills

related to performing heightened language such as Shakespeare and Moliere. Acting techniques taught in this class will be challenging and a demonstration of strong acting skills is expected. Students will also learn basic stage management and directing skills. Some major assignments will include written scene and monologue analysis, written and verbal character analysis, written play critique, written and verbal peer and personal critique/evaluation, performance of several monologues.

Additional Information

Students will be required to attend two play performances outside of class and write a critique of the performance.

Estimated Daily Homework

30 minutes

Technical Theater - CDA511/CDA512

2 Semesters - Grade 9, 10, 11, 12

Meets Occupational Education and Visual/Performing Arts requirement.

CADR

Prerequisite

None

Course Description

Students in this course will concentrate on the major areas of theatre design, technology and production. Set design, costume design, lighting, sound, construction and make-up will be emphasized. Careers will be explored through interaction with professional artists in the technical trades and entertainment industry. This course is well suited for designers, technicians, actors, kinesthetic learners, artists and anyone interested in the background workings of a theatre production.

Additional Information

The skills learned in this area will mainly be practices "on the job." Students will explore the history and developments of design and technology and how those influence decisions for the stage. They will have design projects associated with theoretical as well as current productions taking their ideas from concept through build and execution. Students also have the opportunity to refine their skills in a real world situation with the many theatre productions that RHS.

Estimated Daily Homework

20- 30 minutes

Music

Music History – MUS011

1 Semester – Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

This class will give students an overview of music and its development from classical to jazz to rock, pop, and world music. Students will learn to identify major period of music history, styles of music, instruments and ensembles as well as the main players in popular music during the last 50 years. Students will have the opportunity to demonstrate performance of musical styles but this is not a

performance class. Assignments include in class reading, listening, research projects as well as class discussion and activities.

Estimated Daily Homework

20-30 minutes

Concert Band: Band 1 - MUS111/MUS112

2 Semesters - Grade 9

CADR

Prerequisite

Previous performance in a school band program or audition

Course Description

Concert Band (Band 1) is the introductory freshman band for the high school band program. It is a continuation of previous experience in band, with emphasis on improving individual and group playing skills. Developing pep band skills will also be a part of this course. Students will have performing opportunities in concert music, small ensembles and Pep Band. Major assignments include playing tests, concerts, pep band performances, and listening evaluations/paper. Class activities include full group rehearsals, sectionals, peer and self-critiques, and listening exercises. By the end of this course students will be able to sight read grade 2.5 wind band music, perform grade three wind band music, evaluate individual performance to aid improvement and understand preparation and performance skills used by professional musicians.

Additional Information

A \$30 uniform fee is charged for uniform cleaning and includes the pep band t-shirt. Additional fees for school instrument rental may be charged. Outside of school day performances (4-8 per semester) are required for the class.

Estimated Daily Homework

20 minutes

Symphonic Band: Band 2 - MUS121/MUS122

2 Semesters - Grades 10, 11, 12

CADR

Prerequisite

Prior participation in a school band or audition

Course Description

Symphonic Band is a performance group that builds upon the previous band experience of students. Rehearsal and performing opportunities will include concert music, small ensemble and Pep Band. Major assignments include playing tests, concerts, pep band performances, and listening evaluations/paper. Class activities include full group rehearsals, sectionals, peer and self-critiques, and listening exercises. By the end of this course students will be able to sight read grade three wind band music, perform grade four wind band music, analyze and evaluate individual performance to aid improvement and understand preparation and performance skills used by professional musicians.

Additional Information

Fee of \$30 required for purchase of performance uniforms. Additional fees for school instrument rental may be charged. Performances outside of the school day (approximately four to eight per semester) are required for the class.

Estimated Daily Homework

20 minutes of practicing/listening

Wind Ensemble: Band 3 - MUS161/MUS162

2 Semesters - Grades 10, 11, 12

CADR

Prerequisite

Audition. Prior participation in the RHS Band program expected.

Course Description

Wind Ensemble (Band 3) is the top ensemble in the band program. Rehearsal and performing opportunities will include concert music, small ensemble and Pep Band. Major assignments include playing tests, concerts, ensemble performances, pep band performances, and listening evaluations/paper. Class activities include full group rehearsals, sectionals, peer and self-critiques, and listening exercises. By the end of this course students will be able to sight read grade 3.5 wind band music, perform grade four and five wind band music, analyze and evaluate section and group performance to aid improvement and demonstrate preparation and performance skills used by professional musicians.

Additional Information

Fee of \$30 required for purchase of performance uniforms. Additional fees for school instrument rental may be charged. Performances outside of the school day (approximately six to ten per semester) are required for the class.

Estimated Daily Homework

30 minutes

Jazz Band - MUS171/MUS172

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Audition

Course Description

The Jazz Band is a performance group that builds upon the previous band experience of students. Rehearsal and performing opportunities will include jazz concert music and small combo experiences. Major assignments include playing tests, concerts, and listening evaluations/paper. Class activities include full group rehearsals, sectionals, peer and self-critiques, and listening exercises. By the end of this course students will be able to sight read grade 3.5 jazz band music, perform grade four and five jazz band music, demonstrate basic skills in jazz improvisation, analyze and evaluate individual performance to aid improvement and understand preparation and performance skills used by professional musicians. Jazz Band meets before school in a zero period.

Additional Information

Suggested prior experience in a school Jazz group. Fee required for purchase of performance uniforms. Additional fees for school instrument rental may be charged. Jazz Band students must be enrolled and participate fully in the concert band program (Band 1,2,or 3) or by the director's permission. Performances outside of the school day (approximately six per semester) are required for the class.

Estimated Daily Homework

30 minutes of practicing/listening

Chorus 1: Concert Choir - MUS411/MUS412

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

This course is a mixed ensemble (soprano, alto, tenor, bass) designed to teach students the art of choral music through study and performance. It is designed for the intermediate to advanced choral singer. Topics of study will include vocal technique and ensemble singing skills, harmonization, sight singing, performance skills, music theory and history. Literature from all genres and time periods are presented throughout the year which may include folk songs in many different languages, classical and contemporary choral literature and music from Broadway. Enrichment opportunities by invitation or audition are offered to all students throughout the year such as district honor choir, WA All-State Honor Choir, All Northwest Honor Choir, special community events and more. Major assignments include sight singing, music theory practice, music analysis and preparation, and participation in required performances.

Estimated Daily Homework

15 minutes

Additional Information

Students will be required to participate in choral performances and festivals as an extension of what is learned in the classroom. Students must purchase their own choir uniform (approximately \$95-\$100).

Chorus 2: Chamber Choir - MUS421/MUS422

2 Semesters - Grade 10, 11, 12

CADR

Prerequisite

Previous experience in choral singing; audition or teacher permission

Course Description

This course is an advanced choir designed to develop students into more independent musicians. This class will expand on ensemble skills taught in previous choir classes (harmony singing, sight-singing, performance skills, and some music theory). Literature from all genres and time periods will be presented throughout the year, which may include anything from classical to Broadway. Enrichment opportunities by invitation or audition are offered to all students throughout the year, such as district honor choir, WA All-State Honor Choir, All-NW Honor Choir, and more.

Additional Information

Students will be required to participate in choral performances and festivals as an extension of what is learned in the classroom. Students must purchase their own uniform (approx. \$95-\$100).

Estimated Daily Homework

30 minutes

Jazz Choir - MUS471/MUS472

2 Semesters - Grade 10, 11, 12

CADR

Prerequisite

Treble Choir, Concert Choir credit earned or equivalent experience

Course Description

This course introduces students to the art of Vocal Jazz music through the study and performance of literature voiced for acapella quartets and accompanied ensembles. It is designed for the intermediate to advanced choral singer who has a passion for performing and singing acapella. Topics of study will include vocal technique and ensemble singing skills, harmonization, sight singing, performance skills, music theory and history. Literature selected is primarily from the 20th century and beyond- jazz, barbershop, contemporary, folk songs, and Broadway. Enrichment opportunities by invitation or audition are offered to all students throughout the year such as district honor choir, WA. All-State Honor Choir, All Northwest Honor Choir, special community events and more. Major assignments include a choir artifact, sight singing exercises music, theory practice, music analysis and preparation, and participation in required performances. Vocal Jazz meets before school in a zero period.

Additional Information

Students will be required to participate in choral performances and festivals. Students must purchase their own choir uniform.

Estimated Daily Homework

20 minutes

Orchestra 1: Freshman Orchestra - MUS311/MUS312

2 Semesters - Grade 9

CADR

Prerequisite

Previous string instrument experience.

Course Description

The Freshman Orchestra introduces the string student to the demands and schedule of performance at the high school level. Students will continue to develop individual musicianship and technical skills through the study and performance of a variety of music. This class allows musical expression, self-discipline, and dedication to group efforts. The ensemble performs at school concerts, district festivals, the Northlake Orchestra Festival, and other community events. Students are instructed in the fundamentals of musical performance (tone, rhythm, scales, theory, string technique), with an emphasis on high level group performance. Class activities include full group rehearsals, sectionals, peer and self-critiques, and listening exercises. All performances are mandatory. Students must practice regularly, perform assigned music accurately, maintain equipment in top condition, and use department facilities in a responsible manner. By the end of this course students will be able to sight read grade three string and orchestral music, perform grade four string and orchestral music, evaluate individual performance to aid improvement and understand preparation and performance skills used by professional musicians.

Additional Information

Fee required for use of school instruments, uniforms, and field trips.

Estimated Daily Homework

Practice individual part as needed to obtain mastery.

Orchestra 2: String Orchestra - MUS321/MUS322

2 Semesters - Grades 10, 11, 12

CADR

Prerequisite

Previous string instrument experience.

Course Description

Through the String Orchestra setting students continue to develop individual musicianship and technical skills through the study and performance of a variety of music. This class encourages musical expression, self-discipline, and dedication to group efforts. The ensemble performs at school concerts, district festivals, the Northlake Orchestra Festival, and other community events. Students are instructed in the fundamentals of musical performance (tone, rhythm, scales, theory, string technique), with an emphasis on high level group performance. All performances are mandatory. Students must practice regularly, perform assigned music accurately, maintain equipment in top condition, and use department facilities in a responsible manner. By the end of this course students will be able to sight read grade 3.5 string and orchestral music, perform grade four and five string and orchestral music, analyze and evaluate individual performance to aid improvement and understand preparation and performance skills used by professional musicians.

Additional Information

Fee required for use of school instruments, uniforms, and field trips.

Estimated Daily Homework

Practice individual part as needed to obtain mastery.

Orchestra 3: Chamber Orchestra - MUS331/MUS332

2 Semesters - Grade 10, 11, 12

CADR

Prerequisite

Audition and/or permission of the director. Membership is also granted depending on instrumentation needs.

Course Description

This is an advanced level course that is intended for the string student that wishes to continue to study string technique and repertoire in an in-depth, advanced orchestral and chamber music performance setting. This is a performance based class. Attendance at all performances is mandatory. This group performs at school events, the LWSD High School Honor Orchestra, Northlake High School Orchestra Festivals, and competitive and non-competitive festivals as opportunities arise. Performances are also in small and large chamber music groups in Solo/Ensemble Festivals. By the end of this course students will be able to sight read grade four string/orchestral music, perform grade five and six string orchestral music, analyze and evaluate section and group performance to aid improvement and demonstrate preparation and performance skills used by professional musicians.

Additional Information

The members of this class are also members of the Mustang Symphony Orchestra. Students must officially enroll in the Symphony Ensemble if credit is desired. Uniform and field trips may apply. Fee required for use of school instruments. Membership is granted depending on instrumentation needs.

Estimated Daily Homework

Practice individual part as needed to obtain mastery.

Symphony Ensemble - MUS151/MUS152

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

This full year, after school class is open to any band or string student who wants to apply their highly developed, individual instrument technique and musical playing skills to the study and performance of some of the great orchestral works that are the foundation of classical music. Focus of the class will be on-going and in-depth study of musical performance as it applies to the symphonic setting. Tuning chords across the entire group; blending string and wind/brass instruments for a wider variety of tonal colors and understanding the differences between the various classical music genres as it applies to orchestral instrumentation and literature will be part of rehearsals. This is a performance based class. Attendance at all performances is mandatory. This group performs at school events, in the LWSD High School Honor Orchestra, Northlake High School Orchestra Festivals, Northwest Orchestra Festival and other community events as opportunities arise. At the conclusion of this course students will be able to sight read grade four orchestral music, perform Grade five and six orchestral music, analyze and evaluate section and group performance to aid improvement, and demonstrate preparation and performance skills used by professional musicians.

Additional Information

This class meets after the regular school day at least two days a week for a minimum of two hours per rehearsal. Mustang Symphony students are required to be enrolled and participate fully in at least one of the band or orchestra ensembles or by director's permission.

Estimated Daily Homework

Practice individual part as needed to obtain mastery.

AP Music Theory - MUS031/MUS032

2 Semesters - Grade 11, 12

CADR

Prerequisite

Basic music reading skills in at least one clef

Course Description

This course prepares the student for the AP Music Theory Exam and covers fundamental music theory, music history, listening and sight-singing skills. Class activities include dictation, sight singing, note taking, quizzes, computer aided practice, music arranging and composition. By the end of this course students will be prepared to take the AP Music Theory exam, analyze and write music in the Common Practice Era style, sight-sing and transcribe simple melodies and two part songs.

Additional Information

Students will need to purchase two staff paper notation books for note taking and dictation work. Taking the AP Music Theory exam is optional but recommended. Students may potentially receive credit and/or advanced placement from the university the plan to attend depending on the score they earn on the AP exam.

Estimated Daily Homework

30 minutes plus AP exam preparation

Piano 1 - MUS241

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

This course introduces students to the art of playing the piano through the study and performance of piano literature. It is designed for all levels of experience and proficiency, from novice to advanced. Topics of study include piano fundamentals, performance skills, music theory and history. Literature from all genres and time periods are presented throughout the semester which may include folk songs, classical and contemporary literature, jazz, Broadway and pop. Major assignments include a recital and a family/community performance project.

Estimated Daily Homework

15 minutes

Piano 2 - MUS251

1 semester - Grade 9, 10, 11, 12

CADR

Prerequisite

Piano 1 or instructor permission

Course Description

Piano 2 is a course designed for intermediate-to-advanced level pianists. Building upon skills learned in Piano 1 or in private piano lessons, students will continue to develop and refine their playing, reading, and theory skills in a way that prepares them to become independent musicians. Students will have an opportunity to select their own music to learn and work on in this course.

Estimated Daily Homework:

20-30 minutes

Music Soundtracks - MUS051

1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

Even before the first "talkie" music has played an integral role in the movie industry. As society has changed, so has our entertainment industry and the music that supports it. This class will briefly study music throughout history, from the 1600s moving forward to focusing on how music is an integral component of today's entertainment. Over the past 40 years, movie soundtracks have become even more innovative in movies. We will also take a look at video game soundtracks - their differences and similarities to movie soundtracks.

Students will study the well-known names of the composers of the film music and video game industry, why they are effective and even innovative through-out the history of film music and more recently, soundtracks for video games.

Estimated Daily Homework

20-30 minutes

French 1 - FOR111/FOR112

2 Semesters - Grades 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

Students will learn basic sentence structures including question and answer patterns leading to simple conversations. By the end of this course, students will be able to have basic conversations about themselves, hobbies, family, food, clothing, shopping, health, directions, and similar everyday situations. Students will build listening, reading, speaking and writing skills through interactive activities. Students will learn to pronounce words correctly in French; they will use present tense in basic conversations and describe simple events in the past. Students will develop an awareness of the connection of language and culture. Part of the class will be conducted in French.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

French 2 - FOR121/FOR122

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

French 1 credit earned

Course Description

Students will expand on their communication skills by using past tenses, comparisons, and reflexive verbs. By the end of this course students will be able to converse about topics such as sports and extracurricular activities, daily routine, shopping, and health care. Part of the class will be conducted in French.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

French 3 - FOR131/FOR132

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Completion of French 2

Course Description

The students will review and expand on language structures learned in previous years. By the end of this course students will be able to have conversations about future events, express emotions and uncertainty with the subjunctive, describe frequency, and talk about one's experiences. Students will develop an appreciation of art, music, literature, and history of French culture. Students should expect to speak French for most class communications.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

French 4 - FOR141/FOR142

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Completion of French 3

Course Description

The students will review and expand on language structures learned in previous years. Students will discuss a variety of topics including art, music, literature, environment, history, and politics of the French-speaking world. Students should expect to speak only French in class.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

AP French Language and Culture - FOR171/FOR172

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Completion of French 4

Course Description

The coursework consists of college level material that will prepare the student to take the AP test by the end of the year. Students will practice exam-type reading, listening, writing, and speaking tasks discussing a variety of topics including art, music, literature, environment, history, and politics of the French-speaking world. The class will be taught in French.

Estimated Daily Homework

30 minutes plus AP exam preparation

Additional Information

Fee required for workbooks and/or online language training program.

Japanese

Japanese 1 - FOR311/FOR312

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Description

Students will learn basic sentence structures including question and answer patterns leading to simple conversations. By the end of this course, students will be able to have basic conversations about themselves, hobbies, family, food, clothing, shopping, health, directions, and similar everyday situations. Students build listening, reading, speaking and writing skills through interactive activities. Students will learn to pronounce words correctly in Japanese; they will use present tense in basic conversations and describe simple events in the past. Students will learn to read and write Hiragana and Katakana, verbally use the proper greetings, and explain objects by their location using counters. Students will develop an awareness of the connection of language and culture. Part of class will be conducted in Japanese.

Additional Information

Fee required for workbooks

Estimated Daily Homework
30 minutes

Japanese 2 - FOR321/FOR322
2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite
Japanese 1 credit earned

Course Description
Students will expand on their communication skills by using past tenses, comparisons, and reflexive verbs. Students of Japanese learn to use the conjugation of formal and informal styles, casual form with nai-form, gender differences in Japanese speech style, and are introduced to Kanji. By the end of this course students will be able to converse about topics such as sports and extracurricular activities, daily routine, shopping, and health care. Part of class will be conducted in Japanese

Additional Information
Fee required for workbooks

Estimated Daily Homework
30 minutes

Japanese 3 - FOR331/FOR332
2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite
Completion of Japanese 2

Course Description
The students will review and expand on language structures learned in previous years. By the end of this course, students will be able to have conversations about future events, express emotions and uncertainty, describe frequency, and talk about one's experiences using ta-form. Students develop an appreciation of art, music, literature, and history of Japanese culture. Students should expect to use Japanese for most class communications.

Additional Information
Fee required for workbooks

Estimated Daily Homework
30 minutes

Japanese 4 - FOR341/FOR342
2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite
Completion of Japanese 3

Course Description
The students will review and expand on language structures learned in previous years. Students will discuss a variety of topics including art, music, literature, environment, history, and politics of the cultures of Japanese culture. Students should expect to speak only Japanese in class.

Additional Information
Fee required for workbooks

Estimated Daily Homework
30 minutes

AP Japanese Language and Culture - FOR371/FOR372
2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite
Completion of Japanese 4

Course Description
The AP Japanese Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Japanese Language and Culture course strives not to emphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Japanese. The AP Japanese Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of social, political, and educational issues (e.g., the role of religion in society, traditional versus modern gender roles), as well as more traditional topics (e.g., arts, customs, festivals, geography, and history). Throughout the course, students develop interpersonal skills that enable them to request and confirm the receipt of information, ask for and provide directions, and issue and respond to invitations. They also develop more cognitively challenging functional language skills, including the ability to compare phenomena, express opinions and preferences, and discuss life experiences. Additionally, students develop a command of a significant number of the most prevalent kanji, hiragana, and katakana characters used in Japanese writing.

Additional Information
Fee required for workbooks.

Estimated Daily Homework
30 minutes plus AP exam preparation

Spanish

Spanish 1 - FOR511/FOR512
2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite
None

Course Description
Students will learn basic sentence structures including question and answer patterns leading to simple conversations. Students build listening, reading, speaking and writing skills through interactive activities. Students will learn to pronounce words correctly in Spanish; they will use present tense in basic conversations and describe simple events in the past. Students will develop an awareness of the interdependence of language and culture. Part of class will be conducted in Spanish. By the end of this course, students will be able to have basic conversations about themselves, hobbies, family, food, clothing, shopping, health, directions, and similar everyday situations.

Additional Information
Fee required for workbooks

Estimated Daily Homework
30 minutes

Spanish 2 - FOR521/FOR522

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Spanish 1 credit earned in both semesters. Students entering Spanish 2 will take a placement test at the beginning of the year.

Course Description

Students expand on their communication skills by using past tenses, comparisons, and reflexive verbs. By the end of this course, students will be able to communicate about topics such as travel, daily routine, eating out, holiday celebrations, and technology. Part of class will be conducted in Spanish.

Additional Information

Fee required for workbooks.

Estimated Daily Homework

30 minutes

Honors Spanish 2 - FOR523/FOR524

2 semesters - 9, 10, 11, 12

CADR

Prerequisite

Completion of Spanish 1

Course Description

This honors course is designed for students who wish to extend and deepen their knowledge of the Spanish language and culture. This class is a key course in the sequence to AP Spanish. Students expand on their communication skills by using past tenses, reflexive verbs, future tense, conditional, and command forms. By the end of this course students will be able to communicate about topics such as airplane, train, and car travel; dining and accommodation; holiday celebrations; and technology. Most of class will be conducted in Spanish. Course work will prepare students to be successful in AP Spanish.

This Honors course is recommended for students desiring an accelerated and enriched curriculum that will prepare them for Spanish 3 and above (although not required to take Spanish 3 and above). This Honors course is designed to extend and deepen student knowledge in all areas of the Spanish language and culture.

Additional Information

Purchase of practice workbook required.

Estimated Daily Homework

30 minutes daily

Spanish 3 - FOR531/FOR532

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Completion of Spanish 2

Course Description

The students will review and expand on language structures learned in previous years. By the end of this course, students will be able to have conversations about future events, express emotions and uncertainty with the subjunctive, describe frequency, and talk about

one's experiences. Students develop an appreciation of art, music, literature, and history of Latin cultures. Students should expect to speak Spanish for most class communications.

Additional Information

Fee required for workbooks and/or online language training programs.

Estimated Daily Homework

30 minutes

Spanish 4 - FOR541/FOR542

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Completion of Spanish 3

Course Description

The students will review and expand on language structures learned in previous years. Students will discuss a variety of topics including art, music, literature, environment, history, and politics of the cultures of Latin culture. Students should expect to speak only Spanish in class.

Additional Information

Fee required for workbooks.

Estimated Daily Homework

30 minutes

AP Spanish Language - FOR571/FOR572

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Completion of Spanish 3 or Spanish Literacy and Cultures.

Course Description

The coursework consists of college level material that will prepare the student to take the AP test by the end of the year. Students will practice exam-type reading, listening, writing, and speaking tasks discussing a variety of topics including art, music, literature, environment, history, and politics of the Latin culture. The class will be taught in the Spanish.

Additional Information

Fee required for workbooks.

Estimated Daily Homework

30 minutes plus AP exam preparation

Spanish Literacy and Cultures - FOR591/FOR592

2 Semesters - Grade 9, 10, 11, 12

CADR

Prerequisite

Student must be able to understand spoken Spanish and be able to communicate verbally in Spanish. Teacher permission is required for non-native/heritage speakers. Los estudiantes deben ser capaces de comunicarse en el español hablado.

Course Description

This course offers students who can speak and understand spoken Spanish the opportunity to study the language formally in an academic setting. The course allows students to reactivate the Spanish they have learned previously and develop it further, to learn more

about the language and heritage of Spanish-speaking cultures, to acquire or refine Spanish literacy skills, and to develop or augment Spanish academic language skills that can be transferred into English and other subject areas and enhance future career opportunities. Students develop strategic Spanish academic vocabulary, learn to critically analyze literary and non-literary texts and poetry, and study cultural, historical, and political issues.

Este curso ofrece a los estudiantes que hablan el español en sus casas la oportunidad de estudiar la lengua española de una manera formal en un ambiente académico. El curso permite reactivar el español que los estudiantes han aprendido previamente y llevarlo a un nivel superior, para poder aprender más acerca de su idioma y de su herencia cultural. Así mismo para adquirir, mejorar o reforzar sus habilidades en lecto-escritura, expresión oral e interpretación. También para desarrollar y aumentar las estrategias y destrezas académicas que puedan ser transferidas al inglés y otras materias y así elevar las posibilidades de abrirse camino en el mundo laboral. Los estudiantes desarrollan un lenguaje académico, aprenden a analizar diferentes tipos de textos de una manera crítica teniendo en cuenta el contexto cultural, histórico y político.

Estimated Daily Homework
30 minutes

American Sign Language

American Sign Language I - CDL011/CDL012

2 Semesters - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, College Credit Available

Prerequisite
None

Course Description

American Sign Language is a uniquely different language because it uses sight instead of sound. ASL is a visual-gestural language. Students need to pay attention visually to learn the language. Students will also need to use their hands, arms, face and body to produce signs. Previous acting experience is beneficial. ASL has a different grammatical structure than English and so it is not possible to simultaneously speak English while signing ASL. Students will practice signing in partnerships and small groups. Due to the visual nature of the language, students are required to give performances in front of the class to demonstrate their language skills. ASL can be challenging for students who are shy, not fond of calling attention to themselves, or strong auditory learners. Another challenge in ASL is learning to communicate complex grammar simultaneously instead of by the traditional linear, one word at a time, method. By the end of the class, students will be able to discuss simple everyday situations. Students will also learn foundational skills important to a career in ASL interpreting.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework
30 minutes

American Sign Language II - CDL021/CDL022

2 Semesters - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, College Credit Available

Prerequisite
ASL 1 credit earned

Course Description

Students will expand on the communication skills learned in ASL1. Students will continue to learn ASL grammar rules and improve their expressive and receptive skills. Deaf culture will be explored in greater depth and detail. Students should expect to use ASL for most class communications. Due to the visual nature of the language, students are required to give in class performances to demonstrate their language mastery. Students will practice signing in partnerships and small groups.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

American Sign Language III - CDL031/CDL032

2 Semesters - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, College Credit Available

Prerequisite
Completion of ASL 2

Course Description

Students will expand on their language skills learned in ASL 2. Students need a strong foundation in understanding and producing ASL. Students will continue to learn vocabulary and grammar rules and improve their expressive and receptive skills. Students will explore ASL related careers. Deaf culture will be explored in greater depth. All instruction will be in ASL. Students should expect to use ASL for all class communications. Due to the visual nature of the language, students are required to give in-class performances to demonstrate their language mastery. Students will practice signing in partnerships and small groups.

Additional Information

Fee required for workbooks and/or online language training program.

Estimated Daily Homework

30 minutes

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Redmond High School

Jill VanderVeer - Principal
17272 N.E. 104th Street
Redmond, WA 98052
425-936-1800
rhs.lwsd.org

Lake Washington School District

Superintendent

Dr. Jon Holmen

Board of Directors

Eric Laliberte – Director, District One
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