

Lake Washington High School



2021-2022 Course Catalog

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LW is a school with a history of excellence. Choosing the right courses that align to your future is an important step in achieving your goals. We encourage you to think deeply about your choices and if necessary plot out a multi-year plan. We continually revise our course options to meet student interest. This year there are many new and exciting courses. Courses are run based on student interest so not all courses in the catalog will have enough interest to be on the actual schedule. Please take the time to read the course descriptions and requirements to select the courses that are appropriate. There are few options for changing after your selections have been made; so choose wisely.

Lake Washington High School will provide a safe, equitable educational environment for racial minority groups, to address race and eliminate institutional racism, to reduce the racial achievement gap

Lake Washington High School

Christina Thomas - Principal
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Lake Washington School District

Superintendent
Dr. Jon Holmen

Board of Directors
Eric Laliberte — Director, District One
Christopher Carlson — Director, District Two
Cassandra Sage — Director, District Three
Mark Stuart — Director, District Four
Siri Bliesner — Director, District Five

www.lwsd.org, and to decolonize curriculum to advance racial equity school-wide.



Counseling Center Telephone:

425-936-1702

Counselors provide a number of services for students and their families. Whether it is in the area of personal concerns, academic decisions, or post high school planning, counselors are here to support students and families. Students are assigned alphabetically to a counselor and are encouraged to make appointments as needed.

Counselors:

Kelsey Cummings
Lenore Gallucci
Marilyn Hargraves
Dawn LaMance
Cameron McGinnis
Cameron Miller
Taylor Reuhl

Counseling Staff:

Counseling Secretary/Registrar: Sarah Mebust
Psychologist: Allison Henry and Christina Meehan
Career Specialist: Charolett Henderson
Data Processor: Angela Jalobeanu
BECCA Specialist: Roxanne Baxter

Academic Planning:

- Orientation
- Course selection
- Registration
- School progress
- Alternative educational programs
- Student records
- Monitoring graduation requirements

Personal:

- Individual problem solving / decision making
- Time and stress management / study strategies
- Crisis counseling
- Referrals to community resources

Post High School Planning:

- Curriculum advising
- Post high school options
- Apprenticeships, college (vocational, technical, community and 4 year), direct job entry, military, private career schools, GAP year
- College application information

College Admission Testing:

- American College Test (ACT) actstudent.org
- Scholastic Achievement Test (SAT) collegeboard.org
- SAT II (Subject Tests) collegeboard.org

Achievement & Aptitude Testing:

- Armed Services Vocational Aptitude Battery (ASVAB)
- Smarter Balanced Assessment (SBAC)
- Preliminary Scholastic Achievement Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT)

Guidance:

- High School & Beyond Plan/Xello

ACT/SAT

Registration materials for national college entrance tests are available in the College and Career Center. Students are encouraged to register online at www.actstudent.org for ACT or www.collegeboard.org for SAT. Please visit the Counseling Center if fee waiver is needed for either test.

ASVAB Testing

The Armed Services Vocational Aptitude Battery (ASVAB) is offered during the school year (at least once) to interested LWSH students. This test provides information regarding students' aptitudes and interests in relationship to their careers of interest (www.military.com/join-armed-forces/asvab).

College/University Visits

Throughout the school year, college/university representatives schedule visits at the College & Career Center to speak with students regarding admission requirements and the application process specific to their school.

High School and Beyond Plan

The High School and Beyond Plan includes college/career awareness and expectations. Students have access to an electronic portfolio where they can store the results of their assessments and resume through Xello.

Military Exploration

All branches of the armed services visit monthly to provide students with information on possible career opportunities in the military. Service representatives are available to aid students with their application for enlistment, military academies, and ROTC programs.

WANIC

Information and registration for professional/technical course offerings at LWSH and other area high schools are available in the College and Career Center. Students may earn community college credit or state certification for these classes while in high school wanic.lwsd.org.

Scholarships

Scholarships are received throughout the year and posted on the LWSH College & Career Center web page: <https://lwsd.org/counseling/scholarships>. Check the link for updated scholarship information. When school is in the building, visit the Career Center for more information.

COURSES by department

Lake Washington High School 2021-22 course catalog

Career & Technical Education – CTE (p. 7-15)	Grade
American Sign Language I	9, 10, 11, 12
American Sign Language II	10, 11, 12
American Sign Language III	11, 12
AP Art and Design	10, 11, 12
AP Computer Science A	10, 11, 12
AP Computer Science Principles	9, 10, 11, 12
AP Environmental Science	10, 11, 12
AP Microeconomics	11, 12
AP Psychology	10, 11, 12
AP Statistics	11, 12
Business and Marketing Foundations	9, 10, 11, 12
Child Development I	9, 10, 11, 12
Culinary Arts I	10, 11, 12
Culinary Arts II	10, 11, 12
Culinary Arts & Catering	11, 12
Digital Design	9, 10, 11, 12
Digital Marketing and Social Media	9, 10, 11, 12
Economics	11, 12
Family Health	9
Financial Algebra	11, 12
Introduction to Computer Science	9, 10, 11, 12
Leadership Development	9, 10, 11, 12
Leadership & Project Management	9, 10, 11, 12
Marketing: Sports and Entertainment	9, 10, 11, 12
Microsoft Office Specialist (MOS) Certification	9, 10, 11, 12
Personal Finance	10, 11, 12
Photography I-A	9, 10, 11, 12
Photography I-B	10, 11, 12
Photography II-A	10, 11, 12
Computer Integrated Manufacturing	9, 10, 11, 12
Introduction to Engineering Design	9, 10, 11, 12
Principles of Engineering	10, 11, 12
Psychology	9, 10, 11, 12
Retail Management	10, 11, 12
Retail Operations	10, 11, 12
Robotics I	9, 10, 11, 12
Robotics II	9, 10, 11, 12
Theatre Production Workshop	9, 10, 11, 12
Urban Agriculture I	9, 10, 11, 12
Urban Agriculture II	10, 11, 12
Video Production I	9, 10, 11, 12
Worksite Learning	10, 11, 12
Yearbook	10, 11, 12
English (p. 16-19)	Grade
AP English Language and Composition	11
AP English Literature and Composition	12
Creative Writing 1	10, 11, 12

English 10 (Sophomore English)	10
English 10 Honors (Sophomore English)	10
English 11 (Junior English)	11
English 12 (Senior English)	12
English 9 (Freshman English)	9
English 9 Honors (Freshman English)	9
Fantasy and Sci-Fi Literature	9, 10, 11, 12
Film as Literature	11, 12
Mythology	9, 10, 11, 12
UW Composition: Comparative Literature	12
UW Composition: Literature	11, 12
UW Composition: Exposition	11, 12
Fine Arts – Visual (p. 20-22)	Grade
3D Art (Sculpture 1)	9, 10, 11, 12
Art 1 (Intro. to Drawing)	9, 10, 11, 12
Art 2 (Intro. to Painting)	9, 10, 11, 12
Art 3 (Int. Drawing & Painting)	10, 11, 12
Art 4 (Adv. Drawing & Painting)	10, 11, 12
AP 3D Art and Design (AP Art 3D)	10, 11, 12
AP Art and Design	10, 11, 12
Ceramics /Pottery 1	9, 10, 11, 12
Ceramics/Pottery 2, 3 and 4	10, 11, 12
Digital Design	9, 10, 11, 12
Photography I-A	9, 10, 11, 12
Photography I-B	10, 11, 12
Photography II-A	10, 11, 12
Video Production I	9, 10, 11, 12
Video Production II	10, 11, 12
Yearbook	10, 11, 12
Fine Arts - Music Instrumental (p. 23-24)	Grade
Chorus 1 (Chorale)	9, 10, 11, 12
Chorus 2 (Lyrica)	10, 11, 12
Guitar 1	9, 10, 11, 12
Guitar 2	9, 10, 11, 12
Jazz Ensemble	9, 10, 11, 12
Orchestra 1 (Concert)	9, 10, 11, 12
Orchestra 2 (Chamber)	10, 11, 12
Piano 1	9, 10, 11, 12
Piano 2	9, 10, 11, 12
Symphonic Band	9, 10, 11, 12
Wind Ensemble	10, 11, 12
World Drumming	9, 10, 11, 12
Fine Arts – Theater (p. 25)	Grade
Drama 1	9, 10, 11, 12
Drama 2	9, 10, 11, 12
Theater Production Workshop	9, 10, 11, 12

COURSES by department

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Health/Fitness (p. 26-27)	Grade
Family Health	9
Lifetime Fitness	9, 10, 11, 12
Physical Ed 2 (Healthy Lifestyles)	9 (Requirement)
Racquet & Net Sports	9, 10, 11, 12
Recreational Sports	9, 10, 11, 12
Sports Medicine	9, 10, 11, 12
Team Sports	9, 10, 11, 12
Walking and Yoga	9, 10, 11, 12
Weight Training 1	9, 10, 11, 12
Weight Training 2	10, 11, 12
Mathematics (p. 28-31)	Grade
Algebra 1	9
Algebra 2	9, 10, 11, 12
Algebra 2 Honors	9, 10, 11
Algebra 3 with Trigonometry	10, 11, 12
AP Calculus AB	11, 12
AP Calculus BC	11, 12
AP Computer Science A	10, 11, 12
AP Computer Science Principles	9, 10, 11, 12
AP Statistics	11, 12
Financial Algebra	11, 12
Foundations of Calculus	11, 12
Geometry	9, 10, 11
Introduction to Engineering Design	9, 10, 11, 12
Math Analysis	10, 11, 12
Math Seminar 1	9, 10, 11, 12
Math Seminar 2	9, 10, 11, 12
Statistics Through Applications	10, 11, 12
Science (p. 32-36)	Grade
Anatomy and Physiology - Movement & Transport	9, 10, 11, 12
Anatomy and Physiology - Nerves & Nutrients	9, 10, 11, 12
AP Biology	11, 12
AP Chemistry	11, 12
AP Environmental Science	10, 11, 12
AP Physics 1	10, 11, 12
AP Physics 2	11, 12
Astronomy 101 - Stars	10, 11, 12
Astronomy 150 - Planets & Solar System	10, 11, 12
Biology in the Earth System	9
Biology in the Earth System Honors	9
Chemistry in the Earth System	10, 11, 12
Chemistry in the Earth System Honors	10, 11, 12
Computer Integrated Manufacturing	9, 10, 11, 12
Culinary Arts I	10, 11, 12
Culinary Arts II	10, 11, 12

Culinary Arts and Catering	11, 12
Marine Science - Climate Change	9, 10, 11, 12
Marine Science - Human Impact	9, 10, 11, 12
Physics in the Universe	10, 11, 12
Principles of Engineering	10, 11, 12
Robotics II	9, 10, 11, 12
Weather and Climate	9, 10, 11, 12
Zoology	9, 10, 11, 12
Social Studies (p. 37-39)	Grade
AP Microeconomics	11, 12
AP Psychology	10, 11, 12
AP United States History	11
AP US Government and Politics	12
AP World History: Modern	10
Civics	12
Economics	11, 12
Modern World History	10
Psychology	9, 10, 11, 12
Social Justice	9, 10, 11, 12
US History	11
World History 1	9
World Religions	9, 10, 11, 12
World Languages (p. 40-41)	Grade
American Sign Language I	9, 10, 11, 12
American Sign Language II	9, 10, 11, 12
American Sign Language III	9, 10, 11, 12
AP French Language	10, 11, 12
AP Spanish Language	10, 11, 12
French 1	9, 10, 11, 12
French 2	9, 10, 11, 12
French 3	9, 10, 11, 12
French 4	9, 10, 11, 12
Spanish 1	9, 10, 11, 12
Spanish 2	9, 10, 11, 12
Spanish 3	9, 10, 11, 12
Spanish 4	9, 10, 11, 12
Spanish for Heritage Speakers	9, 10, 11, 12
Additional Course Choices (p. 42-43)	Grade
AVID	9, 10, 11, 12
AP Capstone 1 (AP Seminar)	10, 11
AP Capstone 2 (AP Research)	11, 12
ELL Beginning, Intermediate, Advanced	9, 10, 11, 12
Peer Tutor-Transition Students	9, 10, 11, 12
Principles of Leadership	9, 10, 11, 12
Teacher Assistant/Office Aides	9, 10, 11, 12
Video Production II	10, 11, 12

Academic Load

All freshman, sophomores, and juniors must take 14 semester classes/seven class periods per day. Seniors are encouraged to take seven classes but may opt to take late arrival (no first period) or early dismissal (no seventh period). Seniors with late arrival are not to arrive before 8:50 a.m.; those with early dismissal are to leave campus immediately after sixth period.

Credit Replacement Policy

Students who choose to take coursework from an accredited alternative school will receive “transfer code” on their transcript. It is the student’s responsibility to request an official transcript be sent to LWHS. If students choose to replace their grade, the higher of the two grades will be used in calculating GPA, the lower grade will not be calculated into the GPA, and both courses will be printed on the transcript. Students must see their counselor for clarification and to get summer school information or online courses approved and paperwork approved.

Online Coursework Policy

Students enrolling in online classes to satisfy graduation requirements or prerequisites need to schedule a meeting with their counselor. Students enrolling in online courses need to complete and return pre-approval paperwork to their counselor prior to enrolling in the class. Families are responsible for registration and payment. Grades earned in these online courses will be placed on the student’s transcript.

Homework Policy

The Lake Washington High School staff believes that homework is an important and valuable extension of classroom instruction. The amount of time spent on homework varies depending upon the student’s ability and the nature and 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 assignments in the manner prescribed and within the time allowed. Students are encouraged to regularly visit Skyward/OneNote OR Teams to check their progress as a way to track and remember assignments and due dates. Parents can participate in their student’s educational development by providing an atmosphere conducive to learning and by supervising homework activities. Based on the schedules of average Lake Washington High School students, all students should plan to spend a minimum of two hours per night to accomplish daily homework.

Honors Class

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.

All students, including Running Start and WANIC, must be enrolled in at least seven classes or be a full-time student and earn a GPA of at least 3.5 to qualify for Regular Honor Roll. All classes taken for a letter grade during the semester will be used for GPA computation.

All students, including Running Start and WANIC, must be enrolled in at least seven LWHS classes in a semester and earn a GPA of 4.0 to qualify for High Honor Roll. All classes taken for a letter grade will be used for GPA computation.

AP Classes

See description on page A2.

Student-Initiated Schedule Changes

The choices made by students during registration are considered to be final. We plan our courses and staffing for the upcoming school year based on those choices. Once the semester has started, students must remain in their scheduled classes. Schedule change requests based on teacher choice, teacher style, or lunch assignments will NOT be considered. Schedule change requests from students will be allowed during a set period at the beginning of the school year and prior to the beginning of the second semester.

Acceptable reasons include:

- a senior needs a specific class for graduation
- a student’s schedule is incomplete
- a student is in a class for which she/he has not met the prerequisite
- a teacher recommends the student move to a different level within the same discipline
- a student has previously taken class and it cannot be repeated for credit

A student may download a Schedule Change Request Form from the school website and submit it to the Counseling Center during the schedule adjustment period. Students will be given a new schedule IF a schedule change has occurred. Students must attend their original classes until the schedule change process is complete. Not attending a class does not constitute a “dropped” class. Students must follow the proper schedule change procedures outlined by the Counseling Center.

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.

Teacher Assistant

A maximum of one credit will be allowed from grade nine through grade 12 for being a TA. Credit of .5 or .25 value (depending on start date) will be granted for each semester of successful TA course completion. A “Pass/No Credit” grade is given.

Career and Technical Education (CTE) is a planned program of course work and learning experiences that supports the development of academic and life skills. Two semesters of CTE courses are required for graduation. **All CTE courses will satisfy the Occupational Education graduation requirement.** CTE Dual Credit (formerly Tech Prep) allows high school students to earn college credits for their high school CTE classes while learning important job skills.

Family Health - CDH511

**0.5 Credit / 1 Semester - Grade 9 (Requirement),
Grades 10, 11, 12 (if needed)**

Meets Health and Occupational Education graduation requirement

CTE Dual Credit

Prerequisite

None

Course Fee

None

Homework

As Needed

This class is required for graduation according to state graduation requirements. All students need to take Health for .5 credit.

Health class integrates a variety of health concepts and decision making behaviors to plan for personal and lifelong health goals. Students develop skills that make them health-literate adults. These include awareness and consequences of risky behaviors, disease prevention, overall wellness, and identification of community health resources. Students are taught how to access accurate information that they can use to promote health for themselves and others. Students demonstrate comprehensive health and wellness knowledge and skills. They use research, goal-setting, and communication skills to protect their health and that of the community.

Leadership Development - CVX151/CVX152

1.0 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and Elective graduation requirement

Prerequisite

None

Course Fee

None

Homework

Participation in LW Activities as Assigned

This course is open to all students interested in developing leadership skills. Students are given opportunities to engage in social emotional learning through student focused servant leadership curriculum. This class builds positive school culture through kindness and character development, project planning, and more. Students are measured on OSPI social emotional learning standards.

Leadership & Project Management - CVX153/CVX154

1 Credit / 1 Year - Required for all ASB and Class Officers or Representatives in Grade 9, 10, 11, 12

Meets Occupational Education and Elective graduation requirement

Prerequisite

None

Course Fee

None

Homework

Participation in LW Activities as Assigned

This course is open to all elected officers and students appointed through an official process who are interested in developing leadership skills and promoting positive school culture. Leadership students are involved in the planning of homecoming events, assemblies, spirit weeks, orientation, open house, PTSA meetings, student recognition, community service and other school activities. Students are expected to participate in school and community service projects. This class provides students with strategies, skills and experience needed to further the development of their leadership strengths. ASB officers, class officers, and commissioners are required to take this course for a full year. Attending a summer leadership camp in July and a work week in August are integral to the planning process for the year.

Agriculture & Natural Resources

Urban Agriculture I - CDX231

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CTE Dual Credit

Prerequisite

None

Course Fee

\$20

Homework

As needed

Course Description

This course is an introduction to the basics of plant identification and the benefits of growing and maintaining a garden. Students will develop leadership skills through collaboration with peers while growing seasonal crops in creative spaces. Students will apply the skills they learn to research and present sustainable solutions to problems inspired by local community issues. Through local industry partnerships, students will explore career pathways available in the growing field of sustainability.

Urban Agriculture II - CVX233/CVX234

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

Course Fee

\$20

Prerequisite

Urban Agriculture I

Homework

As needed

Interested in taking your gardening knowledge to the next level? Curious about what it takes to maintain a garden year-round? Want to learn more about post-secondary options in the field of natural resources, horticulture, and agriculture? Urban Agriculture II is for you! Urban Agriculture II is a course designed to allow students to take responsibility of the school garden for a whole year, from planning appropriate crop rotation over the course of the year to harvesting in the fall to exploring recipe options for all the fruits and veggies grown in the garden.

AP Environmental Science - CVC611/CVC612

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

Meets Occupational Education and Science graduation requirement

CADR

Dual College Credit Available

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.

Course Fee

None

Homework

Daily 30 minutes

Students will explore environmental issues in a lab environment. Students study a broad range of topics from ecosystems to pollution and climate change. This class will provide students with many hands-on opportunities to recognize impacts and solutions to problems facing the environment today. Students are encouraged to take the AP Exam in the spring. See AP Description on page A3.

Skilled & Technical Arts

Photography I-A - CVA411

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Meets Occupational Education and Art graduation requirement

CADR

Prerequisite

None

Course Fee

\$20

Homework

Frequent photo shoots completed outside of class

This course provides a comprehensive introduction to digital camera operations, photographic composition, and image editing. Students complete frequent photo shoots to develop technical competence and explore the power of photography for representing, shaping, and interpreting their world. Students learn how to use Adobe Photoshop and Adobe Lightroom to manipulate and enhance their photos. Class projects guide students to experiment in a variety of styles and genres as they start to refine their own personal voice. Students need to supply their own digital camera (point and shoot models are OK). DSLR (Digital Single Lens Reflex) cameras are ideal; some DSLR's will be available for student checkout.

Photography I-B - CDA412

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Meets Occupational Education and Art graduation requirement

CADR, CTE Dual Credit - Must Complete 2 Semesters (1.0 Credit)

Prerequisites

Photo I-A

Course Fee

\$20

Homework

Frequent photo shoots completed outside of class

This digital photography class builds on knowledge and skills gained

in previous photography courses to allow students to pursue a creative application of digital image creation. A portfolio will be developed through a mix of teacher-directed and student-directed projects to fulfill the student's personal artistic vision. Students will apply advanced composition techniques to create dynamic and engaging images with a focus on the Principles of Design. Advanced editing and digital manipulation will be taught. We will get more in-depth with camera controls using manual shooting mode. Traditional and creative studio lighting techniques are explored in projects. Student must supply their own digital camera for frequent out of class photo sessions; a compact camera is acceptable, own digital single lens reflex (DSLR) camera encouraged but not required..

Photography II-A - CVA413

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Meets Occupational Education and Art graduation requirement

CADR

Prerequisites

Photo I-B

Course Fee

\$20

Homework

Frequent photo shoots completed outside of class

Students will continue to build on advanced technical photography skills practiced in Photography I-B. The learning will be more student directed, as students will focus on specific photographic interests and propose projects relevant to these. Students will develop and refine their own photographic aesthetic through a portfolio of work. Own digital single lens reflex (DSLR) camera encouraged but not required.

AP Art and Design - CVA341/CVA342

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

Meets Occupational Education and Art graduation requirement

CADR

Prerequisite

Art 1 (Intro to Drawing) - high school level

Art 2 (Intro to Painting) - high school level

Course Fee

\$40 per semester (materials and supplies)

Homework

6+ Hours /Week

This will be a challenging and rewarding class. Students will use their advanced drawing and painting experience to become leaders in our art community. Over the course of the year students will create a portfolio (nine works of art + sketches) called a Sustained Investigation (SI). The SI is based on a question developed at the start of the term. What they choose to explore will be determined by what they want to learn and communicate as an artist. The question guides the work over the course of the year as students experiment, make revisions, and document their artistic practice.

THE EXAM - Students will choose to submit either a Drawing (and painting) or 2D Art and Design Portfolio. The portfolio will contain 15 slides (60% of exam score) and five physical works of art (40% of the exam score). There is no written exam, though students are required to write about their processes, ideas, and materials for both parts of the portfolio.

Digital Design - CDA351

0.5 Credit/1 Semester – Grade 9, 10, 11, 12

Meets Fine Arts and Occupational Education graduation requirement

Prerequisite

None

Course Fee

\$10

Homework

As needed

Creatives in Digital Design will use the Adobe Design Suite to create impactful, meaningful, and quality visual designs and artifacts. This will involve learning the design cycle and applying knowledge of the elements and principles of art and design. Students will understand their role as creative problem solvers and apply that knowledge through the creation of their work. Creatives will work to research, conceive, sketch, and execute designs that communicate a specific message and align to certain parameters. The course will also include study of the history of design, typography, and color theory.

Video Production I - CDA201/CDA202

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Fine Arts and Occupational Education graduation requirement

CTE Dual Credit

Prerequisite

None

Course Fee

None

Homework

1 Hour Daily; Out of School Commitment Occasionally Required

Interested in making movies and professional videos? Video Production covers professional video and film production. Students get hands on experience planning, writing, directing, shooting, editing and producing video using digital video cameras and professional editors. This is a hands-on experience as you take part in producing and performing studio television programming including our weekly news program, Kang News. This class prepares you for advanced college courses and/or for work in industry. This course may be repeated for credit.

Video Production II - CDA203/CDA204

1 Credit / 1 Year – Grade 10, 11, 12

Meets Fine Arts and Occupational Education graduation requirement

CTE Dual Credit

Prerequisite

Completion of Video Production I

Course Fee

None

Homework

1 Hour Daily; Out of School Commitment Occasionally Required

This course is a continuation of the principles learned and practiced in Introduction to Video Production. Students will add to their skills through advanced techniques in image acquisition with increased emphasis on editing of live-action video footage. Working with contemporary non-linear systems, the emphasis will be placed on the structure and pacing of a finished video project. Student videos will be used for Kang News and film festivals. This course may be repeated for credit.

Yearbook - CDA151/CDA152

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

Meets Occupational Education and Art graduation requirement

CTE Dual Credit

Prerequisite

Teacher approval

Course Fee

\$35

Homework

2-4 hours dependent upon our production cycle

Be part of our creative team. Yearbook offers the opportunity to be involved in all school activities. Our work includes in-depth practice and application of journalistic methods: interviewing, writing, photography and graphic design. Be prepared, a large portion of our yearbook coverage is from events taking place outside of the school day. You will be required to complete weekly photo assignments and to regularly attend extracurricular activities, club meetings/events, and sports practices/games. As a public representative of our school, you are expected to be professional and considerate when performing your duties. Digital SLR cameras are available for checkout only on a daily basis. Your work will pay off - colleges recognize the huge commitment that students make when they see this class on transcripts.

Theater Production Workshop - CVA501/CVA502

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Fine Arts and Occupational Education graduation requirement

CADR

Prerequisite

Theater experience or completion of the *Technical Interest Form* available on the school web site <https://lwhs.lwsd.org/activities/drama>

Course Fee

\$25 (scripts, costume rentals, and performance royalties)

Homework

As Needed; Participation in at Least One After-School Event Each Semester Required

In this production workshop class, students will get an overview of the entire process of putting on a theatrical production at LW. Students will collaborate to produce art in a variety of mediums, including posters for the show, programs, props, ideas for set design, and makeup design and application. Student actors will audition for roles, develop their characters, and perform in the Fall Play and/or Spring Musical. Student leaders will learn how to be stage managers and assistant directors. If you are interested in being a part of LW's fabulous Drama Department, this is your chance! This is a hands-on course that requires some after-school time. The \$25 dollar course fee provides students with scripts, props, costumes, and goes towards paying the royalties for the production. This course can be repeated for credit.

Business & Marketing

Business and Marketing Foundations - CDX401/CDX402

1 Credit / 1 Year - Grade 9, 10, 11, 12

CTE Dual Credit

Prerequisite

None

Course Fee

\$38

Homework

As Needed

Marketing offers applied learning as students develop skills which are essential in the business world. This course helps students develop 21st Century skills such as speaking, presenting and critical thinking. Units include economic systems, product development, business simulations, advertising, salesmanship and elementary free enterprise teaching projects. In addition, students are involved in DECA (Distributive Education Clubs of America) and leadership activities such as attending conferences and participating in competitions and community service events.

Retail Operations - CDX421/CDX422

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

CTE Dual Credit

Prerequisite

Teacher permission

Course Fee

\$38

Homework

As Needed

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.

Retail Management - CDX423/CDX424

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

Prerequisite

Teacher Permission

Course Fee

\$38

Homework

As Needed

This class is a continuation of the principles learned in Retail Operations. This class is focused on design theory as implemented by the Stanford D School and the Henry Ford Institute. Utilizing 21st Century skills, students will design products and businesses that meet customer needs and/or address unmet needs in the commercial, social and global economy. Through experimental learning, case studies, business writing assignments and creative thinking exercises, students will develop a disciplined

thought process for starting and running their own enterprise and begin the development of a business plan. In addition, students are involved in DECA (Distributive Education Clubs of America) and leadership activities, such as attending professional conferences and community service events.

Digital Marketing and Social Media - CVX415

.5 Credits/1 Semester – Grades 9, 10, 11, 12

Prerequisite/Threshold

None

Course Fee

None

Homework

Based on project-based assignments and team projects time management. As with all business and marketing classes, there will be 1 professional development project that will require a mentor outside of class.

Course Description

A program that focuses on the power and philosophy of social media in marketing. Concepts to be covered include the changing context of how social media is changing media, business development, and government fundamentally, use of social media tools, and use of filters. Includes instruction in use of social media within organizations, including relation building, creation of content, and policy concerns.

Marketing: Sports and Entertainment - CDX413

0.5 Credit/Semester - Grades 9, 10, 11, 12

CTE Dual Credit

Prerequisite

None

Course Fee

\$38

Homework

Yes

Sports & Entertainment Marketing examines these diverse industries. Students will gain an in-depth understanding of marketing strategies from a sports & entertainment perspective. Areas of emphasis include: Marketing mix decisions, branding and licensing, marketing research, strategic planning, e-commerce and global marketing. Students will participate in DECA activities such as conferences, competitions and community service events.

Microsoft Office Specialist (MOS) Certification - CDX301

.5 Credits/1 Semester – Grades 9, 10, 11, 12

CTE Dual Credit

Prerequisite

None

Homework

As needed

Discovering the usability and function of the Microsoft Office Suite (Word, PowerPoint, Excel) is the focus of this class. Additional topics will include keyboarding, Internet safety, search skills, and digital etiquette. 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. Students will be able to create, enhance and customize complex documents; share and publish

documents; create effective presentations; enter, analyze and manipulate spreadsheet data and create and manipulate databases. The course may be taken a second time for additional (Access, Outlook) and expert-level certifications with teacher approval.

Microsoft Office Specialist Certification II - CDX303

.5 Credit/1 Semester - Grades 10, 11, 12

CTE Dual Credit

Prerequisite

Microsoft Office Specialist I (MOS Certifications) and teacher approval

Homework

Less than 1 hour a week

The expert-level version of Microsoft Office Specialist (MOS) Program provides the opportunity to earn advanced industry-recognized certifications in Word, Excel and/or Access. This course will be project-based, and students will design and develop business documents within each application. This advanced course will test skills as they would in the real world and validate their understanding of the advanced Microsoft Office program functionality. This guarantees that every advanced certified user has demonstrated the ability to operate the full features of the programs which gives students an advantage as employers recognize, value, and hire advanced MOS certified individuals. In addition to the development of technical skills, students will identify and practice workplace skills and professionalism throughout the course. Semester-long course recommended for students who are interested in continuing to learn advanced technical skills to earn Microsoft Office Specialist credentials necessary for entry and advanced-level employment

Personal Finance - CDX651

0.5 Credit / 1 Semester - Grade 10, 11, 12

CTE Dual Credit

Prerequisite

None

Homework

As Needed

Personal Finance prepares students for life after high school and focuses on important life skills. These skills include balancing a monthly budget, opening a checking and savings account, managing credit and strategies for staying out of debt, understanding our paycheck, paying taxes, renting an apartment, buying a home, purchasing a car and investment options and career exploration. Students leave this class prepared to deal with finance and living within their means.

Financial Algebra – CDM201/CDM202

1 Credit / 1 Year – Grade 11, 12

Meets Occupational Education and Math graduation requirement

CADR (senior year), CTE Dual Credit

Prerequisite

None

Course Fee

None

Materials Required

Graphing Calculator

Homework

Daily, 30 minutes

This class qualifies for Occupational Education or Math credit. Math credit is available only to 11th and 12th graders if the student received approval to use the class as a substitute for Algebra 2 according to their High School and Beyond Plan.

Financial Algebra provides an opportunity to apply mathematics to the management of money in everyday life. Students will learn topics such as linear and quadratics systems, exponential, and piecewise functions, and regressions in the context of personal finance. Investigations will take place under the financial umbrellas of investing, banking, credit, income taxes, insurance, and household budgeting. CTE (Career and Technical Education) employability and leadership standards are integrated throughout the curriculum.

AP Statistics - CVM301/CVM302

1 Credit / 1 Year - Grade 11, 12

Meets Occupational Education and Math graduation requirement

CADR

Prerequisite

Credit in Algebra 3 with Trigonometry or Math Analysis or Statistics through Applications

Course Fee

None

Materials Required

Graphing Calculator TI-84+

Homework

Daily, 1 Hour

District Adopted Curriculum: The Practice of Statistics

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 hypotheses. Some major assignments include designing and implementing sample surveys, observational studies, and experiments, as well as critical statistical analysis of real-life data. By the end of this course, students will have a working knowledge of the ideas and tools of practical statistics and be able to make informed decisions based on data.

Economics – CVS621

0.5 Credit / 1 Semester - Grade 11, 12

Meets Occupational Education and Social Studies graduation requirement

CADR

Prerequisite

None

Course Fee

None

Homework

Intermittently

This elective course is designed to help students understand the economy at the personal, business, national, and global levels. We will cover the foundations of economic thinking, how markets work, government finances and influence on the economy, and how economists measure and manage the economy, with a final research project into a controversial economic issue. Major topics include personal financial literacy, how businesses and government allocate scarce resources, solutions to income inequality, and the economics of environmental policy. Learn to think like an economist! This course counts for a social studies elective credit.

AP Microeconomics - CVS351/ CVS352

1 Credit / 1 Year – Grade 11, 12

Meets Occupational Education and Social Studies graduation requirement

CADR (or other)

Prerequisite

None

Homework

Daily, 30-60 minutes

This course will prepare students for the AP Microeconomics exam, if they choose to take it. Content and conduct of this course is preparatory for college work in subjects such as business and finance. Topics will include basic economic concepts, such as scarcity, opportunity cost, supply and demand, marginal analysis, and the role of incentives in decision-making, as well as a deeper look into economic systems, market structures, market failures, and the role of government. Students will prepare for various types of tests, including creating and analyzing models and researching and writing about economics. See AP description on page A3.

Technology & STEM

Introduction to Engineering Design - CDM801/CDM802

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and Math graduation requirement

CTE Dual Credit

Prerequisite

Algebra 1 concurrent or completed

Course Fee

\$20

Homework

As Needed

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.

Principles of Engineering - CDC803/CDC804

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

Meets Occupational Education and Science graduation requirement

Prerequisite

Introduction to Engineering Design

Course Fee

\$20

Homework

As Needed

This course expands the STEM concepts and knowledge base learned in Introduction to Engineering Design. The class covers more in-depth and demanding curriculum pathway that can lead students to engineering, computer programming, industrial technology or other related courses and careers. This course is tied to national math and science standards.

Robotics I - CVX861

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Prerequisite

None

Course Fee

\$45

Homework

As Needed

This course will provide students with hands-on practical knowledge of electronic devices that are controlled by microprocessors, and the skills to make such devices work. Students learn to design and build devices that detect their surroundings, move, make noise, play music, communicate, and respond to remote control. In the process these students become programmers with the C language. Among the skills learned are programming microcomputers, parts identification, reading electronic schematics, circuit breadboarding, circuit board fabrication, drilling, parts insertion, and soldering.

Robotics II - CVC863/CVC864

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and Science graduation requirement

Course Fee

\$60

Homework

As Needed

This course is focused on the physical structure and design of mechanical robots. Emphasis will be placed on the safety of using tools, safety of robotic construction, and safety of robotic activity. Students learn to use CAD, computer-controlled machine tools, stress analysis of mechanical systems and engineering design processes used in creating robotic actuators. This is a lab-based class using applied project learning concepts. Course can be repeated for credit.

Computer Integrated Manufacturing - CVC805/CVC806 **1 Credit/1 Year – Grades 9, 10, 11, 12**

Course Fee
\$60

Course Description

Computer Integrated Manufacturing is one of the specialization courses in the Engineering program. The course deepens the skills and knowledge of a student within the context of efficiently creating the products all around us. Students build upon their Computer Aided Design (CAD) experience through the use of Computer Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product designed by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems.

Throughout the course students learn about manufacturing processes and systems. This course culminates with a capstone project where students design, build, program, and present a manufacturing system model capable of creating a product.

Introduction Computer Science - CDX901 **0.5 Credit / 1 Semester - Grade 9, 10, 11, 12**

Prerequisite
None

Course Fee
None

Homework
As Needed

This course is designed to offer students an introduction to computer science and the technologies that surround us every day. Students will learn to program and work with graphics using the Python programming language. They will be able to implement the ideas they have learned into projects.

AP Computer Science Principles - CDM913/CDM914 **1 credit/1 year – Grade 9, 10, 11, 12**

Meets Occupational Education and Math graduation requirement

CTE Dual Credit

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.

Prerequisites
Algebra 1

Course Fee
None

Homework
Daily 15-30 minutes

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is

collaborative and ethical. Computer Science Principles is an entry-level course that introduces students to the foundations of modern computing. Students will use JavaScript to develop applications and learn general principles of algorithms and program design that apply to any programming language. No previous programming experience is required.

AP Computer Science A - CDM911/CDM912

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

Meets Occupational Education and Math graduation requirement

CADR (senior year), CTE Dual Credit

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.

Prerequisites
Algebra 1

Course Fee
None

Homework
Daily 30-60 minutes

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

This class prepares the student for the AP Computer Science A exam. By the end of this rigorous programming course, students will be able to design, implement, and analyze solutions to problems; use and implement commonly used algorithms; use standard data structures; develop and select appropriate algorithms and data structures to solve new problems; write programs fluently in an object-oriented paradigm; write, run, test, and debug solutions in the Java programming language. Students will learn important elements of the Java programming language including object-orientation, encapsulation, abstraction, and polymorphism. Prior programming experience is recommended, but not required.

Human Services

These courses provide students with the opportunity to develop skills and create projects that support district and state graduation requirements. Students are provided opportunities to develop leadership, reading and math skills as they explore relevant subject areas that help prepare them for life after high school. CTE Dual Credit allows high school students to earn college credit for their high school Career & Tech Education classes while learning important job skills.

Culinary Arts I - CVC731

0.5 Credit / 1 Semester - Grade 10, 11, 12

Meets Occupational Education and Science graduation requirement

Prerequisite

None

Course Fee

\$30 + Food Handler Permit (\$10 Prepaid Credit Card)

Homework

As Needed

Culinary Arts 1 is an in-depth course for students wishing to explore careers in a variety of food service industry fields. Students enrolled in the class learn techniques in a variety of cooking methods. Students practice safety and sanitation procedures, cooking fundamentals, and catering. Students learn to accept leadership responsibility and be part of a team while demonstrating the skills and attitudes that contribute to a productive and safe working environment.

Culinary Arts II - CDC741

0.5 Credit / 1 Semester - Grade 10, 11, 12

Meets Occupational Education and Science graduation requirement

CTE Dual Credit Available - Must Complete 2 Semesters (1.0) Credit

Prerequisite

Culinary Arts 1

Course Fee

\$30 + Food Handler Permit (\$10 Prepaid Credit Card)

Homework

As Needed

In this advanced class, students learn the resources, skills and practices required for careers in Catering and Hospitality and food related services. It includes instruction in all aspects of operating a commercial kitchen: organization, sanitation and quality control, basic food preparation and cooking skills, kitchen and kitchen equipment maintenance, and quantity food measurement and monitoring. Students budget, plan, and prepare meals and service for special functions, including banquet management from set-up to break-down. Some catering events after school are a requirement.

Culinary Arts & Catering - CVC751/CVC752

1 Credit / 1 Year - Grade 11, 12

Meets Occupational Education and Science graduation requirement

This class qualifies for Career & Tech Education credit and is offered through WANIC.

CTE Dual Credit

Prerequisite

Culinary Arts 1 and 2 and Teacher Permission

Course Fee

Food Handler Permit Paid at Exam

Homework

As Needed

This is an advanced Culinary Arts & Catering class in which students will learn the resources, skills and practices required for careers in catering. Class content includes instruction in all aspects of operating a catering business such as planning meals, budgeting, ordering, competitions, community involvement, safety refinement, marketing, and banquet management from set-up to breakdown. Food handler permit is required and may be obtained online at: www.foodworkercard.wa.gov.

Child Development I - CDX501

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CTE Dual Credit

Prerequisite

None

Course Fee

None

Homework

Occasional

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.

Psychology – CVS551

0.5 Credit/1 Semester – Grade 9, 10, 11, 12

Meets Occupational Education and Social Studies graduation requirement

CADR

Prerequisite

None

Homework

Occasional, plus time for projects as needed

This course explores the nature of human behavior, and attempts to explain why people act the way they do. Psychology is the study of human intellectual, social, and emotional development. Topics to be addressed will include sensory exploration, ethics, states of consciousness, growth and development, learning, intelligence, memory, emotion, personality, social psychology, and disorders. Students explore course material through group activities, projects, educational videos, and selected readings.

AP Psychology - CVS561/ CVS562

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

Meets Occupational Education and Social Studies graduation requirement

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, 1 hour

The AP Psychology course is designed to introduce students to the systematic and scientific study of behavior and mental processes of humans and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major areas within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course helps prepare students for the end-of-year AP exam.

American Sign Language I - CDL011/CDL012

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, CTE Dual Credit

Prerequisite

None

Course Fee

None

Homework

2-3 Hours/Week

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. This class is presentation based and taught in the target language. Two years of American Sign Language satisfies the World Language entrance requirement for many Washington State colleges and universities. By the end of the year, students will have a conversational knowledge of American Sign Language.

American Sign Language II - CDL021/CDL022

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, CTE Dual Credit

Prerequisite

Successful completion of level 1

Course Fee

None

Homework

2-3 Hours/Week

Students will continue to refine and improve their ASL skills acquired from the introductory course (ASL 121). The students will continue to learn ASL grammar rules and deepen their expressive and receptive skills. Deaf culture will be explored in greater depth and continued discussions of current ASL, Deaf, and related vocational-technical career topics presented. This class is presentation based and taught in the target language.

American Sign Language III – CDL031/CDL032

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, CTE Dual Credit

Prerequisite

Completion of second year with grade C- or higher in both semesters

Course Fee

None

Homework

30 minutes

Students will expand on their language skills learned in ASL 2. Students will continue to learn vocabulary and grammar rules and improve their expressive and receptive skills. This class is presentation based and taught in the target language. Students will explore ASL related careers. Deaf culture will be explored in greater depth. Students should expect to use ASL for most class communications.

The English department continues to revise and enhance its program through identification of essential learning and common assessments. The students will find the instruction both rigorous and relevant to their lives. Throughout high school, students will study different types of literature, learn various writing techniques and styles, and apply oral presentation skills. Available technologies (various computer applications, PowerSchool, DVD's, videos) will be utilized.

Honors English Courses

Emphasis throughout the program is on a sequence of experiences designed to make students truly independent learners. These courses are intended for students with special talents and interests in English. Since the honors course during the freshman and sophomore years forms the basis for the junior and senior Advanced Placement Courses, students need to be willing to read critically, write with depth, and have a strong work ethic.

Advanced Placement (AP)

The department encourages students who wish to participate in the Advanced Placement program to take English 9 and 10 Honors. By taking these classes, students form the broadest information base possible and acquire in-depth analytical writing and thinking skills required for either the Language and Composition or Literature and Composition AP Exams. Students meeting the prerequisites are encouraged to take both AP classes offered. AP Language and Composition is open to juniors and AP Literature and Composition is open to seniors. By taking the core of the two AP classes and adding extra study, reading, and writing for timed exams, students will be more prepared for AP exams given in May of each year. See AP description on page A3.

Required Courses:

- 9th: English 9 (Freshman English) or English 9 Honors (Freshman English Honors)
- 10th: English 10 (Sophomore English) or English 10 Honors (Sophomore English Honors)
- 11th: English 11 (Junior English) or AP Language and Composition, or UW Composition
- 12th: English 12 (Senior English), AP Literature and Composition, or UW Composition: Exposition and Writing in Comparative Literature

English 9 – ENG121/ENG122

1 Credit / 1 Year – Grade 9

Homework

Daily, 30 minutes

This class provides instruction and practice in a comprehensive range of reading, writing, and speaking skills. Literary studies may include a selection of short stories, Beowulf, Animal Farm, Lord of the Flies, and Romeo and Juliet. Supplemental informational texts and videos may also be provided. Students will analyze, discuss, and write about these texts. Writing assignments are designed to strengthen students' writing skills with emphasis on thesis development, organization, supporting evidence, commentary, and conventions. Students will engage in discussions, presentations, speeches, and group projects to grow in their speaking and listening skills. Learning will be demonstrated through a combination of these tasks, projects, tests, and both informal and formal writing assignments.

Honors English 9 – ENG171/ENG172

1 Credit / 1 Year – Grade 9

Homework

Daily, 1 hour

This course is for motivated students with strong reading and writing skills who desire an accelerated and enriched curriculum that will prepare them for future Advanced Placement and college prep courses. Literary studies include short stories, Beowulf, Animal Farm, Lord of the Flies, The Odyssey, and Romeo and Juliet. Supplemental informational texts and videos may also be provided. Students will focus on exploring, interpreting, and analyzing literature and informational texts through formal annotations and close reading. Assignments and discussions will emphasize critical thinking, questioning techniques, interpreting author's purpose, analyzing literary devices, evaluating style, and speaking and listening skills. Students should be prepared to contribute to in-depth class discussions, work collaboratively with others, display self-motivated attitudes, and engage in challenging and independent reading and writing daily. Students taking Honors English 9 must complete a summer reading assignment, which will be posted on the LWHS website and communicated to middle school teachers.

English 10 - ENG221/ENG222

1 Credit / 1 Year - Grade 10

CADR

Prerequisite

Sophomore Standing

Course Fee

None

Homework

Daily, 30 Minutes

The class focus for the first semester is on various types of literature. The literacy emphasis for both semesters is on world literature and poetry. Speaking and listening skills are emphasized throughout the course. **Students taking English 10 must complete a summer reading requirement, which is posted on the school website.**

Honors English 10 - ENG271/ENG272

1 Credit / 1 Year - Grade 10

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, 1 Hour

This advanced class prepares sophomores for rigorous Advanced Placement and UW in the High School affiliated courses. Through an investigative learning cycle that builds on close-reading of published texts and application of new writing skills, students will improve existing abilities as critical thinkers, purposeful writers, and effective public speakers. Students choosing to enroll in this class should be highly self-motivated and prepared to struggle at times, as growth is dependent upon effort and mere participation does not ensure excellence. Growth as a learner is the primary goal for the course. Reading materials will include classic and contemporary texts ranging in length from a single paragraph to a few hundred pages. Writing assignments will range from brief informal reflections to multi-draft essays. Additional activities will help students develop practical study and prep skills, problem-solving techniques, and research abilities. **Students must complete a summer reading assignment, which is posted on the school website.**

English 11 - ENG321/ENG322

1 Credit / 1 Year - Grade 11

CADR

Prerequisite

Junior Standing

Course Fee

None

Homework

Daily, 1 Hour

Junior English continues to emphasize writing, speaking, and literature. The literary emphasis is on American authors, and many assignments are offshoots of in-class discussion. Content of the course includes research skills, communication skills, and various modes of writing.

AP English Language and Composition - ENG491/ENG492

1 Credit / 1 Year - Grade 11

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, 1 Hour

This course is designed to bring students to independence in their learning through student centered discussion and study. Course work focuses on diction, presentation and construction of ideas, and writing about concepts, all elements of AP preparatory work emphasizing Language and Composition. The strategies for "timed writings" are established during this course. This course is strongly recommended to any student considering taking AP English Literature and Composition. AP designation will be added to the student's final transcript. This course uses fiction and poetry. Students taking AP English Language and Composition must complete a summer reading requirement, which is posted on the school website. See AP description on page A3.

English 12 – ENG421/ENG422

1 Credit / 1 Year – Grade 12

CADR

Prerequisite

Senior Standing

Course Fee

None

Homework

Varies

Though a year-long course dedicated to preparing students for greater college and career readiness, English 12 is broken up into two separate semesters with each having a different primary emphasis. The first semester of the course will focus on developing each student's composition and public speaking skills. By building on past experiences with formulaic writing models such as the five-paragraph essay, students will create written and spoken responses of greater clarity, cohesion, and complexity.

The second semester of the course will focus on developing each student's ability to appreciate, process, and analyze literature. Course materials will vary, but students should expect to read a wide range of texts, which may include essays, novels, poems, short fiction, plays, and/or speeches. Writing in response to readings will be prevalent throughout the course.

Students should expect to write in a variety of modes, including, but not limited to: narrative essay, compare/contrast, literary analysis, and various non-fiction forms.

AP English Literature and Composition - ENG495/ENG496

1 Credit / 1 Year - Grade 12

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, 1 Hour

This course takes up where AP Language and Composition concludes, focusing on the elements of memorable and effective literature. Students will learn to read a variety of literary styles independently and critically for structure, style, and themes, with an emphasis on independent thinking and discussion. The strategies for "timed writings" and other AP preparatory work will be carried over from AP Language and Composition. The AP designation will be recorded on the students' final transcript. Students taking AP English Literature and Composition must complete a summer reading requirement, which is posted on the school website. See AP description on page A3.

UW in the High School affiliated English courses

Students are able to take multiple UW Comp classes, but may not take the same section twice. If you took UW Composition: Exposition and Writing in Comparative Literature (UW Comp & Lit) - ENG887/ENG888 during the 2020-2021 school year, you must register for UW Composition: Literature/ENGL 111 – ENG851/ENG852. After ENGL887/ENG888 OR ENG851/ENG852, seniors can take UW Composition: Comparative Literature/C LIT 240 – ENG887/ENG888.

UW Composition: Literature/ENGL 111 – ENG851/ENG852

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, averaging 1 hour per night

This yearlong course focuses on the study and practice of good writing at the college level. Throughout the year we will focus on a variety of student-chosen topics through the exploration, discussion, and response to a variety of novels, poems, essays, plays, podcasts, and more. The readings are literary in nature and all compositions are multi-modal. The readings and projects will be determined by the student-chosen topic of each quarter. Students interested in enrolling should be prepared for creative freedom in writing assignments and independent work environment, mirroring the college experience.

UW Composition: Exposition/ENGL 131 - ENG853/ENG854

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, averaging 1 hour per night

This yearlong course introduces students to college-level reading, writing, and pacing within the high school setting. Both semesters focus on sustainability: environmentally speaking and culturally speaking. Students have the creative freedom to explore and write to a current issue of their choice, focusing on how our writing style varies depending upon audience, genre, and situation. Readings are informational in nature and compositions are multi-modal. Students interested in enrolling should be prepared for creative freedom in writing assignments and an independent work environment, mirroring the college experience.

UW Composition: Comparative Literature/C LIT 240 – ENG887/ENG888

1 Credit / 1 Year - Grade 12

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, averaging 1 hour per night

This course takes a comparative approach to literature and serves as a workshop in writing comparative papers in English. The emphasis is on cross-cultural comparison of literary works. The course will examine how people value (and de-value) nature through literary works. Students will be asked to analyze how such works represent nature, how they present environmental issues, what values they assert (explicitly or implicitly), and how their forms of representation affect their success in locating specific values within nature. Student should expect a minimum of 1 hour of homework per night.

English Electives

Creative Writing 1 - ENG611

0.5 Credit/1 Semester – Grade 10, 11, 12

CADR

Prerequisite

English 9

Course Fee

None

Homework

Daily, 30 minutes

Through process writing, journal use, and free-writing, students explore their creative voices in poetry, memoir/personal non-fiction, short stories and longer fiction. Using personal experience and observation, students in this class develop skills in manipulating and using language, revision, and peer and self-evaluation. The course is designed to help beginning writers, as well as more experienced writers, in grades 10 through 12, but all students should be motivated to explore, share, and grow in a workshop-type setting.

Mythology - ENG571

.5 Credits/1 Semester - Grades 9, 10, 11, 12

Prerequisite/Threshold

None

Homework

Weekly, 1 hour

Course Description

Mythological stories are not only our first examples of literature but also provide the meta-narratives that support so much of today's literature. In this course, students will study a variety of cultural mythologies including, but not limited to, Egyptian, Greek and Norse. Literary studies will include stories surrounding the gods/goddesses, demi-gods, heroes, monsters, and more. Supplemental texts and

videos may also be provided. The course involves both analytic and creative assignments and examines cultural norms, gender roles, religion, allusions, and modern-day application through discussions, projects, and writing.

Film as Literature - ENG535

.5 Credits/1 Semester - Grades 11, 12

Prerequisite/Threshold

None

Homework

Minimal

Course Description

This one semester course will examine the medium of film as a piece of literature. Through this study, students will view films to examine both literary and technical aspects and how these two aspects are interdependent. Students will be expected to write critical responses to and participate in seminar-based discussions about films viewed in class. Because much of the learning about film will be done in class, good attendance and participation are essential. The films in this course range from silent to contemporary and show a range of ratings from "Not Rated" to "R." Parents/guardians must sign permission slips to view films in class.

Fantasy and Sci-Fi Literature – ENG551

0.5 Credit / 1 Semester – Grade 9, 10, 11, 12

CADR

Homework

30 minutes/Week

Course Description

This course explores sci-fi and fantasy in literature and how they reveal the values and issues of a cultures and time period. Students will be asked to think critically about science fiction and fantasy, focusing not only on cultural impact, but on elements of magic, technology, world-building, and creative writing. Works studied will come from various periods and will be supplemented by films when applicable. The course involves both analytic and creative assignments and examines the purpose and intention of Sci-Fi and Fantasy in regard to future issues we face as society grows and changes.

Fine Arts - Visual

Visual and Performing Arts instruction at Lake Washington High School integrates literacy through the academic disciplines and provides for intensive individual exploration and development. Process and technique are taught with respect for each individual's creativity and ability.

The basic objectives of the LWHS Fine Arts Program include understanding the visual arts through:

- Personal expression and reflection
- Studio production techniques and processes
- Historical inquiry, vocabulary and critical analysis
- Critical interpretation and evaluation of works of art, including social, philosophical, and cultural perspectives

Some colleges require two semesters of sequential art courses; students should check with the specific college/university. These courses fulfill the LWSD Fine Arts graduation requirements.

Visual Arts: Students interested in taking AP Studio Art courses should have advanced art technical and creative skills.

Fine Arts (Visual Art) Sequence:

Art 1 (Introduction to Drawing)	Photography 1	Ceramics/Pottery 1
Art 2 (Introduction to Painting)	Photography 2	Ceramics/Pottery 2
Art 3 (Int. Drawing & Painting)	Photography 3	Ceramics/Pottery 3
Art 4 (Adv. Drawing & Painting)		Ceramics/Pottery 4
AP Studio Art		

Ceramics/Pottery 1 - ART611

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

\$40 (materials and supplies)

Homework

As Needed

In Ceramics/Pottery 1 students will utilize a variety of hand-building techniques for the creation of both functional and sculptural objects. Class projects will guide students through the process of transforming their original creative ideas into dynamic 3-D forms. Emphasis is placed on creative exploration and the development of technical skills, craftsmanship and personal style.

Ceramics/Pottery 2 - ART621

Ceramics/Pottery 3 - ART631

Ceramics/Pottery 4 - ART641

0.5 Credit - 1 Semester - Grade 10, 11, 12

CADR

Prerequisites

Ceram/Pottery 1, Ceramics/Pottery 1

Course Fee

\$40 (materials and supplies)

Homework

As Needed

In Ceramics/Pottery 2 and 3 students will refine and expand on the skills and techniques developed in Ceramics/Pottery 1 and 2. Projects will focus on wheel throwing and advanced hand-building techniques. In Ceramics/Pottery 4 students will collaborate with the instructor to design projects to fit their interests and personal goals. Focus will be on developing a body of work that reflects their unique style and creative voice. To be successful in these upper level courses students must be self-motivated, capable of working independently, and committed to playing an active role in the development of their artwork and creative voice.

Art 1 (Introduction to Drawing) - ART011

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

\$40 (materials and supplies)

Homework

As Needed

This is an introductory studio class for those who can't draw. Students who take this class often realize that art, as with most things, takes practice and training and it doesn't take long to see improvement. The class starts off slowly, increasing in intensity as individuals build creative and technical skills. Assignments focus on teaching students multiple strategies to develop the illusion of form, depth and a convincing sense of proportion, and perspective. Students practice techniques before creating larger, more distinctive works of art. For those who use their class time well, the majority of assignments can be done in class.

Art 2 (Introduction to Painting) - ART021

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

\$40 (materials and supplies)

Homework

As Needed

This is a beginning level studio class for students with little art background and for those who feel they "can't paint." All that students need to be successful in art is determination and daily practice. We start by learning basic techniques and skills, and progress to the creation of individual works of art. The creative process involves taking risks and exploring unique styles and modes of expression. Students are encouraged to try new things and make mistakes along the way.

Art 3 (Drawing & Painting) - ART031

Art 4 (Advanced Drawing & Painting) - ART041

0.5 Credit / 1 Semester - Grade 10, 11, 12

CADR

Prerequisites

Art 1 (Intro to Drawing)- high school level

Art 2 (Intro to Painting)- high school level

Course Fee

\$40/semester (materials and supplies)

Homework

2-4 Hours Per Week

These advanced courses are designed for students already confident in their creative and technical skills, and assumes a working knowledge of the principles and elements of art. The class is comprised of a community of artists who explore their creativity in depth, refine their technical skills, and prepare a fine arts portfolio. Traditional genres are explored including still life, figure studies, landscape, portraiture, and abstraction. Students participate in group exhibitions and a critiques. The majority of assignments are theme-based.

3D Art (Sculpture 1) - ART511

.5 credits / 1 semester - Grades 9, 10, 11, 12

Prerequisites

None

Course Fee

\$40 (materials and supplies)

Homework

As Needed

Explore your creativity in 3 dimensions! This class is a hands-on introduction to 3D visual design and sculpture - perfect for students who like to experiment, get their hands dirty, and create unique, original objects. We will explore the Elements of Art and Principles of Design as we design and build a range of original projects using 3D art techniques, including assembling, modeling, and carving. We will discuss form and function issues in 3D design, through making a variety of decorative and useable forms in a range of art media including paper, wire, cardboard, found objects, wood, fiber, metal, plaster, and papier mâché.

AP Art and Design - CVA341/CVA342

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

Meets Occupational Education and Art graduation requirement

CADR

Prerequisites

Art 1 (Intro to Drawing) - high school level

Art 2 (Intro to Painting) - high school level

Course Fee

\$40 per semester (materials and supplies)

Homework

6+ Hours /Week

This will be a challenging and rewarding class. Students will use their advanced drawing and painting experience to become leaders in our art community. Over the course of the year students will create a

portfolio (15 works of art + sketches) called a Sustained Investigation (SI). The SI is based on a question developed at the start of the term. What students choose to explore will be determined by what they want to learn and communicate as an artist. The question guides the work over the course of the year as students experiment, make revisions, and document their artistic practice.

THE EXAM - Students may choose to submit either a Drawing (and painting) or 2D Art and Design Portfolio. The portfolio will contain 15 slides (60% of exam score) and five physical works of art (40% of the exam score). There is no written exam, though students are required to write about their processes, ideas, and materials for both parts of the portfolio.

AP 3D Art and Design (AP Art 3D) – ART187/ART188

1 credit / 1 year - Grades 10, 11 & 12

Prerequisites

Ceramics/Pottery I – ART621

Ceramics/Pottery II – ART631

Course Fee

\$40 per semester (materials and supplies)

Homework

6+ Hours/Week

This will be a challenging and rewarding class for motivated ceramics students. Students will use their advanced ceramics experience to become leaders in our art community. Over the course of the year students will create a portfolio (nine works of art + sketches) called a Sustained Investigation (SI). The SI is based on a question developed at the start of the term. What they choose to explore will be determined by what they want to learn and communicate as an artist. The question guides the work over the course of the year as students experiment, make revisions, and document their artistic practice.

THE EXAM - Students will submit a Ceramics Portfolio. The portfolio will contain 15 slides (60% of exam score) and five physical works of art (40% of the exam score). There is no written exam, though students are required to write about their processes, ideas, and materials for both parts of the portfolio.

Digital Design - CDA351

0.5 Credit / 1 Semester – Grade 9, 10, 11, 12

Meets Fine Arts and Occupational Education graduation requirement

Prerequisite

None

Course Fee

\$10

Homework

As needed

Creatives in Digital Design will use the Adobe Design Suite to create impactful, meaningful, and quality visual designs and artifacts. This will involve learning the design cycle and applying knowledge of the elements and principles of art and design. Students will understand their role as creative problem solvers and apply that knowledge through the creation of their work. Creatives will work to research, conceive, sketch, and execute designs that communicate a specific message and align to certain parameters. The course will also include study of the history of design, typography, and color theory.

Photography I-A - CVA411

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Meets Occupational Education and Art graduation requirement

CADR

Prerequisite

None

Course Fee

\$20

Homework

Frequent photo shoots completed outside of class

This course provides a comprehensive introduction to digital camera operations, photographic composition, and image editing. Students complete frequent photo shoots to develop technical competence and explore the power of photography for representing, shaping, and interpreting their world. Students learn how to use Adobe Photoshop and Adobe Lightroom to manipulate and enhance their photos. Class projects guide students to experiment in a variety of styles and genres as they start to refine their own personal voice. Students need to supply their own digital camera (point and shoot models are OK). DSLR (Digital Single Lens Reflex) cameras are ideal; some DSLR's will be available for student checkout.

Photography I-B - CDA412

Photography II-A - CVA413

0.5 Credit / 1 Semester - Grade 10, 11, 12

Meets Occupational Education and Art graduation requirement

CADR, CTE Dual Credit - Upon Completion of 2 Semesters (1.0 Credit)

Prerequisites

Photo I-A

Course Fee

\$20

Homework

Frequent Photo Shoots Completed Outside of Class

In these higher level photography courses students refine and diversify the skills and techniques they learned in Digital Photography and collaborate with the instructor to design and complete projects to fit their unique interests and personal goals. Students explore a variety of styles and genres as well as delve deeply into a genre of their choice. Themed shoots are designed to challenge students to respond creatively to a conceptual prompt. Emphasis is placed on refining technical competence, breadth of skill, and developing a polished portfolio of work. Students MUST be highly self-motivated, capable of working independently and committed to playing an active role in the development of their photography. Students are expected to supply their own digital camera (point and shoot models are ok). DSLR (Digital Single Lens Reflex) cameras are ideal; some will be available for student checkout.

Video Production I - CDA201/CDA202

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Fine Arts and Occupational Education graduation requirement

CTE Dual Credit

Prerequisite

None

Course Fee

None

Homework

1 Hour Daily; Out of School Commitment Occasionally Required

Interested in making movies and professional videos? Video Production covers professional video and film production. Students get hands on experience planning, writing, directing, shooting, editing and producing video using digital video cameras and professional editors. This is a hands-on experience as you take part in producing and performing studio television programming including our weekly news program, Kang News. This class prepares you for advanced college courses and/or for work in industry. This course may be repeated for credit.

Video Production II - CDA203/CDA204

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

Meets Fine Arts and Occupational Education graduation requirement

CTE Dual Credit

Prerequisite

Completion of Video Production I

Course Fee

None

Homework

1 Hour Daily; Out of School Commitment Occasionally Required

This course is a continuation of the principles learned and practiced in Introduction to Video Production. Students will add to their skills through advanced techniques in image acquisition with increased emphasis on editing of live-action video footage. Working with contemporary non-linear systems, the emphasis will be placed on the structure and pacing of a finished video project. Student videos will be used for Kang News and film festivals. This course may be repeated for credit.

Yearbook - CDA151/CDA152

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

Meets Occupational Education and Fine Arts graduation requirement

CTE Dual Credit

Prerequisite

Teacher approval

Course Fee

\$35

Homework

2-4 hours dependent upon our production cycle

Be part of our creative team. Yearbook offers the opportunity to be involved in all school activities. Our work includes in-depth practice and application of journalistic methods: interviewing, writing, photography and graphic design. Be prepared, a large portion of our yearbook coverage is from events taking place outside of the school day. You will be required to complete weekly photo assignments and to regularly attend extracurricular activities, club meetings/events, and sports practices/games. As a public representative of our school, you are expected to be professional and considerate when performing your duties. Digital SLR cameras are available for checkout. Your work will pay off - colleges recognize the huge commitment that students make when they see this class on transcripts.

Fine Arts - Music

Chorus 1 (Chorale) - MUS411/MUS412

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

As needed

This fine ensemble is open to all students who would like to develop their musical and singing skills in the choral setting. Students will learn solfege, rhythm, conducting and excellent vocal techniques while working in a positive, safe and collaborative atmosphere. Students will learn a variety of vocal literature and experience the sheer fun of striving for excellence in choral singing. Performances include concerts and district festivals throughout the year. This course is a recommended prior to Lyrica.

Chorus 2 (Lyrica) - MUS421/MUS422

1 Credit / 1 Year - Grade 10, 11, 12 (by audition)

CADR

Recommendation

Two years of Choir in grades 8 and 9 or equivalent experience if student is a transfer student. Students must audition and be selected based on their skills. Auditions are held in spring, and again in fall.

Course Fee

None

Homework

As needed

This auditioned ensemble meets daily. Students will further their musicianship and vocal skill training with advanced studies in solfege, rhythm, conducting, composition and vocal technique. This ensemble performs at all school concerts, local festivals and competitions, as well as a biannual tour. Lyrica maintains a long tradition of choral excellence and membership carries high expectations as well as high rewards, both musically and personally.

Jazz Ensemble - MUS171/MUS172

Before School, 1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

Must be Enrolled in Wind Ensemble or Symphonic Band; Must Pass Audition

Course Fee

None

Homework

Frequent Practice

This band provides the musician with an opportunity to practice, perform, and improvise within the jazz idiom. Previous experience is preferred but not required. Many required performances occur throughout the school year. The class meets zero hour before school.

Orchestra 1 (Concert) - MUS311/MUS312

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

2 years previous experience on a string instrument

Course Fee

None

Homework

Weekly assignments and daily practice

This is the entry level orchestra at LWHS. It is required of all incoming ninth grade string players. Students in grades 10, 11, and 12 may also participate. There will be individualized focus on advancing string and ensemble techniques. Students will play in at least four concerts per year. They will participate in multiple festivals and contests throughout the year.

Orchestra 2 (Chamber) - MUS321/MUS322

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

CADR

Prerequisite

2 years previous experience on a string instrument

Course Fee

None

Homework

Weekly assignments and daily practice

This highly advanced string ensemble explores a great variety of advanced repertoire and plays for all school concerts, local festivals and competitions. Students will advance/expand on string technique, musicality, and musicianship. Emphasis on at home practice and mastering theory is addressed as well.

Symphonic Band - MUS121/MUS122

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

Past Experience on a Wind or Percussion Instrument

Course Fee

None

Homework

Frequent Practice

This ensemble performs at several concerts during the year as well as at football and selected basketball games. This band also participates in at least one local festival a year. Students are expected to maintain and continue to develop their performance skills throughout the year.

Wind Ensemble - MUS161/MUS162

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

CADR

Prerequisite

Audition

Course Fee

None

Homework

Frequent Practice

This ensemble performs at several concerts and festivals throughout the year as well as at football and selected basketball games. Some school time may be missed for touring or festivals. Students are expected to maintain and continue to develop their performance skills throughout the year.

Guitar 1 - MUS211

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

As Needed

Materials Required

Acoustic Guitar

This course focuses on the basic fundamentals of playing the guitar. Students learn chords, finger picking, tuning, and reading music. The class lays the foundation needed to pursue any style of guitar playing desired (Rock, Classical, Folk, Country, or Spanish).

Guitar 2 - MUS221

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

Guitar 1

Course Fee

None

Homework

As Needed

Materials Required

Acoustic Guitar

This is a self-paced class that allows the guitar student to continue to develop existing skills in the stylistic area of his/her choice (Rock, Classical, Folk, Country, or Spanish) as well as explore other facets of guitar playing.

World Drumming - MUS231

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

As Needed

Students enrolled in drumming class will gain experience playing many different varieties of drums including snare drums, tom drums, bass drums, conga drums, bongo drums, and various other types of percussion including tonal mallet percussion. Drum Circles will be created using ethnic and world percussion instruments. Students will learn to read for information and properly decode and interpret various types of rhythmic notation. Percussion ensembles will be created. Meter will be taught in various forms including symmetrical and asymmetrical meters and polyrhythms. Students will research and make presentations on influential and pivotal drummers and percussionists from recent history.

Piano 1 - MUS241

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

As Needed

All levels are accepted into this self-paced class where piano techniques, music theory, interesting repertoire, classical, pop, jazz, accompanying, beginning song writing, and composition are explored. This class is for any LWHS student; no experience is necessary. Students must be self-motivated and ready to have a lot of fun playing the King of Instruments.

Piano 2 - MUS251

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

Piano 1

Course Fee

None

Homework

As Needed

A continuation of Piano 1, Piano 2 students work on more challenging repertoire and more advanced musical skills and theory.

Fine Arts – Theater

Drama 1 - DRA111

0.5 / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

As Needed

Drama 1 covers creative and improvisational work, monologue and scene memorization, with units in voice, diction, and physical stage movement. It also includes an introduction to theater design and technical theater. Students critique performances and evaluate literary worth of materials studied and preformed. Majority of the class activities are group-oriented. Students who are new to theater are encouraged to consider Drama 1.

Drama 2 - DRA121

0.5 / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

Drama 1

Course Fee

None

Homework

As Needed

Students will engage in advanced acting techniques including clowning, studies of Stanislavski, Grotowski, and Meyerhold. They will work with Shakespeare both at an analytical and performance level. They will also learn aspects of theatre history including Ancient Greek theatre, Asian theatre, and different movements throughout history including the renaissance, romanticism, expressionism, realism, and naturalism.

Theater Production Workshop - CVA501/CVA502

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Fine Arts and Occupational Education graduation requirement

CADR

Prerequisite

Theater experience or completion of the *Technical Interest Form* available on the school web site <https://lwhs.lwsd.org/activities/drama>

Course Fee

\$25 (scripts, costume rentals, and performance royalties)

Homework

As Needed; Participation in at Least One After-School Event Each Semester Required

In this production workshop class, students will get an overview of the entire process of putting on a theatrical production at LW. Students will collaborate to produce art in a variety of mediums, including posters for the show, programs, props, ideas for set design, and makeup design and application. Student actors will audition for roles, develop their characters, and perform in the Fall Play and/or Spring Musical. Student leaders will learn how to be stage managers and assistant directors. If you are interested in being a part of LW's fabulous Drama Department, this is your chance! This is a hands-on course that requires some after-school time. The \$25 dollar course fee provides students with scripts, props, costumes, and goes towards paying the royalties for the production. This course can be repeated for credit.

HEALTH/FITNESS courses

Lake Washington High School 2021-22 course catalog

The Lake Washington High School Health/Fitness Department offers courses which support the development of lifelong wellness. Courses are designed to help each student gain a foundation of health knowledge along with an appreciation of fitness development. Activity courses are designed to help each student increase their level of physical fitness and broaden their knowledge in skill concepts promoting a lifetime enjoyment of activities. 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. Students have the flexibility to choose from a variety of courses representing a range of activities. Each class has a curriculum focus along with a standard assessment to evaluate fitness/skill knowledge. All ninth and tenth grade students must complete a semester (0.5 Credit) of Physical Education titled "Physical Education 2 (Healthy Lifestyles)." Other physical education credit requirements may be met by choosing from the physical education course electives. These courses may be repeated for credit except Physical Education 2 and Sports Medicine. All physical education students need to purchase a LWHS P.E. t-shirt for \$7 in the ASB office.

Family Health - CDH511

**0.5 Credit / 1 Semester - Grade 9 (Requirement),
Grades 10, 11, 12 (if needed)**

Meets Health and Occupational Education graduation requirement

CTE Dual Credit

Prerequisite

None

Course Fee

None

Homework

As Needed

This class is required for graduation according to state graduation requirements. All students need to take Health for .5 credit.

Health class integrates a variety of health concepts and decision making behaviors to plan for personal and lifelong health goals. Students develop skills that make them health-literate adults. These include awareness and consequences of risky behaviors, disease prevention, overall wellness, and identification of community health resources. Students are taught how to access accurate information that they can use to promote health for themselves and others. Students demonstrate comprehensive health and wellness knowledge and skills. They use research, goal-setting, and communication skills to protect their health and that of the community.

Physical Education 2 (Healthy Lifestyles) - PED211

0.5 Credit / 1 Semester - Grade 9 (Requirement)

Prerequisite

P.E. T-shirt

Course Fee

None

Homework

As Needed

In this required 9th grade course, students demonstrate key skill and fitness concepts. Each student is given the opportunity to improve skills, become more fit and gain knowledge in a variety of activities. With the concept of wellness as a cornerstone of the program, a primary focus of

the class is to use fitness assessment data to design a personal fitness program. Through both fitness activities and sports, students:

- acquire knowledge and skills necessary to maintain an active life
- acquire knowledge and skills to safely participate in a variety of physical activities
- understand components of fitness, interpret assessment/feedback in order to improve performance
- understand the relationship between body composition and physical well being
- analyze personal fitness information and set goals
- develop and monitor a personal fitness plan

Walking and Yoga – PED526

0.5 Credit / 1 Semester – Grade 9,10,11,12

Prerequisite

PE t-shirt and yoga mat

Homework

As needed

Course Description

Do you like to be active but don't want a class that involves sports and games? Take Walking and Yoga!! This semester class is designed to improve all fitness components: cardiovascular endurance, muscular endurance, muscular strength, flexibility and body composition levels. We'll do this through a variety of cardio activities, yoga, and core-strengthening workouts. Each class period will be organized to meet multiple fitness components and strong emphasis will be placed on mental health through relaxation and meditation for stress relief. Walking and Yoga will involve both on and off campus walks. This course may be repeated for credit.

Weight Training 1 - PED551

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Prerequisite

P.E. T-shirt

Course Fee

None

Homework

As Needed

This course gives students the opportunity to participate and apply principles of strength training through a variety of activities in and out of the weight room. Areas of focus mainly include muscle endurance and muscle strength but also involve work on power, flexibility, cardiorespiratory endurance, speed and agility. Activities include core development, proper lifting techniques and a personalized lifting program. This course may be repeated for credit.

Weight Training 2 – PED561

0.5 Credit / 1 Semester – Grade 10, 11, 12

Prerequisite

Weight Training 1- PE t-shirt

Homework

As needed

Course Description

This course is designed for students interested in an advanced and rigorous physical education course. It is geared for students who are highly motivated to improve sport performance, lifelong strength and

fitness. The units will emphasize overall body strength and physical fitness. Weight training will be the main focus with included endurance activities, cardiovascular fitness, and flexibility incorporated into the classes. Students will be expected to maintain a high level of participation throughout the course and to improve their strength and fitness levels. This course may be repeated for credit.

Lifetime Fitness - PED443

0.5 Credit / 1 semester - Grade 9, 10, 11, 12

Prerequisite

P.E. T-shirt

Course Fee

None

Homework

As Needed

This course provides students with skills and knowledge promoting lifetime fitness. Diverse fitness activities will be covered such as walking, yoga, Pilates, jogging, core work, Zumba, step aerobics and other group fitness activities. This course is for improving personal fitness levels and health through multiple activities. This course may be repeated for credit. Students will utilize body weight exercises that they can continue to use for lifetime fitness. Students will also use resistance equipment typically seen in Health club settings. This course may be repeated for credit.

Recreational Sports - PED431

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Prerequisite

P.E. T-shirt

Course Fee

None

Homework

As Needed

This course presents the opportunity for each student to participate in a variety of units relating to the promotion of lifelong fitness and sport activities. Class emphasis is on fundamental skills, the development of more complex skill combinations, comparisons of the risk level of various activities and evaluations of ways in which physical activities provide for positive social interaction and enjoyment. An ongoing focus is to understand and anticipate how physical activity promotes wellness throughout one's life. Activity examples include ultimate frisbee, golf, archery, pickle ball, tennis, table tennis, badminton, outdoor survival skills and bocce ball. This course may be repeated for credit.

Racquet & Net Sports - PED421

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Prerequisite

P.E. T-shirt

Course Fee

None

Homework

As Needed

This course presents the opportunity for each student to participate in a variety of racquet-net sport units. Class emphasis is on developing both fundamental skills and complex skill combinations and strategies. This class builds a connection between skill-related fitness and the goal of improved performance. Students evaluate ways in which physical activities can provide for positive social interaction and enjoyment. An ongoing focus is to understand and anticipate how physical activity promotes wellness throughout one's life. Unit examples include tennis, pickle ball, badminton, table tennis, volleyball, lacrosse, eclipse ball and fitness activities. This course may be repeated for credit.

Team Sports - PED411

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Prerequisite

P.E. T-shirt

Course Fee

None

Homework

As Needed

This course presents the opportunity for each student to participate in a variety of team sports. Class emphasis is on developing both fundamental skills and complex skill combinations and strategies. This class builds a connection between skill-related fitness and the goal of improved performance. In addition, students evaluate ways in which physical activities can provide for positive social interaction and enjoyment. An ongoing focus is to understand and anticipate how physical activity promotes wellness throughout one's life. Unit examples include soccer, softball, flag football, basketball, volleyball, ultimate frisbee, floor hockey, team handball, Gaelic football and fitness activities. This course may be repeated for credit.

Sports Medicine - PED621

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Homework

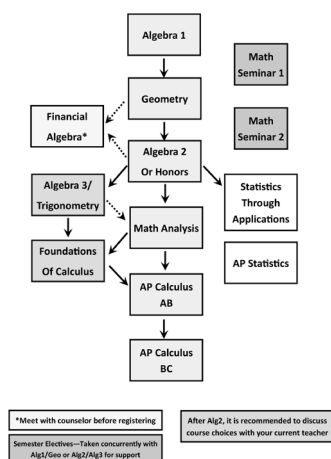
As Needed

This is a fundamental course on athletic training. Students become familiar with prevention, diagnosis, treatment and rehabilitation of athletic injuries. Students apply training principles and analyze safety issues related to health fitness/sport activities. In addition, students analyze coping skills given personal challenges, differences and setbacks in physical performance. Basic taping and wrapping techniques are taught. This class is a good introduction to the athletic training field. This class may not be repeated for credit.

MATHEMATICS courses

Lake Washington High School 2021-22 course catalog

Students are required to successfully complete a minimum of six semesters of mathematics in grades 9-12. Students in the class of 2019 and beyond must pass the Math SBA and are also required to pass one credit of math after Geometry. Students are encouraged to maintain and improve their mathematical skills by continuing to take mathematics in their senior year in preparation for jobs or future training/education. Students planning to attend a four-year college or university need to successfully complete their mathematical study through Algebra 2 with some knowledge of Trigonometry. Students taking the SAT are tested on material covered through Algebra 2. Students must meet all prerequisite requirements in a math course before continuing in the math course sequence.



Math Seminar 1 - MAT 101

0.5 Credit / 1 semester – Grades 9, 10, 11, 12

Recommendation

Concurrent enrollment in Algebra 1 or Geometry

Materials Required

Scientific Calculator

Homework

None

Course Description

Math Seminar is designed to be a second math class for students who need additional support and time to be successful with mathematics. Teachers enrich student understanding through skill building, pre-teaching, and re-teaching. The course includes important skill-building topics such as integers, order of operations, fractions, decimals, prealgebra, solving simple linear equations and basic geometry skills. Learning will take place in small groups, on computer software, and through guided individual work. This course complements the Algebra 1 and Geometry curricula. This must be taken concurrently with Algebra 1/Geometry and does not meet the high school math graduation requirement. This course can be taken for elective credit and can be retaken for credit.

Algebra 1 - MAT241/MAT242

1 credit / 1 year – Grade 9

CADR

Prerequisite

None

Course Fee

None

Materials Required

Scientific Calculator

Homework

Daily, 30 minutes

District Adopted Curriculum: Big Ideas Algebra 1

Algebra 1 focuses on five areas: (1) writing, interpreting, and translating between forms of linear equations and inequalities, and exponential functions, and using them to solve problems; (2) compare and contrast linear, absolute value, and exponential functions, use function notation, and interpret arithmetic and sequences (3) use regression techniques to describe linear relationships quantitatively and make judgments about the appropriateness of linear models; (4) work with rational exponents, create quadratic and exponential expressions, and solve equations, inequalities and systems of equations involving quadratic expressions; and (5) compare quadratic, linear, and exponential functions in modeling and identify the zeros of a quadratic.

Geometry - MAT321/MAT322

1 Credit / 1 Year - Grade 9, 10, 11

CADR

Recommendation

Algebra 1 credit

Course Fee

None

Materials Required

Scientific Calculator, Compass, Protractor, Ruler

Homework

Daily, 30 Minutes

District Adopted Curriculum: Big Ideas Geometry

In Geometry, students explore complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The course focuses on six critical areas: (1) students develop notions about what it means for two objects to be congruent 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 and apply similarity to right triangle trigonometry, the Pythagorean Theorem, and use the Laws of Sines and Cosines to find missing measures; (3) work with the shapes of cross-sections and the result of rotating a two-dimensional object about a line; (4) 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 coor-

dinate geometry to find equations of circles and determine intersections between lines and circles or parabolas, or between two circles; and (6) make use of geometric probability models whenever possible. The Mathematical Practice Standards apply throughout the course allow students to experience math as a coherent, useful, and logical subject that makes use of their ability to make sense of problems.

Math Seminar 2 - MAT103

0.5 Credit / 1 semester – Grades 9, 10, 11, 12

Recommendation

Concurrent enrollment in Algebra 2 or Algebra 3/Trig

Materials Required

Graphing Calculator

Homework

None

Course Description

Math Seminar is designed to be a class for students who need additional support and time to be successful with mathematics. Teachers enrich student understanding through skill building, pre-teaching, and re-teaching. The course includes important skill-building topics such as simplifying algebraic expressions, solving linear, quadratic, polynomial, rational, exponential, and logarithmic equations, and graphing. Learning will take place in small groups, on computer software, and through guided individual work. This course complements the Algebra 2 and Algebra 3 curricula. This must be taken concurrently with Algebra 2/Algebra 3 w/Trigonometry and does not meet the high school math graduation requirement. This course can be taken for elective credit and can be retaken for credit.

Algebra 2 - MAT261/MAT262

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

Algebra 1 credit required, Geometry credit recommended

Course Fee

None

Materials Required

Graphing Calculator TI-84+

Homework

Daily, 30-45 Minutes

District-adopted curriculum: Big Ideas Algebra 2

Students work with functions to include polynomial, rational, and radical functions. The course focuses on three critical areas: (1) multiply and divide polynomials, identify zeros of polynomials, including complex zeros of quadratic polynomials (including the fundamental theorem of algebra); (2) solve exponential equations with logarithms, and graphs, and adjust the parameters of a variety of functions to model a situation; and (4) identify different ways of collecting data and the role that careful design plays in the conclusions that can be drawn. The Mathematical Practice Standards apply throughout the course and allow students to experience math as a coherent, useful, and logical subject that makes use of their ability to make sense of problems.

Algebra 2 Honors – MAT271/MAT272

1 Credit / 1 Year – Grade 9, 10, 11

CADR

Prerequisite

Algebra 1 and Geometry credit required

Course Fee

None

Materials Required

Graphing Calculator or TI84+

Homework

Daily, 30-45 Minutes

Algebra 2 Honors is a course designed for students who wish to deepen their mathematical knowledge and work at an accelerated pace. Students extend their work with functions to include:

1. Polynomial functions (operations and solutions including complex zeros)
2. Rational functions (operations, zeros, and vertical asymptotes)
3. Exponential functions (solving and transformations of the graph)
4. Logarithmic functions (properties and solving)

The course also includes additional topics in probability and statistics, parametrics, systems with three variables, vectors, and sequences and series.

Financial Algebra – CDM201/CDM202

1 Credit / 1 Year – Grade 11, 12

Meets Occupational Education and Math graduation requirement

CADR (senior year), CTE Dual Credit

Prerequisite

Algebra 1 and Geometry

Course Fee

None

Materials Required

Graphing Calculator

Homework

Daily, 30 minutes

This class qualifies for Occupational Education or Math credit. Math credit is available only to 11th and 12th graders if the student received approval to use the class as a substitute for Algebra 2 according to their High School and Beyond Plan.

Financial Algebra provides an opportunity to apply mathematics to the management of money in everyday life. Students will learn topics such as linear and quadratics systems, exponential, and piecewise functions, and regressions in the context of personal finance. Investigations will take place under the financial umbrellas of investing, banking, credit, income taxes, insurance, and household budgeting. CTE (Career and Technical Education) employability and leadership standards are integrated throughout the curriculum.

Algebra 3 with Trigonometry (Algebra 3/Trig) - MAT283/MAT284

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

CADR

Prerequisite

Algebra 2 credit

Course Fee

None

Materials Required

Graphing Calculator TI-84+

Homework

Daily, 30-45 Minutes

Algebra 3 with Trigonometry focuses on the minimum topics and related skills necessary to be college-ready including trigonometry, linear, quadratic, polynomial, rational, absolute value, exponential, and logarithmic functions, and problem solving through real world modeling. To improve the student's mathematical preparation for college, an intensive review of skills from Algebra, Geometry, and Algebra 2 will be blended in throughout the course. Good study habits are required. This course is not appropriate for seniors who earned at least a "B" in Algebra 2, and does not meet the prerequisite for Calculus.

Math Analysis - MAT511/MAT512

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

CADR

Prerequisite

Algebra 2 or Algebra 3 with Trigonometry credit

Course Fee

None

Materials Required

Graphing Calculator TI-84+

Homework

Daily, 50-60 Minutes

District Adopted Curriculum: Precalculus with Limits

This course prepares the student for further rigorous study in advanced mathematics. This class satisfies college entrance requirements for Math Analysis. One semester is the study of trigonometry; trigonometric functions, conics, vectors, and related topics. The other semester is focused on both algebra and functions with special attention to polynomial, rational, exponential and logarithmic functions, composed and inverse functions, techniques of graphing, and initial work with limits. A graphing calculator is required for this class. This course is not recommended for students coming directly from Algebra 2 Safety Net.

Statistics through Applications – MAT503/MAT504

1 Credit / (1 Year) – Grade 10, 11, 12

CADR

Prerequisite

Algebra 2 credit

Materials Required

Graphing Calculator or TI-84+

Homework

Daily, 30-45 minutes

Course Description

This course introduces statistical thinking and its relevance in the fields of medicine, social studies, and business. Students will use group discussions and unit projects that emphasize statistical thinking and conceptual understanding. Statistical software and graphing calculators will be used for developing concepts and analyzing data. Students will gather and display data, represent data with numerical summaries, and describe its patterns and trends. They will use sampling methods, observational studies, and experiments to gather data and identify biases. Computations for situations involving probabilities, confidence intervals and hypothesis testing will be conducted and results interpreted. No college credit will be offered for this class. Students wishing to earn college credit should select AP Statistics instead.

Foundations of Calculus - MAT541/MAT542

1 Credit / 1 Year – Grade 11, 12

CADR

Prerequisite

Math Analysis credit or Alg3/Trig credit

Course Fee

None

Materials Required

Graphing Calculator TI-84+

Homework

Daily, 45 minutes

Foundations of Calculus is designed for students who wish to continue studying higher-level mathematics in college. Topics covered include rationals, trigonometry and calculus topics such as limits, derivatives, curve sketching, related rates and an introduction to integration. The course will prepare students for math in college and fields such as business, physical sciences, and life sciences. Juniors intending to take AP Calculus BC their senior year should take AP Calculus AB instead of Foundations of Calculus.

MATHEMATICS courses

Lake Washington High School 2021-22 course catalog

AP Statistics - CVM301/CVM302

1 Credit / 1 Year - Grade 11, 12

Meets Occupational Education and Math graduation requirement

CADR

Prerequisite

Credit in Algebra 3 with Trigonometry or Math Analysis or Statistics through Applications

Course Fee

None

Materials Required

Graphing Calculator TI-84+

Homework

Daily, 1 Hour

District Adopted Curriculum: The Practice of Statistics

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 hypotheses. Some major assignments include designing and implementing sample surveys, observational studies, and experiments, as well as critical statistical analysis of real-life data. By the end of this course, students will have a working knowledge of the ideas and tools of practical statistics and be able to make informed decisions based on data.

AP Calculus AB - MAT631/MAT632

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

Math Analysis credit

Course Fee

None

Materials Required

Graphing Calculator TI-84+

Homework

Daily, 1 Hour

District Curriculum: Calculus of a Single Variable AP Edition 11e

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. This course prepares students for the successful completion of the AP Calculus AB exam. Out of class exam preparation is expected. This is a year-long course; dropping at semester is highly discouraged. This is a rigorous college course; see AP description on page A3. College

in the High School (CHS) credit may be earned. Bellevue College (BC) registration fees and satisfaction of the BC placement test will apply. Students will earn a separate CHS grade for their college transcript.

AP Calculus BC - MAT641/MAT642

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

AP Calculus AB credit

Course Fee

None

Materials Required

Graphing Calculator TI-84+

Homework

Daily, 1 Hour

District Adopted Curriculum: Calculus AP Edition 11e

AP Calculus BC with Advanced Math Topics continues the study of integral calculus from a more symbolic approach. Topics include advanced integration techniques, application of integrals, differential equations, derivatives and integrals involving conic, parametric, and polar equations, the convergence of infinite series including Taylor series, vector-valued functions, and some multi-variable calculus. This course prepares students for successful completion of the AP Calculus BC exam. Out of class exam preparation is expected. This is a year-long course; dropping at semester is highly discouraged. This is a rigorous college course; see AP description on page A3. College in the High School (CHS) credit may be earned. Bellevue College (BC) registration fees and satisfaction of the BC placement test will apply. Students will earn a separate CHS grade for their college transcript.

AP Computer Science A - CDM911/CDM912

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

Meets Occupational Education and Science or Math graduation requirement

CADR (senior year), CTE Dual Credit

Prerequisites

Algebra 2

Course Fee

None

Homework

Daily 30-60 minutes

The Advanced Placement Program offers an introductory course and exam in computer science. The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction. Students will be able to design and implement solutions to problems by writing, running, and debugging computer programs using the programming language Java.

AP Computer Science Principles - CDM913/CDM914

1 credit/1 year – Grade 9, 10, 11, 12

Meets Occupational Education and Science or Math graduation requirement

CADR (senior year), CTE Dual Credit

Prerequisite

Geometry

Course Fee

None

Homework

Daily 15-30 minutes.

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. Students develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course fosters student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them.

They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. The AP Computer Science Principles course is complementary to AP Computer Science A. Students can take these courses in any order or at the same time, as schedules permit. AP Computer Science Principles course does not have a designated programming language.

Introduction to Engineering Design - CDM801/CDM802

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and Math graduation requirement

CTE Dual Credit

Prerequisite

Algebra 1 concurrent or completed

Course Fee

\$20

Homework

As Needed

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.

All science courses may be used to fulfill the science requirements for graduation. All courses are laboratory sciences in that students interact primarily with data drawn from the material world using the tools, data collection techniques, models and theories of science.

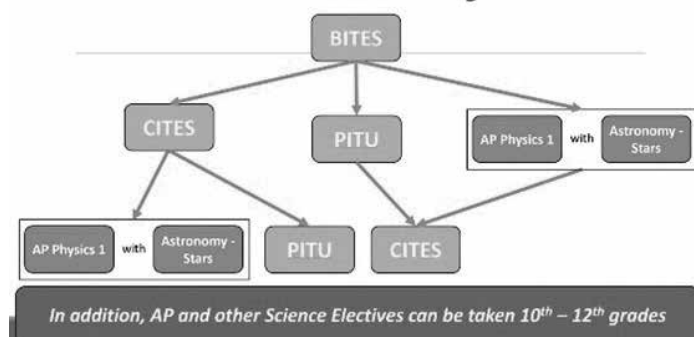
It is recommended that students complete their science education in this order: Biology in the Earth System, Chemistry in the Earth System, and Physics in the Universe. It is strongly recommended that students consult with their current science teacher to ensure appropriate placement. Colleges and universities vary in their requirements for entrance. Students are encouraged to read about specific college and university requirements in bulletins and course catalogs available in the LWHS College and Career Center.

The following table gives some typical course sequences for the freshman through senior year. Students, parents, science teachers and counselors should all be involved in the discussion of optimum science course choices and sequence for each student.

Science Opportunities

Freshman Year	Sophomore Year	Junior & Senior Year
<ul style="list-style-type: none"> Biology in the Earth System Honors Biology in the Earth System* 	<ul style="list-style-type: none"> Chemistry in the Earth System Honors Chemistry in the Earth System* Physics in the Universe* AP Physics 1 concurrent with Astronomy 101 - Stars Science Elective 	<ul style="list-style-type: none"> Chemistry in the Earth System Honors Chemistry in the Earth System* Physics in the Universe* AP Chemistry AP Physics 1 concurrent with Astronomy 101 - Stars AP Physics 2 AP Biology Science Elective
<p>*Honors is optional for Biology in the Earth System, Chemistry in the Earth System and Physics in the Universe. See course descriptions for more information. **Personal science pathways will vary based on individual interest and ability. **Electives can be taken any semester in addition to the core science class.</p>		

Science Pathways



Biology in the Earth System - SCI231/SCI232

Honors Biology in the Earth System

1 Credit / 1 Year - Grade 9

CADR

Course Fee

None

Homework

Daily, 30 Minutes

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.

Honors Biology in the Earth System is integrated into the Biology in the Earth System class, there is not a separate registration needed for honors. Once in the class, student and teacher will agree which level of BITES class student is taking. An accelerated pathway is available to students beginning in the 9th grade via Biology of the Earth Systems Honors. Students will have the opportunity to earn the Honors distinction by choosing to complete the requisite number of honors-level assignments over the course of the semester. These students will be given opportunities for enrichment, extension, and personal growth. Those students who meet all the expectations of Biology of the Earth Systems Honors will be awarded an H designation on their transcript.

Chemistry in the Earth System - SCI331/SCI332

Honors Chemistry in the Earth System

1 Credit/ 1 Year – Grade 10, 11, 12

Course Fee

None

Homework

Daily, 30 minutes

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.

Honors Chemistry in the Earth System is integrated into the Chemistry in the Earth System class, there is not a separate registration needed for honors. Once in the class, student and teacher will agree which level of CITES class student is taking. An accelerated pathway is available to students in this course via Chemistry in the Earth System Honors. Students will have the opportunity to earn the honors distinction by choosing to complete the requisite number of honors-

level assignments over the course of the semester. These students will be given opportunities for enrichment, extension, and personal growth. Those students who meet all the expectations of Chemistry in the Earth Systems Honors will be awarded an H designation on their transcript.

Physics in the Universe - SCI431/SCI432

Honors Physics in the Universe

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

CADR

Course Fee

None

Homework

Daily, 30 Minutes

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 expanding their problem-solving abilities.

Honors Physics in the Universe is integrated into the Physics in the Universe class, there is not a separate registration needed for honors. Once in the class, student and teacher will agree which level of PITU class student is taking. An accelerated pathway is available to students in this course via Physics in the Universe Honors. Students will have the opportunity to earn the honors distinction by choosing to complete the requisite number of honors-level assignments over the course of the semester. These students will be given opportunities for enrichment, extension and personal growth. Those students who meet all the expectations of PITU Honors will be awarded an H designation on their transcript. An alternate accelerated pathway may be achieved by taking AP Physics 1 in place of PITU.

AP Biology - SCI281/SCI282

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

Students should have successfully completed high school Biology, strongly recommend Chemistry prior or concurrent.

Course Fee

None

Homework

Daily, 45-60 Minutes

This is a fast-paced, college-level Biology course for students interested in acquiring a greater background in biological sciences. Extensive laboratory experience is provided. Students study topics such as cell biology, evolution, genetics, and biotechnology. Students are encouraged to take the AP exam in the spring. See AP description on page A3.

AP Chemistry - SCI381/SCI382

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

Students should have successfully completed a general high school Chemistry course

Course Fee

None

Homework

Daily, 45-60 Minutes

AP Chemistry is a fast-paced, college-level second year Chemistry course for students interested in acquiring a greater background in chemistry. The course reviews basic concepts and processes, and provides greater depth and more extensive laboratory experience in specific topic areas. In addition, students are introduced to organic and biochemistry and use of sophisticated instruments. Students are encouraged to take the AP exam in the spring. See AP description on page A3.

AP Physics 1 - SCI483/SCI484

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

CADR

Prerequisite

Strongly recommend Math Analysis prior or concurrent

Course Fee

None

Homework

Daily, 45-60 Minutes

This accelerated course is a first-year Physics course that is the equivalent of a first semester college course in algebra-based Physics. It meets requirements for most health/biological science majors and lays a solid foundation for more advanced physics and engineering majors. This course develops laboratory and reasoning skills to study Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound, with an introduction to electric circuits. Students will focus on developing deep conceptual, symbolic, and numeric understandings of content and applying their knowledge through inquiry investigations. The curriculum will prepare students for the College Board-administered Advanced Placement (AP) examination. Depending on the results on this examination, students may be able to apply for advanced placement in college, and/ or students may qualify for college credit. Astronomy-Stars will cover the space standards students will miss by taking AP Physics 1 instead of Physics in the Universe.

AP Physics 2 – SCI487/SCI488

1 Credit / 1 Year – Grade 11, 12

CADR

Prerequisite

Successful completion of Physics or AP Physics 1, strongly recommend Math Analysis prior or concurrent

Course Fee

None

Homework

Daily, 45-60 minutes

This advanced course is a second-year Physics course that is the equivalent of a second semester college course in algebra-based Physics. It meets requirements for most health/biological science majors and lays a solid foundation for more advanced physics and engineering majors. This course uses the laboratory and reasoning skills developed in first year Physics to study fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Students will focus on developing deep conceptual, symbolic, and numeric understandings of content and applying their knowledge through inquiry investigations. The curriculum will prepare students for the College Board-administered Advanced Placement (AP) examination. Depending on the results on this examination, students may be able to apply for advanced placement in college, and/or students may qualify for college credit. Students are encouraged to take the AP exam in the spring. See AP description on page A3.

AP Environmental Science - CVC611/CVC612

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

Meets Occupational Education and Science graduation requirement

CADR, CTE Dual Credit

Prerequisite

Students should have successfully completed high school courses in Biology and Chemistry, or equivalent classes prior or concurrent.

Course Fee

None

Homework

Daily 30 minutes

Students will explore environmental issues in a lab environment. Students study a broad range of topics from ecosystems to pollution and climate change. This class will provide students with many hands-on opportunities to recognize impacts and solutions to problems facing the environment today. Students are encouraged to take the AP Exam in the spring. See AP Description on page A3.

Marine Science - Climate Change - SCI611

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

Daily

Students will learn about climate change and how it is impacting marine ecosystems. This semester course will focus on the following ecosystems: Polar Oceans, Coral Reefs, and our own backyard—the Salish Sea. Students will learn the key life/light zones, sea floor features, plankton, plants, and animals for each ecosystem and how global climate change will affect all of those components. Lab work will include simulations, use of microscopes, and at least 1 dissection. This class may also include a field trip to the Seattle Aquarium which may require students to pay a \$10 admission fee.

Marine Science - Human Impact - SCI615

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

Daily

This semester long science course will cover oceanography, intertidal zones, kelp forests, and the deep sea. Each unit will focus on living and non-living components that make up each of those marine ecosystems and how humans are impacting them. Students will learn about waves, tides, currents, challenges and adaptations to surviving in the intertidal zone, food webs within kelp forests, and how organisms survive living in the deep. Students will also be able to explore and research marine organisms and issues they are interested in via the coursework. Lab work will include simulations and at least one dissection. This class may also include a field trip to the Seattle Aquarium which may require students to pay a \$10 admission fee.

Zoology – SCI621

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

Biology preferred or concurrent

Course Fee

None

Homework

Daily, 45-60 minutes

This course is an opportunity for students to gain a lab science credit in a different arena of science. It will be general zoology: vertebrate and invertebrate. We will do a series of observational labs, studying slides, diagraming, and simple dissection. This course is meant to explore structure, function, anatomy, and evolution of animal species. Students will learn about ranges of animals, to enrich their understanding of the interdependence of life and the impact of humans on the environment. It will also allow students to enrich their understanding of concepts from general biology.

Anatomy and Physiology - Movement & Transport – SCI651

0.5 credit / 1 Semester – Grade 9, 10, 11, 12

CADR

Prerequisite

Biology Preferred

Homework

Daily

Course Description

In this course you will discover the systems of the human body and make connections to other organisms. Systems focus will be on Support & Movement, Fluids & Transport, and Continuity of Life. Throughout the course, we will also investigate various disorders and diseases that affect different human body system.

Anatomy and Physiology - Nerves & Nutrients - SCI659

0.5 credit / 1 Semester – Grade 9, 10, 11, 12

CADR

Prerequisite

Biology Preferred

Homework

Daily

Course Description

In this course you will discover the systems of the human body and make connections to other organisms. Systems focus will be on Control & Regulation and Environmental Exchange. Throughout the course, we will also investigate various disorders and diseases that affect different human body system.

Weather and Climate - SCI555

0.5 credit / 1 Semester – Grade 9, 10, 11, 12

CADR

Prerequisite

None

Fee

None

Homework

Daily

Course Description

This semester-long course explores the natural processes and phenomena that take place in the Earth's atmosphere and how everyday changes in the atmosphere affect people and human societies. This course explores important topics in today's world, both locally and globally, such as how climate has been affected by humans, global weather patterns, seasons, and some of the unique features that contribute to weather in the Pacific Northwest. Students will make observations, collect and analyze data, and synthesize information to understand weather, climate, and the global system.

UW in the High School affiliated Science courses

Students are able to take UW in the High School affiliated science courses with the option of paying for college credit. These credits are the same as credits earned by students taking the same UW course on the UW campus, will count towards your UW GPA if you choose to attend UW, and transfer to other colleges just like any UW credits. At UW and most colleges, students must earn a 2.0 (C) or higher for the credit to count towards college graduation requirements. Additional information is available on UW's website: www.uwhs.uw.edu.

Astronomy 150 – Planets & Solar System - SCI703

0.5 Credit / 1 Semester - Grade 10, 11, 12

CADR

Prerequisite

Completed one year of high school science preferred. NOT required to take Astr 101-Stars first (classes can be taken in any order)

Course Fee

\$25

Homework

Daily

This course serves as a survey of the planets of the solar system, with an emphasis on recent space exploration of the planets and on the comparative evolution of the Earth and the other planets. Students will learn about the different types of objects that make up our solar system, including planets, moons, comets, and asteroids. Students will examine the formation of the solar system as well as some astronomical history to provide a context for what we know today. Labs will mostly be models and simulations. The course fee covers a field trip to a local planetarium.

Astronomy 101 – Stars - SCI704

0.5 Credit / 1 Semester - Grade 10, 11, 12

CADR

Prerequisite

Completed one year of high school science preferred. NOT required to take Astr 150-Planets & Solar System first (classes can be taken in any order)

Course Fee

None

Homework

Daily

This course is an introduction to the universe, with an emphasis on conceptual rather than mathematical comprehension. Topics include the modern theories of the universe, evolution of galaxies, quasars, stars, black holes, planets and solar systems. Students will examine the electromagnetic spectrum, the Big Bang, the lives of stars, and the possibilities of other life in the universe. The content of the course is based on the book *Death from the Skies!*, authored by astronomer Phil Plait and will touch on ideas such as supernovae and black holes. Labs will mostly be models and simulations. One overnight field trip is planned for this course which requires additional fees. By taking this course students taking AP Physics 1 instead of Physics in the Universe can access the space standards they would be missing.

Culinary Arts I - CVC731

0.5 Credit / 1 Semester - Grade 10, 11, 12

Meets Occupational Education and Science graduation requirement

Prerequisite

None

Course Fee

\$30 + Food Handler Permit (\$10 Prepaid Credit Card)

Homework

As Needed

Culinary Arts 1 is an in-depth course for students wishing to explore careers in a variety of food service industry fields. Students enrolled in the class learn techniques in a variety of cooking methods. Students practice safety and sanitation procedures, cooking fundamentals, and catering. Students learn to accept leadership responsibility and be part of a team while demonstrating the skills and attitudes that contribute to a productive and safe working environment.

Culinary Arts II - CDC741

0.5 Credit / 1 Semester - Grade 10, 11, 12

Meets Occupational Education and Science graduation requirement

CTE Dual Credit - Must Complete 2 Semesters (1.0) Credit

Prerequisite

Culinary Arts 1

Course Fee

\$30 + Food Handler Permit (\$10 Prepaid Credit Card)

Homework

As Needed

In this advanced class, students learn the resources, skills and practices required for careers in Catering and Hospitality and food related services. It includes instruction in all aspects of operating a commercial kitchen: organization, sanitation and quality control, basic food preparation and cooking skills, kitchen and kitchen equipment maintenance, and quantity food measurement and monitoring. Students budget, plan, and prepare meals and service for special functions, including banquet management from set-up to break-down. Some catering events after school are a requirement.

Culinary Arts & Catering - CVC751/CVC752

1 Credit / 1 Year - Grade 11, 12

Meets Occupational Education and Science graduation requirement

CTE Dual Credit

Prerequisite

Culinary Arts 1 and 2 and Teacher Permission

Course Fee

Food Handler Permit Paid at Exam

Homework

As Needed

This is an advanced Culinary Arts & Catering class in which students will learn the resources, skills and practices required for careers in catering. Class content includes instruction in all aspects of operating a catering business such as planning meals, budgeting, ordering, competitions, community involvement, safety refinement, marketing, and banquet management from set-up to breakdown. Food handler permit is required and may be obtained online at: www.foodworkercard.wa.gov.

Principles of Engineering - CDC803/CDC804

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

Meets Occupational Education and Science graduation requirement

Prerequisite

Introduction to Engineering Design

Course Fee

\$20

Homework

As Needed

This course expands the STEM concepts and knowledge base learned in Introduction to Engineering Design. The class covers more in-depth and demanding curriculum pathway that can lead students to engineering, computer programming, industrial technology or other related courses and careers. This course is tied to national math and science standards.

Computer Integrated Manufacturing - CVC805/CVC806

1 Credit/1 Year - Grades 9, 10, 11, 12

Course Fee

\$60

Course Description

Computer Integrated Manufacturing is one of the specialization courses in the Engineering program. The course deepens the skills and knowledge of a student within the context of efficiently creating the products all around us. Students build upon their Computer Aided Design (CAD) experience through the use of Computer Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product designed by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems.

Throughout the course students learn about manufacturing processes and systems. This course culminates with a capstone project where students design, build, program, and present a manufacturing system model capable of creating a product.

Robotics II - CVC863/CVC864

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and Science graduation requirement

Course Fee

\$60

Homework

As Needed

This course is focused on the physical structure and design of mechanical robots. Emphasis will be placed on the safety of using tools, safety of robotic construction, and safety of robotic activity. Students learn to use CAD, computer-controlled machine tools, stress analysis of mechanical systems and engineering design processes used in creating robotic actuators. This is a lab-based class using applied project learning concepts. Course can be repeated for credit.

Social studies broadens the knowledge of a citizen, develops cultural literacy, and encourages more active understanding of, and participation in, our society and government. Social studies courses emphasize the continued development of disciplined reading, analysis of primary and secondary sources, writing strategies and growth in discussion and oral presentation skills.

Required Courses (for a total of 3.0 credits)

- Grade 9 – World History I (one semester)
- Grade 10 – Modern World History or AP Modern World History (one year)
- Grade 11 – US History or AP US History (one year)
- Grade 12 – Civics or AP US Government & Politics (one semester)

World History 1 - SOC121

1 Semester / 0.5 credit – Grade 9

CADR

Estimated Daily Homework

Averages ½ an hour a week

This course is the introductory semester into the 3.00 credits in Social Studies required for graduation in the state of Washington. The purpose of this course is to gain a better understanding of the ancient world that preceded the complex and diverse world we live in today. Students will examine a broader view of history from the origins of human civilization until 1450 using class discussion, simulations, and activities. Key topics will include the shift from the Paleolithic to the Neolithic era, the rise of early river valley civilizations, the development of belief systems, cultural interactions and conflict, and the development, impact and fall of classical civilizations, and the increased inter-regional activity of the post-classical era. Emphasis will be placed on the diversity of cultures and systems around the world. 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. Although this is not an AP or honors course, many AP-type activities will be done in order to give the students an understanding of what to expect if they choose to take AP World History as a sophomore.

Modern World History - SOC223/SOC224

1 Credit / 1 Year - Grade 10

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, 30 Minutes

This course covers the history of the whole world circa 1450 C.E. to present day. It focuses on the rise, development, political and economic systems, culture, and fall of civilizations from all regions of the world. This course will not only cover the cultures, but also the interactions, significant events and influences these civilizations, spanning from the Mediterranean across the Middle East, into India and Asia, and across the ocean to the Americas, had on our world today. Students will have the opportunity to complete a state required CBA in this course. One state college/university admissions requirement met upon successful course completion.

AP World History: Modern - SOC281/SOC282

1 Credit / 1 Year - Grade 10

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, 60 Minutes

This course will prepare students for the AP World History exam. College credit is available at many colleges for those who take and pass the AP exam. The AP World History course content is structured around the investigation of five course themes and key concepts in four different chronological periods, from approximately 1200 C.E. to the present. The AP World History course develops students' capacity and ability to think and reason in a deeper, more systematic way, better preparing them for subsequent college courses. Students will have the opportunity to complete a state required CBA in this course. One state college/university admissions requirement met upon successful course completion. See AP description on page A3.

US History - SOC321/SOC322

1 Credit / 1 Year - Grade 11

CADR

Prerequisite

None

Course Fee

None

Homework

Averages 1-2 hours per week

This course covers major topics in the history of the United States predominantly from 1900 to the present day. It focuses on the development of the United States both domestically and internationally. Students will explore the political, economic, cultural and social heritage of the U.S. Students will gain an appreciation for the diversity of the American experience and how it has shaped the nation's democratic way of life. Throughout the course, students will be encouraged to compare and contrast previous trends and issues in the nation's history with current issues facing the U.S. today. Students will have the opportunity to complete a state required CBA in this course. One state college/university admissions requirement met upon successful course completion.

AP United States History - SOC381/SOC382

1 Credit / 1 Year - Grade 11

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, 60 minutes

This course will prepare students for the AP U.S. History exam, if they choose to take it, and for college work. College credit is available at many colleges for those who take and pass the AP exam. The scope of this class is extensive and covers discovery and exploration through current American policies and events. However, the APUSH exam being implemented in May 2015 places more of an emphasis on critical thinking and analysis, rather than rote memorization of facts. Therefore, depth of information will be the focus, as opposed to breadth of information, as in years' past. Instruction strategies will include skill development in: note-taking, test preparation, essay writing, research skills, and analysis of different interpretations of historical, political and social events and themes. Independent reading, study and following current events is expected. Students will have the opportunity to complete a state required CBA in this course. See AP description on page A3.

Civics - SOC521

0.5 Credit / 1 Semester - Grade 12

CADR

Prerequisite

None

Course Fee

None

Homework

Intermittently, 30 minutes

This course focuses on the rights and responsibilities of U.S. citizenship, the processes of the government, the criminal justice system, and current events in the media. Particular attention is paid to the American political tradition and culture that significantly shaped the Constitution. Students will examine the Constitution, focusing on the structure of the government, as well as the role of the individual within a democratic society. Students will gain an appreciation and learn practical applications of their civil rights and liberties. Additionally, students will examine the role of government at the federal, state, and local levels. The course also examines the role and responsibilities of the United States and its citizens in the world. Accordingly, a fundamental goal of the course is to develop students' critical thinking and problem solving skills, helping them become well-informed citizens. Students will have the opportunity to complete a state-required CBA in this course.

AP United States Government and Politics - SOC481/SOC482

1 Credit / 1 Year - Grade 12

CADR

Prerequisite

None

Course Fee

None

Homework

3-6 hours per week

This course will prepare students for the AP United States Government and Politics exam. Content and conduct of this course is preparation for college work. College credit is available at many colleges for those who take and pass the AP exam. Topics covered will include the Constitutional basis of American government, political beliefs and behaviors, political parties and interest groups, institutions and policies of national government, preparation for various types of tests; essay writing; research skills and analysis of differing interpretations of historical, political, social events and themes. Students will need to do independent reading and follow current events. Students will have the opportunity to complete a state required CBA in this course. See AP description on page A3.

World Religions - SOC731

0.5 Credit/1 Semester - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

1 hour per week

This course provides students the opportunity to study the beliefs of several of the world's major religions. It is a lecture and discussion-based class in which students will regularly take notes and participate in class discussions. The class begins with a brief overview of Primal Belief Systems and Ancient Mythologies. Students then spend the rest of the semester learning about Hinduism, Buddhism, Jainism, Taoism, Zoroastrianism, Judaism, Christianity, Islam, and Bahai. The semester ends with students choosing a religion/philosophy to highlight in a final presentation.

SOCIAL STUDIES courses

Lake Washington High School
2021-22 course catalog

Economics - CVS621

0.5 Credit / 1 Semester - Grade 11, 12

Meets Occupational Education and Social Studies graduation requirement

CADR

Prerequisite

None

Course Fee

None

Homework

Intermittently

This elective course is designed to help students understand the economy at the personal, business, national, and global levels. We will cover the foundations of economic thinking, how markets work, government finances and influence on the economy, and how economists measure and manage the economy, with a final research project into a controversial economic issue. Major topics include personal financial literacy, how businesses and government allocate scarce resources, solutions to income inequality, and the economics of environmental policy. Learn to think like an economist! This course counts for a social studies elective credit.

AP Microeconomics - CVS351/ CVS352

1 Credit / 1 Year - Grade 11, 12

Meets Occupational Education and Social Studies graduation requirement

CADR (or other)

Prerequisite

None

Homework

Daily, 30-60 minutes

This course will prepare students for the AP Microeconomics exam, if they choose to take it. Content and conduct of this course is preparatory for college work in subjects such as business and finance. Topics will include basic economic concepts, such as scarcity, opportunity cost, supply and demand, marginal analysis, and the role of incentives in decision-making, as well as a deeper look into economic systems, market structures, market failures, and the role of government. Students will prepare for various types of tests, including creating and analyzing models and researching and writing about economics. See AP description on page A3.

Psychology – CVS551

0.5 Credit/1 Semester – Grade 9, 10, 11, 12

Meets Occupational Education and Social Studies graduation requirement

CADR

Prerequisite

None

Homework

Occasional, plus time for projects as needed

This course explores the nature of human behavior, and attempts to explain why people act the way they do. Psychology is the study of human intellectual, social, and emotional development. Topics to be addressed will include sensory exploration, ethics, states of consciousness, growth and development, learning, intelligence, memory, emotion, personality, social psychology, and disorders. Students explore course material through group activities, projects, educational videos, and selected readings.

AP Psychology - CVS561/ CVS562

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

Meets Occupational Education and Social Studies graduation requirement

CADR

Prerequisite

None

Course Fee

None

Homework

Daily, 1 hour

The AP Psychology course is designed to introduce students to the systematic and scientific study of behavior and mental processes of humans and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major areas within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course helps prepare students for the end-of-year AP exam.

Social Justice: Diversity in Action - SOC911

1 Semester / 0.5 credit – Grades 9, 10, 11, 12

CADR

Estimated Daily Homework

20 minutes

In this elective course, students will explore and analyze social justice issues and then suggest positive action for social change through a final research presentation. The course is designed to provide a basis to better understand the socio-economic, cultural, and political conditions among key social groups in the U.S. Students will engage in classroom and service activities as they explore the origins of civil rights and social justice, and how grassroots movements can transform communities, cultural norms, and global systems. Engaged students will have the opportunity to learn some of the tools needed to become successful change makers, activists, and community organizers.

Learning another language opens up a whole new world and expands one's knowledge and understanding of different people and cultures. In today's age of increasing international relations, it is important for Americans to acquire a better understanding of the values, cultures, and aspirations of others. Increasingly, the business world is demanding second language skills of their employees so they can operate in a global economy. One can gain this awareness through the study of other languages. As admission to state universities becomes more competitive, two years of language study may not be adequate to assure admission because the number of highly-qualified applicants is increasing. (Students are encouraged to check with the college/university of their choice for complete admission requirements.) In addition, three years of high school world language study is required to satisfy the current University of Washington's College of Arts and Sciences' graduation requirement.

Languages Level 1

French 1 - FOR111/FOR112

Spanish 1 - FOR511/FOR512

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

None

Course Fee

None

Homework

2-3 Hours/Week

These courses allow students to develop basic proficiency in the four skills of communication: listening, speaking, reading, and writing. Content includes vocabulary common to daily needs, courtesy requirements, basic grammatical structures, comprehension of familiar topics, development of, sensitivity to, and an acceptance of cultural differences. Students are expected to actively participate in class, memorize vocabulary, and practice grammar outside of class. One year toward the two-year college/university admission met upon successful course completion.

American Sign Language I - CDL011/CDL012

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, CTE Dual Credit

Prerequisite

None

Course Fee

None

Homework

2-3 Hours/Week

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. This class is presentation based and taught in the target language. Two years of American Sign

Language satisfies the World Language entrance requirement for many Washington State colleges and universities. By the end of the year, students will have a conversational knowledge of American Sign Language.

Languages Level 2

French 2 - FOR121/FOR122

Spanish 2 - FOR521/FOR522

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

Successful Completion of Level 1 Language

Course Fee

None

Homework

2-3 Hours/Week

This class allows further development and reinforcement of basic proficiency in the four skills of communication mentioned in Level 1 as they relate to expansion of vocabulary, grammatical structures, guided composition and conversation, and culture studies in the language. Two years toward the two-year college/university admission requirement met upon successful course completion.

American Sign Language II - CDL021/CDL022

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, CTE Dual Credit

Prerequisite

Successful completion of level 1

Course Fee

None

Homework

2-3 Hours/Week

Students will continue to refine and improve their ASL skills acquired from the introductory course (ASL 121). The students will continue to learn ASL grammar rules and deepen their expressive and receptive skills. Deaf culture will be explored in greater depth and continued discussions of current ASL, Deaf, and related vocational-technical career topics presented. This class is presentation based and taught in the target language.

Languages Level 3

French 3 - FOR131/FOR132

Spanish 3 - FOR531/FOR532

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

Successful Completion of Level 2 Language

Course Fee

None

Homework

2-3 Hours/Week

Level 3 is an extension and expansion of Level 2 with additional emphasis on conversation and writing. Grammar is reviewed, practiced and reinforced. Students work toward total immersion in the target language. Students may take Level 3 World Language courses for college credit. Third year college/university admission or graduation requirement, if applicable, can be met.

American Sign Language III – CDL031/CDL032

1 Credit / 1 Year - Grade 9, 10, 11, 12

Meets Occupational Education and World Language graduation requirement

CADR, CTE Dual Credit

Prerequisite

Successful completion of a level 2 language

Course Fee

None

Homework

2-3 hours per week

Students will expand on their language skills learned in ASL 2. Students will continue to learn vocabulary and grammar rules and improve their expressive and receptive skills. This class is presentation based and taught in the target language. Students will explore ASL related careers. Deaf culture will be explored in greater depth. Students should expect to use ASL for most class communications.

Languages Level 4

French 4 - FOR141/FOR142

Spanish 4 - FOR541/FOR542

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

Successful Completion of Level 3 Language

Course Fee

None

Homework

2-3 Hours/Week

Advanced world language classes give students an opportunity to experience and discuss literature, history, art, and current events. Students refine communication skills by using authentic cultural

material, films, videos, magazines, and newspapers. Students work toward total immersion in the selected language.

Spanish for Heritage Speakers - FOR591/FOR592

1.0 Credit / 1 Year- Grade 9, 10, 11, 12

Prerequisite

This course is designed for students whose families speak Spanish at home. Students do not need to be literate in Spanish to enroll, but they do need to be able to converse in Spanish on a wide variety of topics.

Homework

Roughly one hour per week

Course Description

This class is conducted entirely in Spanish and will focus on Hispanic art, literature, history and current events. It will also teach core skills such as writing conventions, written expression, and presentational skills.

Advanced Placement (AP)

AP French Language - FOR171/FOR172

AP Spanish Language - FOR571/FOR572

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

CADR

Prerequisite

Successful completion of level 4 language

Course Fee

None

Homework

5-6 hours per week

The rigor of this course is the equivalent of a third year college course in advanced composition and conversation. It includes aural/oral skills, reading comprehension of varied materials, grammar and composition. Communication objectives are comprehension of formal and informal language, acquisition of vocabulary, composition of expository passages and ability to express ideas and opinions orally and in writing with accuracy. Students have the opportunity to earn college credit by passing the AP Spanish/AP French exam. Demonstration of proficiency via oral and written examinations is required. See AP description on page A3. One state college/university admissions requirement met upon successful course completion.

ADDITIONAL course choices

Lake Washington High School 2021-22 course catalog

Peer Tutor - ELE161/ELE162

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Prerequisite

Transition Teacher Permission

Course Fee

None

Homework

None

This course is available to students who like to meet and work with people who have special needs or students in general education classes. Students are graded on their responsibility and performance level.

Teacher/Office Assistant

(See Counselor)

0.5 Credit / 1 Semester - Grade 9, 10, 11, 12

Prerequisite

Teacher/Secretary Approval

Course Fee

None

Homework

None

Teacher/office assistant (TA), during an assigned period, help staff with physical and/or clerical tasks. TA's who fulfill a daily work assignment or who give substantial research or instructional assistance eligible for 0.5 credit at the discretion of the instructor. This is a pass/no credit only course. One credit maximum count may be taken in grades nine-12.

AVID 9 - ELE361/ELE362

AVID 10/11/12 - ELE363/ELE364

1 Credit / 1 Year - Grade 9, 10, 11, 12

Prerequisite

Teacher Placement/Application

Course Fee

None

Homework

None

AVID (Advancement Via Individual Determination) is an academic elective course that prepares students for college readiness and success. It is scheduled during the regular school day as a year-long course. Each week students receive instruction utilizing a rigorous college preparatory curriculum provided by the AVID Center utilizing tutor-facilitated study groups that strengthen metacognitive development, analytical reading and writing, and communication skills. In AVID, students learn to incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students will become more aware of their personal contributions to the learning process as well as the need for involvement in their school and community. Students will prepare for and participate in college entrance and placement exams while refining study skills and test-taking, note-taking, and research techniques.

ELL Beginning, Intermediate and Advanced English

1 Credit / 1 Year - Grade 9, 10, 11, 12

CADR

Prerequisite

WLPT Placement

Course Fee

None

Homework

Frequent

This course helps English language learners develop basic interpersonal communication skills as well as cognitive academic language proficiency. It stresses listening, reading, writing, and speaking in English. Students prepare to meet standards in the reading and writing state test and the Washington Language Proficiency Test (WLPT). The students may be in the course for more than one year; therefore, individual needs and considerations are addressed. Students are regularly assigned homework and project assignments. Class participation is important.

Principles of Leadership - ELE207

.5 Credit - Grades 9, 10, 11, 12

Prerequisites

None

Course Fee

None

Homework

As Needed

The class emphasizes the importance of communication, character, personal growth and building strong relationships and teams. Also covered will be listening skills, synergy, perceptions, conflict styles, personality, and group formation. A variety of initiatives will be used to facilitate the learning of skills and, along with various media, reinforce those skills throughout the semester.

Worksite Learning - CVX111/CVX112

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

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. For more information and registration for this course, contact your College & Career Center.

AP CAPSTONE

Lake Washington High School is the first of LWSU high schools to implement AP Capstone – an innovative diploma program begun in 2014 that allows students to develop the skills that matter most for their future college and career success: research, collaboration, and communication. The AP Capstone program represents a significant shift from content to skills. The program includes a two-course sequence: AP Capstone 1 (AP Seminar) and AP Capstone 2 (AP Research).

Students who complete both courses with scores of 3 or higher and receive scores of 3 or higher on four additional AP exams of their choosing, will receive the AP Capstone Diploma. Students who earn scores of 3 or higher on the two AP Capstone exams but do not take the requisite additional AP courses will receive the AP Seminar and Research Certificate.

The first course in the sequence is the AP Seminar course. This course is typically taken by students in the 10th or 11th grade. This course equips students with the power to explore academic and real-world issues from multiple perspectives. Teachers have the flexibility of choosing themes for the class based on student interests. Some examples of themes could be issues involving education, innovation, sustainability, and technology. By tapping into students' personal interests, AP Capstone gives a broader array of students an entry point into challenging course work. Students are assessed through an individual project and a team project completed during the year in addition to a year-end written exam.

The second course in the sequence is the AP Research course. This course is typically taken in the final year of high school and AP Seminar is a pre-requisite. AP Research allows students to deeply explore an academic topic, problem or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question.

Colleges and universities support the AP Capstone program, and in many cases, offer credit for achievement. As the UW Associate Vice Provost stated, "At the University of Washington, we are very interested in enrolling students who have distinguished themselves through the AP Capstone program. Students who successfully participate in the AP Capstone program learn how to read and assess sources critically, distill and synthesize conclusions based on evidence, and effectively communicate their conclusions to others. This developed skill of critical reading, thinking, and communicating is precisely what leads to high achievement and outcomes in college."

A summary video may be found at <https://www.youtube.com/watch?v=gNzjskIBLIM>.

A student brochure is available at <https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap-capstone/ap-capstone-student-brochure.pdf>.

AP Capstone 1 (AP Seminar) – ELE901/ELE902

1.0 Credit / 1 Year – Grade 10, 11

CADR

Prerequisite

10th or 11th grade standing; concurrent enrollment in an additional AP course or AVID; commitment to complete AP Capstone Diploma or Certificate requirements

Homework

Weekly homework of 1-2 hours

Course Description

This course is the first of two courses available for students to earn the AP Capstone Diploma. AP Seminar provides sustained practice of investigating issues from multiple perspectives and cultivates student writing abilities so they can craft, communicate, and defend evidence-based arguments. Students are empowered to collect and analyze information with accuracy and precision and are assessed through a team project and presentation, an individual written essay and presentation, and a written exam. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma™. This signifies their outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the AP Seminar and Research Certificate™ signifying their attainment of college-level academic and research skills.

AP Capstone 2 (AP Research) – ELE903/ELE904

1.0 Credit / 1 Year – Grade 11, 12

CADR

Prerequisite

Completion of AP Capstone 1 (AP Seminar); 11th or 12th grade standing; commitment to complete AP Capstone Diploma or Certificate requirements

Homework

Weekly homework of 1-2 hours

Course Description

Students will develop the skills and discipline necessary to conduct independent research to produce and defend a scholarly academic thesis. This second course in the AP Capstone experience allows students to explore deeply an academic topic, problem, or issue of individual interest and through this inquiry, students design, plan, and conduct a year-long mentored, research-based investigation. The course culminates in an academic thesis paper of approximately 5,000 words and a presentation, performance, or exhibition with an oral defense. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma™. This signifies their outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the AP Seminar and Research Certificate™ signifying their attainment of college-level academic and research skills.

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.

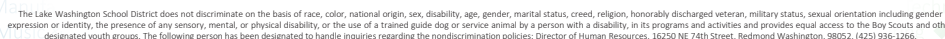
These students will continue to attend courses in their home high school in the other three periods when they are not attending the STEM Signature Program, and/or complete other courses through Running Start.

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



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

College Academic Distribution Requirements (CADRs) Coursework (See details at <http://www.wsac.wa.gov/college-admissions>)

Students are encouraged to take a minimum of three credits of CADR courses each year of high school, including the senior year.

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.

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.

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.

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.

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).

Note: Successful completion of math through pre-calculus meets the requirement for 3 credits of math and the senior-year math requirement (below).

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).

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.

Note: Western Washington University specifies two (2) credits and that one credit must be an algebra-based chemistry or physics course.

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.

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.

Social Science – 3 credits of history or other social science (e.g. anthropology, contemporary world problems, economics, geography, government, political science, psychology).

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.

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.

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



Washington Office of Superintendent of
PUBLIC INSTRUCTION