

Lake Washington High School



2017-2018
Course Catalog

Introduction to LW	2
Counseling/Academic Information	3
Special Education	3
Courses by Department	4
Academic Policies	6

Lake Washington H.S. Courses

Career & Technical Education	7
English	15
English Language Learners (ELL)	18
Fine Arts	19
Health/Fitness	25
Mathematics	27
Science	30
Social Studies	34
World Languages	37
Additional Course Choices	39

General District Information

District Graduation Requirements	A1
High School Assessment Graduation Requirements	A2
Advanced Placement (AP)	A3
Career & Technical Education (CTE)	A3
CADR courses	A4
High School and Beyond Plan	A4
LWSD Online Courses	A4
Running Start	A5
Tesla STEM School Signature Programs	A5
WANIC	A4, A6
Minimum College Admission Standards (CADR)	A7-A8

Principal – Christina Thomas	2
Associate Principal – Kia duNann	3
Associate Principal - Lloyd Higgins	3
Associate Principal - Brian Story	3

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.



Counseling Center Telephone:

(425) 936-1702

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

Counselors:

Cameron Miller
Toby Doyle
Taylor Reuhl
Sara Ray
Marilyn Hargraves
Counselor TBD

Counseling Staff:

Counseling Secretary/Registrar: Mackenzie Shumake
Drug & Alcohol Counselor: Suzanne Peterson
Psychologist: Alison Henry
Career Specialist: Melanie Kristjanson
Data Processor: Angela Jalobeanu
BECCA: Sandy Hearn

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.com
- SAT II (Subject Tests) collegeboard.com

Achievement & Aptitude Testing:

- Armed Services Vocational Aptitude Battery (ASVAB)
- High School Proficiency Exam (HSPE)
- End-of-Course Exam (EOC)
- Preliminary Scholastic Achievement Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT)
- Smarter Balanced Assessment (SBAC)

Guidance:

- Career Interest Surveys
- Career Cruising

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.com for SAT.

ASVAB Testing

The Armed Services Vocational Aptitude Battery (ASVAB) is offered in October to interested LWSH students. This test provides information regarding students' aptitudes and interests in relationship to their careers of interest (www.military.com/ASVAB).

College/University Visits

Throughout the school year, college/university representatives schedule visits to speak with students and parents 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 Career Cruising. Additionally, in October, ninth grade students attend presentations, 10th grade students take the PSAT, 11th grade students take either the PSAT or the ASVAB, and 12th grade students attend a college/career fair and self-select senior seminars to help them plan for post-secondary options. Completion of this work is a state and district requirement for graduation.

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 (www.wanic.org).

Scholarships

Scholarships are received throughout the year and posted on the LWSH website (<http://www.lwsd.org/school/lwhs/career-center/Pages/scholarships.aspx>). A weekly scholarship bulletin is printed and copies are available in the College and Career Center.

Special Education

Students enrolled in special education courses must qualify for specially designed instruction. Courses are offered to provide specially designed instruction in qualifying areas. Students work directly with the instructors.

COURSES by department

Career & Technical Education (CTE)	Grade
American Sign Language 1	9, 10, 11, 12
American Sign Language 2	9, 10, 11, 12
American Sign Language 3	9, 10, 11, 12
AP Computer Science A	10, 11, 12
AP Computer Science Principles	10, 11, 12
AP Environmental Science	10, 11, 12
Applied Photography 1	9, 10, 11, 12
Applied Photography 2 and 3	10, 11, 12
AP Psychology	10, 11, 12
AP Studio Art	10, 11, 12
Career Work Experience (Work Credit Program)	10, 11, 12
Child Psychology	9, 10, 11, 12
Computer Science	9, 10, 11, 12
Computer Science and Engineering	10, 11, 12
Culinary Arts 1	10, 11, 12
Culinary Arts 2	10, 11, 12
Culinary Arts & Catering	11, 12
Design Your World	11, 12
Digital Design 1	9, 10, 11, 12
Engineering Design	9, 10, 11, 12
Engineering 2	10, 11, 12
Entrepreneurship	10, 11, 12
Fashion Marketing & Design	9, 10, 11, 12
Leadership 1	9, 10, 11, 12
Leadership 2	9, 10, 11, 12
Life & Finances	9, 10, 11, 12
Marketing 1	9, 10, 11, 12
Marketing Operations	10, 11, 12
Material Science Technology 1	9, 10, 11, 12
Material Science Technology 2	10, 11, 12
Psychology	9, 10, 11, 12
Robotics 1	9, 10, 11, 12
Robotics 2	10, 11, 12
Sports & Entertainment Marketing	9, 10, 11, 12
Video Production	9, 10, 11, 12
Video Production 2	10, 11, 12
Yearbook	9, 10, 11, 12

English	Grade
AP English Language and Composition	11
AP English Literature and Composition	12
Creative Writing 1	9, 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
Poetry	9, 10, 11, 12
UW Composition: Exposition & Writing in Comparative Literature (UW in the High School)	12
English Language Learners (ELL)	Grade
ELL English 9	9
ELL English 10	10
ELL English 11	11
ELL English 12	12
Fine Arts - Visual	Grade
AP Studio Art	10, 11, 12
Ceramics/Pottery 1	9, 10, 11, 12
Ceramics/Pottery 2 and 3	10, 11, 12
Applied Photography 1	9, 10, 11, 12
Applied Photography 2 and 3	10, 11, 12
Drawing 1	9, 10, 11, 12
Drawing and Painting 2 and 3	10, 11, 12
Digital Design 1	9, 10, 11, 12
Engineering Design	9, 10, 11, 12
Painting 1	9, 10, 11, 12
Yearbook	9, 10, 11, 12
Fine Arts - Music Instrumental	Grade
Chorus 1 (Chorale)	9, 10, 11, 12
Chorus 2 (Lyrica)	10, 11, 12
Drums	9, 10, 11, 12
Guitar 1	9, 10, 11, 12
Guitar 2	9, 10, 11, 12
Jazz Ensemble	9, 10, 11, 12
Orchestra 1 (Concert Orchestra)	9, 10, 11, 12
Orchestra 2 (Chamber Orchestra 2)	9, 10, 11, 12
Piano 1	9, 10, 11, 12
Piano 2	9, 10, 11, 12
Symphonic Band	9, 10, 11, 12
Vocal Jazz Ensemble	9, 10, 11, 12
Wind Ensemble	10, 11, 12

COURSES by department

Fine Arts – Theater	Grade
Drama 1	9, 10, 11, 12
Drama 2	9, 10, 11, 12
Production Workshop (Tech Theater Perf & Prod)	9, 10, 11, 12
Health/Fitness	Grade
Lifetime Fitness	9, 10, 11, 12
Health 1	9
Lifetime Sports	9, 10, 11, 12
Physical Ed 2 (Healthy Lifestyles)	9, 10 - Requirement
Racquet & Net Sports	9, 10, 11, 12
Sports Medicine	9, 10, 11, 12
Team Sports	9, 10, 11, 12
Weight Training 1	9, 10, 11, 12
Mathematics	Grade
Algebra 1	9
Algebra 2	9, 10, 11, 12
Algebra 2 Honors	9, 10
Algebra 3 with Trigonometry	11, 12
AP Calculus AB	11, 12
AP Calculus BC	11, 12
AP Statistics	11, 12
Financial Algebra	10, 11, 12
Geometry	9, 10, 11
Introduction to Calculus	11, 12
Math Analysis	10, 11, 12
Science	Grade
AP Biology	11, 12
AP Chemistry	11, 12
AP Environmental Science	10, 11, 12
AP Physics 1	10, 11, 12
AP Physics 2	10, 11, 12
Astronomy (Solar System)	10, 11, 12
Astronomy 2 (Galaxies)	10, 11, 12
Biology	9, 10, 11, 12
Chemistry	10, 11, 12
Marine Science 1	10, 11, 12
Marine Science 2	10, 11, 12
Material Science Technology 1	9, 10, 11, 12
Physical Science	9
Physics	10, 11, 12
Zoology	10, 11, 12

Social Studies	Grade
Ancient Civilizations	9, 10, 11, 12
AP Psychology	10, 11, 12
AP United States History	11
AP US Government and Politics	12
AP World History	10
Civics	12
Current World Issues	12
Economics	11, 12
Modern World History	10
Psychology	9, 10, 11, 12
US History	11
World Religions	10, 11, 12
World Languages	Grade
American Sign Language 1	9, 10, 11, 12
American Sign Language 2	9, 10, 11, 12
American Sign Language 3	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
French 5	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 5	9, 10, 11, 12
Additional Course Choices	Grade
AVID	9, 10, 11, 12
Peer Tutor-Transition Students	9, 10, 11, 12
Teacher Assistant/Office Aides	9, 10, 11, 12

* (Required for all ASB/Class Officers)

Academic Load

Ideally, all freshman, sophomores, and juniors must take 12 semester classes/six class periods per day. Seniors are encouraged to take six classes but may opt to take late arrival (no first period) or early dismissal (no sixth period). Seniors with late arrival are not to arrive before 8:50 AM; those with early dismissal are to leave campus immediately after fifth period.

Credit Replacement Policy

Students who choose to take coursework from any accredited alternative school will receive "transfer" on their transcript (e.g. Transfer Math). It is the student's responsibility to request an official transcript from any institution attended when completing the college application process. 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 are encouraged to see their counselor for clarification.

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 the Student Portal to check Haiku and Standard Score 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.

Honor Roll (Regular)

All students, including Running Start and WANIC, must be enrolled in at least five LWHS classes in a semester 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.

Honor Roll (High)

All students, including Running Start and WANIC, must be enrolled in at least five 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 A3.

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 prior to the beginning of second semester or within the first five days of the beginning of the school year only for these reasons:

- 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 student is placed in a course not requested and an alternate class can accommodate an additional student
- a teacher recommends the student move to a different level within the same discipline

A student may download a Schedule Change Request Form from the school website and submit it to the Counseling Center between the third and fifth day of the semester. 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

All changes will occur in the first five full days of school. Any class dropped after the fifth day of the semester will be noted on the student's transcript with a penalty withdrawal grade of "F" and the student will be placed in a TA position for no credit. For courses that have multiple levels (general and Honors or AP), circumstances may dictate that students are moved after the 5th day of either semester. A change may be granted for a move up or down in the course level with permission from the student's teacher, counselor and administrator. However, students should be aware that their transcripts will reflect the original course with a "W" (non-credit bearing, no effect on GPA) grade, as well as the new course and any grade earned.

Teacher Assistant

A maximum of one credit will be allowed from grade nine through grade 12. One-half credit will be granted for each semester of successful course completion. A "Pass/No Credit" grade is given at the discretion of the teacher/administrator responsible.

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.** Tech Prep allows high school students to earn college credits for their high school CTE classes while learning important job skills.

Leadership 1 (Intro to Leadership Development) - ELO201

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

Meets both Occupational Education and Elective graduation requirement

Prerequisite

None

Lab 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 explore their leadership styles and organizational skills while participating in a variety of activities or events at school or in the community. Students will engage in experiential learning activities to develop teamwork and explore leadership concepts. Students who are ASB and class officers or representatives are required to take the year-long Leadership 2 (Student Government) class.

Leadership 2 (Student Government) - ELO203/ELO204 **1 Credit / 1 Year - Required for all ASB and Class Officers or Representatives in Grade 9-12**

Meets both Occupational Education and Elective graduation requirement

Prerequisite

None

Lab 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.

Digital & Visual Design

Applied Photography 1 - AR0411

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

Meets both Occupational Education and Art graduation requirement

CADR, Tech Prep

Prerequisite

None

Lab Fee

\$40

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 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.

Applied Photography 2 - AR0421

Applied Photography 3 - AR0431

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

Meets both Occupational Education and Art graduation requirement

CADR, (Tech Prep - Applied Photography 2)

Prerequisites

Dig Photo 2 : Dig Photo 1

Dig Photo 3 : Dig Photo 2

Lab Fee

\$40

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.

AP Studio Art - ARO341/ARO342

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

Meets both Occupational Education and Art graduation requirement

CADR

Prerequisite

Drawing and painting ability

Lab Fee

\$40 per semester (materials and supplies)

Homework

6+ Hours /Week

This year-long class prepares students for either the AP Drawing or 2D Design Portfolio exam. The fall semester focuses on generating work for the Breadth section of the portfolio, which demonstrates students' technical, expressive and formal artistic range. The spring semester is geared towards developing the Concentration section of the portfolio with an in-depth, personal commitment to a particular artistic concern (a theme-based collection of related works). AP students operate as a community participating in group critiques and public exhibitions of their work. The goal of this class is the demonstration of excellence in original works of art.

Digital Design 1 - ARO351

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

Meets both Fine Arts and Occupational Education graduation requirement

Prerequisite

None

Lab Fee

\$10

Homework

Participation in LW Activities as Assigned

Digital Design students will use Adobe Photoshop, Illustrator, and InDesign software programs to create impactful visual designs to meet clients' needs. This will involve applying the principles of visual perception to the practice of visual communication. The student's job will be to conceive, plan and execute designs that communicate a specific message to a specific audience within given client parameters. In their quest to solve multiple design problems, students will learn about the history of design, typography, color theory, and the elements and principles of design.

Video Production - CTA201/CTA202

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

Tech Prep

Prerequisite

None

Lab Fee

\$10

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 2 – CTA203/CTA204

1 Credit / 1 Year – Grade 10, 11, 12

Prerequisite

Completion of Video Production 1

Lab Fee

\$10

Homework

1 Hour Daily; Out of School Commitment Occasionally Required

This course is a continuation of the principles learned and practiced in Video Production 1. 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 - ARO151/ARO152

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

Meets both Occupational Education and Art graduation requirement

Tech Prep

Prerequisite

None

Lab Fee

\$10

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.

Marketing

Marketing 1 - CTB711/CTB712

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

Tech Prep

Prerequisite

None

Lab 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.

Entrepreneurship - CTB761/CTB762

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

Tech Prep

Prerequisite

Marketing Operations or Marketing 1

Lab Fee

\$38

Homework

As Needed

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.

Marketing Operations - CTB751/CTB752

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

Tech Prep

Prerequisite

Teacher permission

Lab 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.

Fashion Marketing & Design - CTB721/CTB722

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

Tech Prep

Prerequisite

None

Lab Fee

\$38

Homework

Yes

Fashion Marketing & Design is a class designed to prepare students for a fascinating career in the fashion industry. This course provides students with a thorough background in the areas of merchandising, wholesaling, advertising and human relations as related to the fashion industry. Students will also acquire the basic business and marketing skills necessary to become successful in the fashion and distribution fields. Students will participate in DECA and leadership activities such as conferences, competition, and community service events.

Sports & Entertainment Marketing - CTB731

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

Tech Prep

Prerequisite

None

Lab 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.

Technology

Engineering Design - ARO211/ARO212

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

Meets both Occupational Education and Art graduation requirement

Tech Prep

Prerequisite

None

Lab Fee

\$10

Homework

As Needed

Designed for ninth, 10th, 11th, and 12th grade students, as an introductory class. The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

Engineering 2 - CTT321/CTT322

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

Prerequisite

Engineering 1

Lab Fee

\$10

Homework

As Needed

This course expands the STEM concepts and knowledge base learned in Engineering 1 PLTW. 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 1 - CTT451

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

Tech Prep

Prerequisite

None

Lab Fee

\$20

Homework

As Needed

Robotics is the fastest growing segment of modern technology and manufacturing. Students explore the history, future, construction and programming of robots using Vex Robots and Robot programming. Students gain an understanding of engineering, programming, and how to build and operate basic robotic machinery. This STEM-aligned class covers fundamentals in electronics, physics and the mechanics and operation of modern robots. Robotics 1 is a 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 2 - CTT453

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

Prerequisite

Robotics 1

Lab Fee

\$20

Homework

As Needed

Robotics 2 expands the STEM concepts and knowledge learned in Robotics 1.

Material Science Technology 1 - SC0241/SC0242

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

Meets both Occupational Education and Science graduation requirement

CADR, Tech Prep

Prerequisite

None

Lab Fee

\$60

Homework

As Needed

Come explore the "Study of Stuff." Material Science Technology (MST) is a multidisciplinary hands-on approach to science that involves the study, design, exploration, and fabrication of materials: metals, ceramics, polymers, and composites. MST includes principles from chemistry, physics, engineering, and mathematics. MST maintains a science and technology focus, which teaches students to better understand the properties and uses of materials. Key features of MST include the ability to use materials to address environmental issues and to solve problems. This course can be used for lab science credit and offers students the opportunity to write a formal lab report. This course qualifies for science credit if a student has taken Biology and/or is currently enrolled in Biology.

Material Science Technology 2 - CTT251/CTT252

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

Prerequisite

Material Science 1; Teacher Permission

Lab Fee

\$60

Homework

As Needed

Material Science Technology 2 is a continuation of Material Science Technology 1. In Material Science 2, students will be engaged in an in-depth study of metals, ceramics, polymers, and composites as they pertain to industry and manufacturing. Students will be involved in the design and production of prototype and small production runs using the properties of the different materials to be encountered.

Computer Science - CTA501

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

Tech Prep

Prerequisite

None

Lab 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.

Computer Science and Engineering - SC0581/SC0582

1 credit/1 year – Grade 10, 11, 12

Meets both Occupational Education and Science graduation requirement

Tech Prep

Prerequisite

Algebra 1

Lab Fee

\$60

Homework

15 minutes and expect after-school time to complete and show student-designed projects in the second semester

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 technologies learned are basic laws of electronics, including Ohm's law, analog and digital data input and output, pulse-width modulation. Among the skills learned are programming microcomputers in the C language, parts identification, reading electronic schematics, circuit breadboarding, circuit board fabrication, drilling, parts insertion, and soldering. Among the major projects in the first semester are musical instrument that changes pitch and volume as the hands are moved toward and away from sensors, a rolling robot that detects and avoids obstacles, a rolling robot that is controlled by an infrared remote. The second semester major projects are a working laser-tag system, a student chosen and designed project. Past projects have included a pinball machine, a helicopter, a robot dog that walks on four legs, a rolling robot that balances on two wheels, and an air guitar that actually plays.

AP Computer Science A - SC0861/SC0862

1 Credit / 1 Year - Grade 11, 12

Meets both Occupational Education and Science graduation requirement

CADR (senior year), Tech Prep

Prerequisites

Algebra 2

Lab 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 - SC0863/SC0864

1 credit/1 year – Grade 10, 11, 12

Meets both Occupational Education and Science graduation requirement

CADR (senior year), Tech Prep

Prerequisites

Algebra 1 and students should be able to use a Cartesian coordinate system to represent points on a plane.

Lab Fee

None

Homework

Daily 30-60 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.

AP Environmental Science - SC0541/SC0542

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

Meets both Occupational Education and Science graduation requirement

CADR, Tech Prep

Prerequisite

Previous Biology, Chemistry, or Physics

Lab Fee

\$15 (equipment and consumables for in class labs and field experiments including water testing, auto emission testing, and other lab activities)

Homework

1-3 Hours/Week

This class is designed to explore environmental issues as well as prepare students for the AP Environmental Science exam in a lab environment. Concepts include ecosystems measurements, human populations, pollution, energy use, and forestry issues. Ramifications and solutions to these problems are discussed.

Career Work Experience (Work Credit Program) - CTB831

(See Career Center)

0.5 Credit for every 180 hours worked - Grade 10, 11, 12

Prerequisite

See Course Description Below

Lab Fee

None

Homework

None

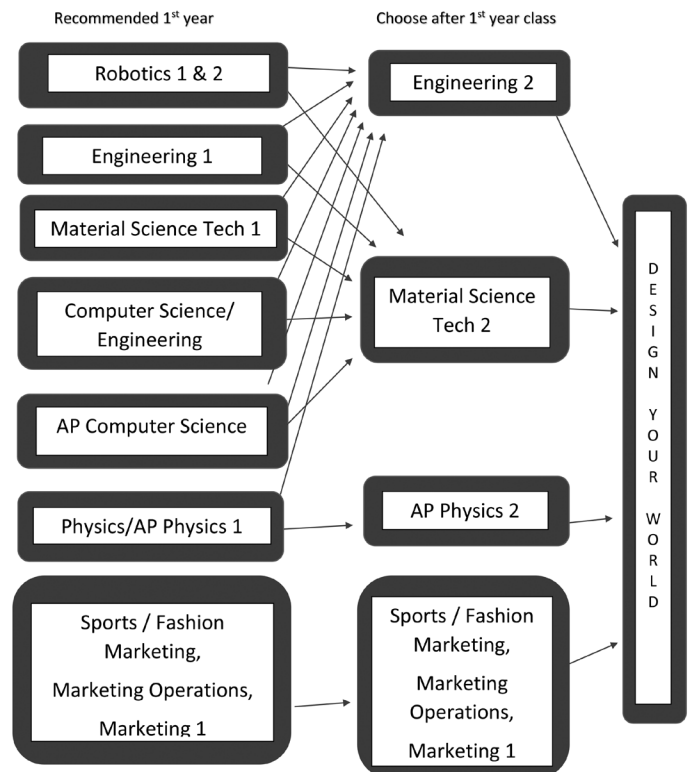
This class qualifies for Career & Tech Education credit.

Earn CTE credit for your employment outside of the school day. Students who have completed, or are currently enrolled in, a one semester Occupational Education course and have a job, may earn an additional CTE credit during the school year. For every 180 hours worked during the school year (September-June, students can earn 0.5 credit. The grade earned will be an "A". Students may access this opportunity up to four (4) times during their high school career, which would equal two (2) credits. Just think how these additional "A" grades could strengthen your GPA.

STEM Signature Program

Lake Washington High School STEM Pathways

Students must have 2 credits OR Teacher approval to enter the STEM / Design Your World Class (Capstone)



Design Your World - YBK902

1.0 credit / 1 Year - Grade 11, 12

Prerequisite

See chart above

Lab Fee

\$40

Homework

Varies

Design Your World is unlike any course you have ever taken. Due to the open nature of the course, you can pursue a topic related to your own interest generated from your chosen pathway. This capstone course is designed to lead student teams through the process of solving a problem and teaching the skill sets related to working as a professional and documenting a design process. You will "experience" the design process, not be "taught" a design process as if this were a traditional classroom of the 20th century.

Family & Consumer Sciences

Courses in the Family and Consumer Sciences department 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. Tech Prep allows high school students to earn college credit for their high school Career & Tech Education classes while learning important job skills.

Culinary Arts 1 - SC0425/SC0426

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

Meets both Occupational Education and Science graduation requirement

Tech Prep

Prerequisite

None

Lab Fee

\$40 + Food Handlers 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 2 - SC0427/SC0428

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

Meets both Occupational Education and Science graduation requirement

Tech Prep

Prerequisite

Culinary Arts 1

Lab Fee

\$40

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 (Culinary/Cater) - CTP551/CTP552

1 Credit / 1 Year - Grade 11, 12

Prerequisite

Culinary Arts 1 and 2

Lab Fee

\$40+ Chef Coat & Food Handlers' Permit Paid at Exam

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

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's permit is required and may be obtained online at: www.foodworkercard.wa.gov.

Life & Finances - CTP391

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

Tech Prep

Prerequisite

None

Lab Fee

None

Homework

As Needed

Life and Finances 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 medical insurance. Students leave this class prepared to deal with finance and living within their means.

Child Psychology - CTP341

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

Tech Prep

Prerequisite

None

Lab Fee

None

Homework

Occasional

In this fun and interactive class, students learn theories of human development and how to interact more positively with children. The course helps students understand the role each of us plays in raising healthy children. Students will learn about themselves, the child they once were and the parent they may become. Topics covered include the importance of self-esteem, positive discipline, safety, theories of development, and a healthy home environment.

Psychology – S00371

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

Meets both 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 - S00381/S00382

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

Meets both Occupational Education and Social Studies graduation requirement

Prerequisite

None

Lab 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 1 - F00011/F00012

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

Meets both Occupational Education and World Language graduation requirement

CADR, Tech Prep

Prerequisite

None

Lab 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. 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 2 - F00021/F00022

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

Meets both Occupational Education and World Language graduation requirement

CADR, Tech Prep

Prerequisite

Successful completion of level 1

Lab 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.

American Sign Language 3 – F00031/F00032

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

Meets both Occupational Education and World Language graduation requirement

CADR, Tech Prep

Prerequisite

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

Lab 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. 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, Haiku, DVD's, videos) will be utilized.

Honors English Courses

English Department approval is recommended for this rigorous program. 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
- 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

CADR

Prerequisite

None

Lab Fee

None

Homework

Daily, 30 Minutes

This class provides instruction and practice in a broad range of reading, speaking, and writing skills. Students study a variety of literary genres, including works representing ancient civilizations. Critical content includes the study of novels, informational texts, drama, poetry, and short stories, as well as literary elements, devices, and organizational structures. At least three major book studies and three major multi-paragraph writing assignments will be incorporated. Projects, products and/or performances will be incorporated throughout. Through these assignments and related skill-building drills, including state testing techniques and practice, students will improve their mastery of conventions, sentence structure, and vocabulary. Students have several opportunities for individual or small group research and for self-reflection. Exams include a variety of selected response, short response, and essay questions. The semester culminates with a final exam. **Students taking English 9 must complete a summer reading requirement, which is posted on the school website.**

9th Grade Honors English is integrated into the English 9 class.

Students opting to take Honors English will be given opportunities for enrichment, personal growth and college preparation. Honors work will emphasize critical thinking, expository writing, public presentation, analysis of classic works and ideas, vocabulary development and effective use of technology. Students will have daily homework expectations and are expected to write at an advanced level. They will be assessed based on Level 4 of the district proficiency scales. Students choosing the English 9 Honors option will have an opportunity to make this selection at the beginning of school in the fall. Should they meet all expectations for Honors English 9, they will receive an H designation on their transcript.

English 10 - ENG221/ENG222

1 Credit / 1 Year - Grade 10

CADR

Prerequisite

Sophomore Standing

Lab 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.**

English 10 Honors - ENG271/ENG272

1 Credit / 1 Year - Grade 10

CADR

Prerequisite

Teacher recommendation preferred

Lab Fee

None

Homework

Daily, 1 Hour

This advanced class prepares sophomores for rigorous Advanced Placement programs. The student should be highly self-motivated and have a clear understanding of paragraphing and thesis statements. Content of the course includes literature, philosophically-oriented ideas, mythology, problem-solving techniques, research skills and oral skills. Students choosing this course should be willing to actively participate in discussions, read extensively, accept constructive criticism, and work diligently and independently. Speaking skills are honed and practiced. Students must complete a summer reading requirement, which is posted on the school website.

English 11 - ENG321/ENG322

1 Credit / 1 Year - Grade 11

CADR

Prerequisite

Junior Standing

Lab 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

Teacher recommendation preferred

Lab 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. See AP description on page A3.

English 12 - ENG421/ENG422

1 Credit / 1 Year - Grade 12

CADR

Prerequisite

Senior Standing

Lab 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

Teacher recommendation preferred

Lab 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. See AP description on page A3.

UW in the High School affiliated course

UW Composition: Exposition and Writing in Comparative Literature (UW Comp & Lit) - ENG887/ENG888

1 Credit / 1 Year - Grade 12

CADR

Prerequisite

None

Lab Fee

None

Homework

Daily, averaging 1 hour per night

This year long course introduces students to college level reading and writing within the high school setting. The first semester is writing-heavy. The focus is on the study of the fluidity of the writing process and sound revision practices, culminating in a 50-70 page final portfolio. Readings and topics will include a variety of personal, academic, and public topics (ENG 131). The second semester takes a comparative approach to reading literary works and includes an emphasis on comparative and analytical writing (C LIT 240). Guest lectures and a field trip to the University of Washington are key components of the course. Students have the option to enroll with the University of Washington and earn 5 credits per semester while fulfilling senior English credit. Students interested in this course should have strong reading and writing skills along with the motivation to engage with challenging texts and writing assignments.

Creative Writing 1 - ENG 611

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

CADR

Prerequisite

English 9

Lab 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.

Poetry - ENG573

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

CADR

Prerequisite

None

Lab Fee

None

Homework

Weekly, 30 minutes

Through analysis essays, creative writing, group discussions, projects, and lots of other inspiring/rigorous elements, students explore their creative voices in poetry, as well as develop skills in manipulating and using language, revision, peer and self-evaluation. The course is designed to help beginning writers, as well as more experienced writers. All students should be motivated to explore, share, and grow in a workshop-type setting.

ELL English - ELL021/ELL022

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

CADR

Prerequisite

WLPT Placement

Lab 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.

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 are encouraged to study Drawing 1 and Painting 1.

Fine Arts (Visual) Sequence:

Drawing 1	Photography 1	Ceramics/Pottery 1
Painting 1	Photography 2	Ceramics/Pottery 2
Drawing & Painting 2	Photography 3	Ceramics/Pottery 3
Drawing & Painting 3		
AP Studio Art		

Ceramics/Pottery 1 - ART611

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

CADR

Prerequisite

None

Lab 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

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

CADR

Prerequisites

Ceram/Pottery 1, Ceram/Pottery 2

Lab Fee

\$40 (materials and supplies)

Homework

As Needed

In Ceramics/Pottery 2 students will refine and expand on the skills and techniques developed in Ceramics/Pottery 1. Projects will focus on wheel throwing and advanced hand-building techniques. In Ceramics/Pottery 3 students will collaborate with the instructor to design projects to fit their unique 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.

Painting 1 - ART271

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

CADR

Prerequisite

None

Lab Fee

\$40 (materials and supplies)

Homework

As Needed

This is a beginning level studio class for students with little art background; those who feel "can't paint." The class starts with basic techniques used to create the illusion of 3-dimensionality and progressing to manipulation of color, pattern, texture and imagery in order to generate unique works of art expressing the intent of the student artist. Students are encouraged to try new things and make mistakes along the way. The majority of students leaving this class realize that all they needed to be a successful artist was practice and the willingness to try new things.

Drawing 1 - ART211

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

CADR**Prerequisite**

None

Lab 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.

Drawing and Painting 2 - ARO251**Drawing and Painting 3 - ARO261**

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

Meets both Occupational Education and Fine Arts graduation requirement

CADR**Prerequisite**

Drawing 1 and/or Painting 1 taken at Lake Washington High School

Lab 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 together. Traditional genres are explored including still life, figure studies, landscape, portraiture, and abstraction. Students participate in group exhibitions and a critiques as we focus on visual themes and concepts.

AP Studio Art - ARO341/ARO342

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

Meets both Occupational Education and Fine Arts graduation requirement

CADR**Prerequisite**

Drawing and painting ability

Lab Fee

\$80 (materials and supplies)

Homework

6+ Hours /Week

This year-long class prepares students for either the AP Drawing or 2D Design Portfolio exam. (This is not a written exam, but rather a review of the student’s art.) Portfolios have three parts: Breadth, Concentration, and quality. The breadth section of the portfolio demonstrates students’ technical, expressive and formal artistic range. The concentration section of the portfolio is an in-depth, personal commitment to a particular artistic concern (a theme-based collection of related works). AP students operate as a community participating in group critiques and public exhibitions of their work. The goal of this class is the demonstration of excellence in original works of art.

Engineering Design - ARO211/ARO212

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

Meets both Occupational Education and Fine Arts graduation requirement

Tech Prep**Prerequisite**

None

Lab Fee

\$10

Homework

As Needed

Designed for ninth, 10th, 11th, and 12th grade students, as an introductory class. The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook, and communicate solutions to peers and members of the professional community.

Applied Photography 1 - ARO411

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

Meets both Occupational Education and Fine Arts graduation requirement

CADR, Tech Prep**Prerequisite**

None

Lab Fee

\$40 (materials and supplies)

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 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.

Applied Photography 2 - AR0421**Applied Photography 3 - AR0431****0.5 Credit / 1 Semester - Grade 10, 11, 12**

Meets both Occupational Education and Fine Arts graduation requirement

CADR**Tech Prep (Applied Photography 2)****Prerequisites**Dig Photo 2: Dig Photo 1
Dig Photo 3: Dig Photo 2**Lab Fee**

\$40 (materials and supplies)

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.

Yearbook - AR0151/AR0152**1 Credit / 1 Year - Grade 9, 10, 11, 12**

Meets both Occupational Education and Fine Arts graduation requirement

Tech Prep**Prerequisite**

None

Lab 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**Guitar 1 - MUS211****0.5 Credit / 1 Semester - Grade 9, 10, 11, 12****CADR****Prerequisite**

None

Lab Fee

\$20 (lab fees do not include the cost of ensemble field trips)

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 or Previous Guitar Experience.

Lab Fee

\$20

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.

Chorus 1 (Chorale) - MUS411/MUS412**1 Credit / 1 Year - Grade 9, 10, 11, 12****CADR****Prerequisite**

None

Lab Fee

\$20 (materials and supplies; does not include cost of ensemble field trip)

Homework

Occasional evening, weekend rehearsals and performances

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 prerequisite for Lyrica.

Chorus 2 (Lyrica) - MUS421/MUS422

Before School, 1 Credit / 1 Year - Grade 11, 12 (10 by audition, and concurrent enrollment with Chorus 1 preferred if admitted)

CADR**Prerequisite**

Two years of Choir in grades 9-10 or equivalent experience if student is a transfer student. Students must also submit a recorded audition and be selected based on their skills.

Lab Fee

\$20 (does not include cost of ensemble field trips)

Homework

None

This highly advanced ensemble meets daily at 7 a.m. Previous choral experience is required and private lessons are highly encouraged. 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.

Drums - MUS231

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

CADR**Prerequisite**

None

Lab Fee

\$20

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.

Vocal Jazz Ensemble – MUS471/MUS472

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

CADR**Prerequisite**

Must be enrolled in Lyrica or Chorale concurrently; audition only (sight singing and rhythm ability required). This is an advanced level group only. Students must possess the ability to sing in tune, learn their own part, and be able to sing it independently with accuracy and quality.

Lab Fee

\$20 (does not include cost of ensemble field trips)

Homework

Frequent Practice

This choir provides the vocal musician with an opportunity to practice, perform and improvise within the jazz idiom. Many required performances occur throughout the school year, including concerts, festivals and competitions.

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

Lab Fee

\$20 (does not include cost of ensemble field trips)

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 and does not conflict with most other classes.

Orchestra 1 (Concert) - MUS311/MUS312

1 Credit / 1 Year - Grade 9

CADR**Prerequisite**

Previous experience, with at least three years of string study ideal.

Lab Fee

\$20 coaching fee annually (does not include the cost of ensemble field trips)

Homework

90 minutes weekly practice or private lessons

This is the entry level orchestra at LWHS. It is required of all incoming ninth grade string players. Some 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**

Past Experience on a String Instrument

Lab Fee

\$20 coaching fee (does not include cost of ensemble field trips)

Homework

90 minutes weekly practice or private lessons

This highly advanced string ensemble explores a great variety of advanced repertoire and plays for all school concerts, local festivals and competitions.

Piano 1 - MUS241

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

CADR**Prerequisite**

None

Lab Fee

\$20

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 LWSHS 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 or Teacher Permission

Lab Fee

\$20

Homework

As Needed

This class covers more advanced playing techniques, scales, theory, and repertoire.

Symphonic Band - MUS121/MUS122

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

CADR**Prerequisite**

Past Experience on a Wind or Percussion Instrument

Lab Fee

\$20 (does not include cost of ensemble field trips)

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

Lab Fee

\$20 (does not include cost of ensemble field trips)

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.

Fine Arts – Theater**Drama 1 - DRA111**

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

CADR**Prerequisite**

None

Lab 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 performed. 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

Lab Fee

None

Homework

As Needed

This continuation of Drama 1 emphasizes characterization, blocking, make-up, costuming, directing and other important elements of Theater Arts. Special attention to the audition process is studied during the first three weeks of the quarter, culminating in a monologue performance. Introduction to play analysis and research are an essential part of this course, with students being responsible for reading and analyzing an entire play throughout the semester. It is recommended that students taking DRAMA 2 have had some theatrical experience.

Production Workshop (Technical Theater Performance & Production) - DRA331/DRA332

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

CADR**Prerequisite**

None

Lab 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.

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. Each student is required to earn 1.5 credits of physical education prior to graduation. 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.

Health 1 - HEA512

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

Prerequisite

None

Lab 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 Ed 2 (Healthy Lifestyles) - PED211

0.5 Credit / 1 Semester - Grade 9, 10 (Requirement)

Prerequisite

P.E. T-shirt

Lab Fee

None

Homework

As Needed

In this required 9th/10th grade course, students demonstrate more specialized knowledge in identifying and applying 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 sport units, 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

Weight Training 1 - PED551

Before School Weight Training - PED552

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

Prerequisite

P.E. T-shirt

Lab 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, speed, 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.

Lifetime Fitness - PED443

Before School Lifetime Fitness - PED444

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

Prerequisite

P.E. T-shirt

Lab Fee

None

Homework

As Needed

This course provides students with skills and knowledge promoting lifetime fitness. Diverse fitness activities will be covered such as cardio 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.

Lifetime Sports - PED441

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

Prerequisite

P.E. T-shirt

Lab 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, softball, pickle ball, tennis, table tennis, badminton, outdoor survival skills, along with fitness activities. 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

Lab 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

Lab 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

Prerequisite

P.E. T-shirt

Lab Fee

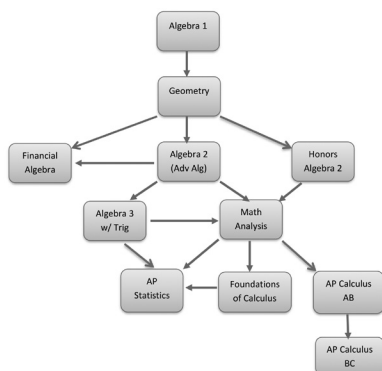
\$30

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.

Students are required to successfully complete a minimum of six semesters of mathematics in grades 9-12. Students in the Class of 2018 must pass either the State End-of-Course Exam (EOC) in either Algebra or Geometry or the Math Smarter Balanced (SBA) Exam. 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 Advanced Algebra with some knowledge of Trigonometry. Students taking the SAT are tested on material covered through Advanced Algebra. Students must meet all prerequisite requirements in a math course before continuing in the math course sequence.



Algebra 1 - MAT241/MAT242

1 Credit / 1 Year - Grade 9

CADR

Prerequisite

None

Lab Fee

None

Homework

Daily, 30 minutes

Materials Required

Scientific Calculator

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The course focuses on five critical areas: (1) develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities, and simple exponential functions, and using them to solve problems; (2) compare and contrast linear and exponential functions, translate between different representations, use function notation, and interpret arithmetic sequences as linear functions and geometric sequences as exponential functions; (3) use regression techniques to describe linear relationships quantitatively and make judgments about the appropriateness of linear models; (4) extend the laws of exponents to rational exponents, see structure in and create quadratic and exponential expressions, and solve equations, inequalities and systems of equations involving quadratic expressions; and (5) compare quadratic, linear, and exponential functions to model phenomenon. Students also identify the real solutions of quadratic equations as the zeroes of a related quadratic function and expand their experience to more specialized functions.

Geometry - MAT321/MAT322

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

CADR

Prerequisite

"C" or better in Algebra I preferred

Lab Fee

None

Homework

Daily, 30 Minutes

Materials Required

Scientific Calculator, Compass, Protractor, and Ruler

The fundamental purpose of this course is to formalize and extend students' geometric experiences from the middle grades. The course focuses on five critical areas: (1) establish triangle congruence based on rigid motions and formal constructions and solve problems and prove theorems about triangles, quadrilaterals, and other polygons; (2) build a formal understanding of similarity and apply similarity to right triangle trigonometry and the Pythagorean Theorem, and use the Laws of Sines and Cosines to find missing measures; (3) provide informal explanations of circumference, area, and volume formulas; (4) build on the Pythagorean Theorem to find distances and use a rectangular coordinate system to verify geometric relationships; and (5) compute and interpret theoretical and experimental probabilities of compound events and use probability to make informed decisions.

Algebra 2 - MAT261/MAT262

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

CADR

Prerequisite

"C" or better in Geometry preferred

Lab Fee

None

Homework

Daily, 30-45 Minutes

Materials Required

Graphing Calculator TI-84+

District-adopted curriculum: Discovering Advanced Algebra

Students extend their work with functions to include polynomial, rational, and radical functions. The course focuses on four critical areas: (1) multiply and divide polynomials, identify zeros of polynomials, including complex zeros of quadratic polynomials and make connections between zeros of polynomials and solutions of polynomial equations (including the fundamental theorem of algebra); (2) solve exponential equations with logarithms, explore transformation on graphs of diverse functions, and adjust the parameters of a variety of functions to model a situation; (3) identify different ways of collecting data (sample surveys, experiments, and simulations) and the role that randomness and careful design play in the conclusions that can be drawn; and (4) compute and interpret theoretical and experimental probabilities of compound events and use probability to make informed decisions.

Algebra 2 Honors – MAT271/MAT272

1 Credit / 1 Year – Grade 9, 10

CADR

Prerequisite

Algebra 1 and Geometry credits earned with a “B” grade or higher in BOTH classes preferred

Lab Fee

None

Homework

Daily, 30-45 Minutes

Materials Required

Graphing Calculator TI83+ or TI84+

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 – CTB141/CTB142

1 Credit / 1 Year – Grade 10, 11, 12

CADR (senior year)

Prerequisite

Algebra 1 and Geometry

Lab Fee

\$48

Homework

Daily, 30 minutes

Materials Required

Graphing Calculator

This class qualifies for Occupational Education 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 11, 12

CADR

Prerequisite

Teacher Placement

Lab Fee

None

Homework

Daily, 30-45 Minutes

Materials Required

Graphing Calculator TI-84+

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 students who earned at least a “B” in Algebra 2; permission by Algebra 2 teacher is required. This course does not meet the prerequisite for Calculus.

Foundations of Calculus - MAT541/MAT542

1 Credit / 1 Year – Grade 11, 12

CADR

Prerequisite

Credit earned in Math Analysis

Lab Fee

None

Homework

Daily, 45 minutes

Materials Required

Graphing Calculator TI-84+

Foundations of Calculus is designed for students who wish to continue studying higher-level mathematics in college. Topics covered include rationals, parametrics, 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 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.

Math Analysis - MAT511/MAT512

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

CADR

Prerequisite

Grade "B" or better in Algebra 2 or Algebra 3 with Trigonometry preferred

Lab Fee

None

Homework

Daily, 50-60 Minutes

Materials Required

Graphing Calculator TI-84+

Math Analysis lays the foundation for college level mathematics and is the culmination of the previous three years of study. Students learn to formalize mathematical language and use mathematical tools to analyze problems. Topics covered are trigonometry including graphing, applications and proving identities, formal study of functions, algebra and geometry of functions, exponential and logarithmic functions, data analysis, probability, conics, vectors, and matrices. This course requires excellent study and homework habits.

AP Statistics - MAT651/MAT652

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

The AP Statistics course is an excellent option for any secondary school student who has successfully completed a second year course in Algebra

Lab Fee

None

Homework

Daily, 1 Hour

Materials Required

Graphing Calculator TI-84+

AP Statistics introduces major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four major topics of the course are exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students work on projects involving gathering and analyzing real world data. Ideas and computations presented in this course have immediate connections with actual events. Use of the graphing calculator is an integral part of this course and its use is required on the AP test. This course prepares students for successful completion of the Advanced Placement examination in Statistics. Students may be asked to do out-of-class exam preparation. This is a year-long course; dropping at semester is highly discouraged. This is a rigorous college course; see AP description on page A3.

AP Calculus AB - MAT631/MAT632

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

Grade "B-" or better in both semesters of Math Analysis preferred

Lab Fee

None

Homework

Daily, 1 Hour

Materials Required

Graphing Calculator TI-84+

AP Calculus AB begins the study of Calculus of real-valued functions from a symbolic, numeric, graphical, and verbal approach. Content reflects the curriculum set by the College Board for AP courses as well as the material traditionally covered in the first two quarters of college Calculus including limits, derivatives, and integrals. Students are expected to apply what they have learned in a problem solving situation. This course prepares students for 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; please 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

Grade "B-" or better in AP Calculus AB preferred

Lab Fee

None

Homework

Daily, 1 Hour

Materials Required

Graphing Calculator TI-84+

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.

All science courses may be used to fulfill the science requirements for graduation. All courses are laboratory sciences in that a major component of the coursework is accomplished in the laboratory. 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. Students wishing the most complete background in the sciences for college preparation should consider completing the year-long courses in Biology, Chemistry and Physics. AP Physics may offer students an opportunity to earn college credit while in high school as part of the College in the High School partnership with Bellevue College (BC). All science elective courses require Biology as a prerequisite. The Science courses at Lake Washington High School begin with a foundational science literacy education in Physical Science or Biology. After Biology a student has several options and may choose the science courses most conducive to his or her educational goals, interests and aptitudes. Most science courses may be taken in any desired order, the exception being the Advanced Placement science courses.

Math levels are also important factors in the choice of science courses. See individual course descriptions for specific course prerequisites. 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.

Typical Science Course Sequences

Freshman	Sophomore	Junior	Senior
Biology	Chemistry or Physics	Chemistry, Physics or AP Physics	AP Science Course
Physical Science	Biology	Chemistry, Physics or AP Physics	Chemistry, Physics or AP Science Course
Physical Science	Biology	Chemistry or Physics	Elective Science
Physical Science	Biology	Elective Science	Elective Science

Physical Science - SCI121/SCI122

1 Credit / 1 Year - Grade 9

CADR

Prerequisite

None

Lab Fee

None

Homework

Daily, 30 Minutes

Physical Science is a year-long, inquiry-based lab class focused on exploring earth science, chemistry, physics and astronomy. Students read, write, and use technology to gather and process information from a wide range of print and electronic resources. Earth science uses the geological concepts of plate tectonics and the structure of the Earth to understand the geological phenomena particular to the Pacific Northwest. Chemistry focuses on the structure of the atom, organization of the periodic table, and the basics of chemical reactions. Physics focuses on Newton's Laws of Motion, Kinetic and Potential energy, and thermal energy. Astronomy examines the size, origin, and components of the universe, such as stars, galaxies, supernovae, neutron stars and black holes.

Biology - SCI221/SCI222

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

CADR

Prerequisite

Completion of Algebra 1

Lab Fee

None

Homework

Daily, 30 Minutes

In this laboratory science course, students study the biological earth as a system of many interacting parts and focus on the changes within and between these parts. This class focuses on the study of the cell, the molecular basis of heredity, biological evolution, interdependence of organisms, matter and energy, and organization in living systems. Students develop skills and concepts needed to analyze scientific issues.

Chemistry - SCI321/SCI322

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

CADR

Prerequisite

Biology, Geometry and Previous or Concurrent Advanced Algebra preferred

Lab Fee

\$15 (materials and supplies)

Homework

Daily, 30-40 Minutes

Chemistry is the study of matter. Laboratory activities include quantitative analysis of chemical reactions and their energy. Chemistry is a sequential college preparatory discipline that requires strong mathematics skills and allows students the opportunity to build problem solving and analytical thinking skills.

Physics - SCI421/SCI422

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

CADR

Prerequisite

Biology and Previous or Concurrent Algebra 2

Lab Fee

\$15 (equipment maintenance and purchase)

Homework

Daily, 30-40 Minutes

This course develops laboratory and reasoning skills to study Newtonian mechanics; 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.

AP Biology - SCI281/SCI282

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

Students should have successfully completed high school courses in Biology and Chemistry, or equivalent classes, and previous or concurrent enrollment in Advanced Algebra

Lab Fee

\$15 (materials and supplies)

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, physiology, 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 or equivalent class and Algebra 2

Lab Fee

\$25 (materials and supplies and off-campus field trip)

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

No prior course work in physics is necessary. Students should have completed Algebra 2 and be concurrently enrolled in Math Analysis or an equivalent math course. AP Physics 1 includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself.

Lab Fee

\$15 (equipment maintenance and purchase)

Homework

Daily, 45-60 Minutes

This advanced 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.

AP Physics 2 - SCI487/SCI488

1 Credit / 1 Year - Grade 11, 12

CADR

Prerequisite

Completion of Physics or AP Physics 1 and previous or concurrent enrollment in Math Analysis.

Lab Fee

\$15 (equipment maintenance and repair)

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.

Material Science Technology 1 - SC0241/SC0242

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

Meets both Occupational Education and Science graduation requirement

CADR, Tech Prep

Prerequisite

None

Lab Fee

\$60

Homework

Assigned as Needed

Come explore the “Study of Stuff.” Material Science Technology (MST) is a multidisciplinary hands-on approach to science that involves the study, design, exploration, and fabrication of materials: metals, ceramics, polymers, and composites. MST includes principles from chemistry, physics, engineering, and mathematics. MST maintains a science and technology focus, which teaches students to better understand the properties and uses of materials. Key features of MST include the ability to use materials to address environmental issues and to solve problems. This course can be used for lab science credit and offers students the opportunity to write a formal lab report. This course qualifies for science credit if a student has taken Biology and/or is currently enrolled in Biology.

AP Environmental Science - SC0541/SC0542

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

Meets both Occupational Education and Science graduation requirement

CADR, Tech Prep

Prerequisite

Previous Biology, Chemistry, or Physics

Lab Fee

\$15 (equipment and consumables for in class labs and field experiments including water testing, auto emission testing, and other lab activities)

Homework

1-3 Hours/Week

This class is designed to explore environmental issues as well as prepare students for the AP Environmental Science exam in a lab environment. Concepts include ecosystems measurements, human populations, pollution, energy use, and forestry issues. Ramifications and solutions to these problems are discussed.

Astronomy (Solar Systems) - SCI701

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

CADR

Prerequisite

Biology preferred

Lab Fee

\$25

Homework

Daily

Students will learn practical applications of Astronomy while deepening their understanding of the science. Some practical applications include how to navigate the night sky (basic constellations and planet identification), useful online and technological resources, the cause of the seasons, phases of the moon, and eclipses and asteroid impacts. Some astronomical history will also be covered 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 2 (Galaxies) - SCI705

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

CADR

Prerequisite

Biology preferred

Lab Fee

None

Homework

Daily

Students will examine the electromagnetic spectrum, galaxies, 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.

Marine Science 1 - SCI611

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

CADR

Prerequisite

Biology

Lab Fee

\$25 (materials, supplies and field trip)

Homework

Daily, 30 Minutes

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. Note: Marine Science 1 and 2 are separate courses and do not have to be taken in order.

Marine Science 2 - SCI615

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

CADR

Prerequisite

Biology

Lab Fee

\$25 (materials and supplies and field trip)

Homework

Daily, 30 Minutes

Students will learn how ocean water is circulated around the world. This semester course will focus on the following ecosystems: Salt Marshes & Estuaries, Kelp Forests, and Deep Oceans. Students will learn the key life/light zones, sea floor features, plankton, plants, and animals for each ecosystem. Students will examine the human impact of the Deep Oceans, including deep ocean mining, deep ocean drilling, and deep water cooling. Lab work will include simulations, use of microscopes, and at least one dissection. Note: Marine Science 1 and 2 are separate courses and do not have to be taken in order.

Zoology – SCI621

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

CADR

Prerequisite

Biology

Lab Fee

\$25 (materials and supplies and field trip)

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, studying live specimens, diagraming, and simple dissection. This course is meant to explore classification, 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 previous concepts from general biology. The lab fee includes an off-campus field trip and the purchase of specimens for observations and dissections, etc.

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

- Grade 9 - None; the graduating classes of 2018 and beyond will be required to take a social studies elective their senior year to satisfy the three year social studies requirement.
- Grade 10 – Modern World History or AP World History
- Grade 11 - US History or AP US History
- Grade 12 - Civics or AP US Government & Politics

Modern World History - SOC223/SOC224

1 Credit / 1 Year - Grade 10

CADR

Prerequisite

None

Lab 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 - SOC281/SOC282

1 Credit / 1 Year - Grade 10

CADR

Prerequisite

None

Lab 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 19 key concepts in six different chronological periods, from approximately 8000 B.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

Lab 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

Lab 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

Lab Fee

None

Homework

Intermittently, 30 minutes

This course focuses on the rights and responsibilities of U.S. citizenship, processes of the government and related issues. 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

Lab 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.

Ancient Civilizations – SOC801

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

CADR

Prerequisite

None

Lab Fee

None

Homework

2 – 3 hours per week

Ancient Civilizations courses provide a survey of the evolution of society from the ancient Middle East through Greek and Roman civilizations. Typically, in these courses, students study the rise and fall of civilizations and empires, with an emphasis on the legacies they provide to successive societies.

World Religions – SOC731

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

CADR

Prerequisite

None

Lab Fee

None

Homework

2 -3 hours per week

This course provides students the opportunity to study the beliefs of several of the world's major faiths and to examine the impact these religions have had on our world. It is a lecture and discussion class in which students will regularly take notes and participate in discussions. A few films may be shown. Students will be introduced, when available, to a number of guest speakers representing various faiths. Students will be reading selected excerpts from the sacred texts and will be expected to discuss their reactions. The faiths studied will normally include Hinduism, Buddhism, Judaism, Christianity, and Islam. We will, when possible, look at traditional faiths possibly including various indigenous faiths; Taoism, Confucianism, Shinto, and Baha'i. As a final unit, atheism will also be examined, as well as a short look at the social and cultural impacts of religion including its negative impacts.

Economics - SOC681

0.5 Credit / 1 Semester - Grade 11, 12

CADR

Prerequisite

None

Lab Fee

None

Homework

Intermittently

This elective course is designed to help students understand money! We will cover production, consumption, and distribution of goods and services at the local, national, and global level; interactions among supply, demand, and price; government finances and influence on the economy; and personal financial literacy. Learn to think like an economist! This course counts for a social studies elective credit.

Psychology – S00371

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

Meets both 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 - S00381/S00382

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

Meets both Occupational Education and Social Studies graduation requirement

Prerequisite

None

Lab 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.

Current World Issues - SOC721

0.5 Credit / 1 Semester - Grade 12

CADR

Prerequisite

None

Lab Fee

None

Homework

Twice a month for current events; otherwise it is intermittent

This elective course is designed to help students understand what is going on in the world today. Looking locally, nationally, and internationally; how are the events taking place right now going to affect their lives? What role do/can they play in these events? Why are these events happening? What led up to this? These are types of questions that will be explored and analyzed throughout the course. This course counts for a social studies elective credit.

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 foreign 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

Lab Fee

Student Workbook Fee

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 1 - FO0011/FO0012

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

Meets both Occupational Education and World Language graduation requirement

CADR, Tech Prep

Prerequisite

None

Lab 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. 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

Lab Fee

Student Workbook Fee

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 2 - FO0021/FO0022

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

Meets both Occupational Education and World Language graduation requirement

CADR, Tech Prep

Prerequisite

Successful completion of level 1

Lab 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.

Languages Level 3

American Sign Language 3 – FO0031/FO0032

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

Meets both Occupational Education and World Language graduation requirement

CADR, Tech Prep

Prerequisite

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

Lab 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. Students will explore ASL related careers. Deaf culture will be explored in greater depth. Students should expect to use ASL for most class communications.

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

Lab Fee

Student Workbook Fees Vary

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.

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

Lab Fee

Student Workbook Fee

Homework

2-3 Hours/Week

Advanced foreign 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.

Languages Levels 5

French 5 - FOR151/FOR152

Spanish 5 - FOR551/FOR552

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

CADR

Prerequisite

Successful Completion of Level 4 Language

Lab Fee

Student Workbook Fee

Homework

2-3 Hours/Week

Students refine communication skills by using authentic cultural material, films, videos, magazines, newspapers, etc. Students live an immersion environment using their language skills to study literature, history, geography, art and current events.

Advanced Placement (AP)

AP Spanish Language - FOR571/FOR572

AP French Language - FOR171/FOR172

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

CADR

Prerequisite

Teacher recommendation

Lab Fee

Student workbook

Homework

5-6 hours per week

The rigor of this course is 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 and fluency 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.

Peer Tutor-Transition Students (Student Aides for Students with Special Needs) - ELE161/ELE162

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

Prerequisite

Transition Teacher Permission

Lab Fee

None

Homework

None

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

Teacher Assistant/Office Aides

(See Counselor)

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

Prerequisite

Teacher/Secretary Approval

Lab Fee

None

Homework

None

Teacher/office assistants (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 shall be 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 – ELE361/362, ELE363/364

1 Credit / 1 Year – Grade 9, 10

Prerequisite

Teacher Placement

Lab Fee

None

Homework

None

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and 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 AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students will increase awareness of their personal contributions to their learning, as well as their 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.

District Graduation Requirements: Classes of 2017-2020

Credit Requirements at a Glance

	Classes of 2017-2018	Classes of 2019 & Beyond
Subject	Credits	Credits
Language Arts	4.0	4.0
Science	2.0*	3.0^
Mathematics	3.0**	3.0 ⁺
World Language (same language)	2.0***	2.0 ^{^^} 2 can be (PPR)
Social Studies	3.0	3.0
Arts	1.0	2.0 ^{^^} 1 can be (PPR)
Physical Education (P.E.)	1.5 ^{^^}	1.5 ^{^^}
Health	0.5	0.5
Occupational/Career & Technical Education	1.0	1.0
Electives	4.0	4.0
Total	22.0	24.0

* At least one laboratory science

^ 2.0 lab science, 1.0 non-lab science

** Typically, Algebra I, Geometry, Algebra II. A student may elect to pursue a third credit of high school-level mathematics other than Algebra II, under certain conditions

⁺ 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 pursue alternate course work, other than World Language, under certain conditions.

^{^^} 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

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

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 pass all required and elective courses. If you are thinking about taking a class for credit in a non-district school and applying that credit for graduation, check with your school. Your school must approve the course prior to your enrollment to allow you to apply it toward graduation.

2. Complete a High School and Beyond Plan

To graduate, students must develop a plan on how they will meet the high school graduation requirements and what they will do following high school. A student's plan is started in eighth grade and revised as he/she moves forward, and includes the classes needed to prepare for a two- or four-year college, apprenticeship, career or technical school, certificate program or the workforce. Each school district determines the guidelines for the high school and beyond plan. Questions about the guidelines should be directed to the high school or school district office.

3. Earn a CAA/CIA

Students must pass state exams, or state-approved alternatives, to be eligible to graduate and earn a Certificate of Academic Achievement (CAA). Students receiving special education services may earn a CAA or a Certificate of Individual Achievement (CIA).

High School Assessment Graduation Requirements

High school students must pass tests, or state-approved alternatives, to be eligible to graduate. Required tests vary by expected year of graduation. All students must pass the Smarter Balanced Assessment (SBA) in English/language arts and the End of Course (EOC) in Biology. Students in the class of 2018 must also pass either the SBA in math or the EOC in math. Students in the class of 2019, 2020 and 2021 must also pass the SBA in math.

There will be two different minimum scores for each SBA. Each score level is set for a different purpose.

1. **Exit Exam Score+ – Students must meet the exit exam minimum score to graduate.**
2. **College and Career-Ready Score –** The college and career-ready scores will be used for students in grade 11 for higher education placement decisions for students and federal accountability purposes for the district.

Tests Required for Graduation		
Class of	Subject	Test
2018	ELA	Smarter Balanced ELA test (exit exam cut score)+
	Math	Choose 1: <ul style="list-style-type: none"> • Algebra 1/Integrated Math 1 EOC exam • Geometry/Integrated Math 2 EOC exam • Smarter Balanced math test (exit exam cut score)+
	Science	Biology EOC
2019, 2020 and 2021	ELA	Smarter Balanced ELA test (exit exam cut score)+
	Math	Smarter Balanced math test (exit exam cut score)+
	Science	Biology EOC++

+ Students must meet the exit exam minimum score to graduate.

++ Until Next Generation Science Standards (NGSS) are implemented and assessed, students will be required to pass the biology EOC. After NGSS are implemented and assessed, students will be required to pass a comprehensive NGSS Test. The timeline for NGSS is being developed.

Higher Education Placement Decisions

The six public baccalaureate institutions and the community and technical college system in Washington have agreed to use SBA scores for placement purposes. Students who achieve the college and career-ready minimum score on the 11th grade SBA may be admitted into entry-level college math and English courses without further placement testing. This agreement applies to the graduating classes of 2016 through 2018. It may be renewed or modified in the future.

Advanced Placement (AP®) Courses and Exams

Are you ready for a unique learning experience that will help you succeed in college? Through AP's college-level courses and exams, you can often earn college credit and advanced placement and stand out in the admission process. These courses are typically offered in 10th, 11th and 12th grade, however some are open to earlier grades.

What's an AP class like?

There's more to AP than you ever imagined. Drive the discussion, discover for yourself how things work and get ready for college. With AP, you don't have to wait for college to start contributing, because AP is college in a high school setting. Choose from AP courses in subjects that directly connect you to what you want to do now and with your future. They not only give you the knowledge and skills to help you at your college or university, but scoring well on the AP Exam can get you credit and placement there too.

In AP's immersive courses, you don't just read about things, you get to learn how things really work. You won't just be memorizing facts and figures that you'll forget moments after the test. In AP you'll tackle concepts and do things that will stick with you long after the class is through. AP teachers' hands-on approach to learning takes you out of the typical classroom and into an experience that will prepare you for college and beyond. You'll be asked to add your unique perspective because the dialog and debate contributes to the knowledge that's shared by everyone. You'll help drive the class and sharpen your skills by learning to express yourself before you get to college. With AP, you'll explore new ideas side-by-side with your classmates and AP teachers.

When you get to college, you'll be asked to manage your own time and study habits, while tackling challenging problems and subject areas. This is what you get when you take an AP class, with the added benefit of your AP teacher helping you throughout the journey. AP courses let you see and feel what college work is like, while receiving the support to help you get there. You can set bigger goals for yourself, and find yourself doing things you never thought possible. By doing college-level work in high school, AP students can test themselves and take risks in a familiar setting, gaining confidence and a rewarding experience in addition to college credit and placement.

How Do I Enroll?

Once you've decided to take the AP challenge it's easy to enroll. Find an AP Course in the catalog. Talk to the AP teacher or the AP Coordinator or your counselor about the course you want to take. Discuss the course's workload and any preparation you might need. Visit www.collegeboard.org.

Career and Technical Education (CTE)

Career and Technical Education supports and guides all students, whether you need or want to go straight to work following graduation, or you already know that you are headed for a two- or four-year college. Educators, guidance counselors and parents can use CTE to help any student plan ahead, for two- or four-year college degrees, for industry certifications or for registered apprenticeship options. CTE can help students get a head start on earning college credits and specific options sometimes provide immediate career preparation as well.

Career Counseling and Exploration

Career exploration and life skills planning, form the foundation of Career and Technical Education programs. The CTE program and its career specialists and tools can help you create a very strong and balanced plan. They can assist you with career interest inventories and exploration of careers, college selection and applications, and access to industrial training and apprenticeship options.

Career and Technical Education (CTE) Classes

Career and Technical Education provides you with the technical skills and academic knowledge you will need to prepare for life after high school—future employment and/or a successful transition to post-secondary education. You will prepare for your future by exploring careers. Acquire job specific skills through technical training, hands-on learning and participation in work-based learning activities. While obtaining advanced technical training you can receive college credit while in high school, saving you time and money.

CTE classes are offered in many different fields, and many of them offer you an opportunity to earn college credit now, through Tech Prep and other institutions. Examples include Firefighting, Forensic work, Culinary, Environmental Science and AP Environmental Science, Health, Nursing, Psychology and AP Psychology, Computer Programming and AP Computer Science, Graphic Arts and AP Studio Art, Engineering, Mechanical Engineering, Architectural Drafting, Business and Marketing, Finance and Economics, and AP Economics. These classes integrate academics with technical skill development to help prepare students for higher-level courses in college. Middle schools and high schools offer a wide range of CTE classes, so check school course catalogs to find actual offerings in schools.

Accessing College Credit through Tech Prep

Many of these programs are also eligible for college credit through Tech Prep or other postsecondary institutions, and provide/lead to industry certifications. Tech Prep classes are open to students in grades 9 through 12 and offer college credit at a much reduced cost, as well as high school credit. All Tech Prep classes are CTE classes and all have established relationships with local community and technical colleges. Students taking a level one or level two CTE Tech Prep class in high school can enter the level three or level four class in the same discipline at the local two-year college after they gradu-

ate from high school. Some Tech Prep students finish their entire first year of college while still in high school, and save a lot of tuition money in the process.

Not all dual credit CTE and Skills Center classes are in the Tech Prep family. For example, CTE Advanced Placement classes offer dual credit but are not all offered as Tech Prep classes. Also you can take dual credit classes with the University of Washington’s College in the High School program in Computer Science and Engineering at some high schools

Visit the Tech Prep College Connections website at www.techprepcc.org for more information.

Using CTE Equivalency Courses to Meet Two Graduation Requirements

Lake Washington School District has a process for determining and awarding equivalency for graduation requirements to courses that cover standards in both Occupational Education and core academic subject area requirements. Students use these CTE equivalency courses to check off graduation requirements for **both** the Occ. Ed. and the core academic area. These courses can be identified in the course catalog looking at the last letter in the course code. For example, a CTE course coded ARO meets both the high school graduation credit requirement for Art and Occupational Education.

However the student is awarded credit toward the total credits required for graduation once.

Course letter code	Subject area requirement covered	Occupational Ed. area covered
ARO	Art	CTE
DRO	Art	CTE
ELO	Elective	CTE
FOO	World Language	CTE
HEO	Health	CTE
MAO	Math	CTE
PEO	Fitness	CTE
SCO	Science	CTE
SOO	Social Studies	CTE

WANIC Skill Center Programs (www.wanic.org)

WANIC Skill Center offers high school programs that serve multiple school districts and delivers industry-defined Career and Technical Education programs in fields ranging from firefighting and police work to computer game design and healthcare. Courses are available to prepare for careers in Agriculture, Science & Natural Resources; Art, Media, Communication & Design; Business, Marketing & Management; Engineering, Science & Technology; Health & Human Services; Information Technology. Some courses may also be available in the summer.

Skill Center classes are offered at many local high schools in our area, at DigiPen Institute of Technology, and at the Lake Washington Institute of Technology. Many Skill Center pro-

grams are offered both during and after the regular school day. Students may attend their home high school for part or all of their day and also attend Skill Center programs to earn additional high school credits at no cost to the student.

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 pages A7-A8 for more information about college admission standards and CADR courses.

High School and Beyond Plan

To graduate, students must develop a plan on how they will meet the high school graduation requirements and what they will do following high school. A student’s plan, which ideally should be started in eighth grade and revised as he/she moves forward, should include the classes needed to prepare for a two- or four-year college, apprenticeship, career or technical school, certificate program or the workforce. Each school district determines the guidelines for the high school and beyond plan. Questions about the guidelines should be directed to the high school or school district office.

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 6-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 a 7th 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.

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 A2 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.

Tesla STEM School Signature Programs Open to High School Students

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.

As part of the design plans for the TESLA STEM Choice High School, eleventh and twelfth grade students who attend one of the district's comprehensive high schools have an opportunity to enroll in one of the Signature Programs at the TESLA STEM High School.

The TESLA STEM High School Signature programs available to 11th graders are:

- Environmental Engineering and Sustainable Design
- Forensics/Psychology

The TESLA STEM High School Signature programs available to 12th graders are:

- Biomedical Engineering
- Advanced Physics/Global Engineering

There are 25 openings in each of the school's Signature Programs. Students will attend these three-period blocks along with full-time TESLA STEM High School students. Students are responsible for their own transportation to and from the TESLA STEM High School. If more than 25 students apply for each lab, 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 TESLA 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 TESLA STEM High School Signature Program, and/or complete other courses through Running Start.

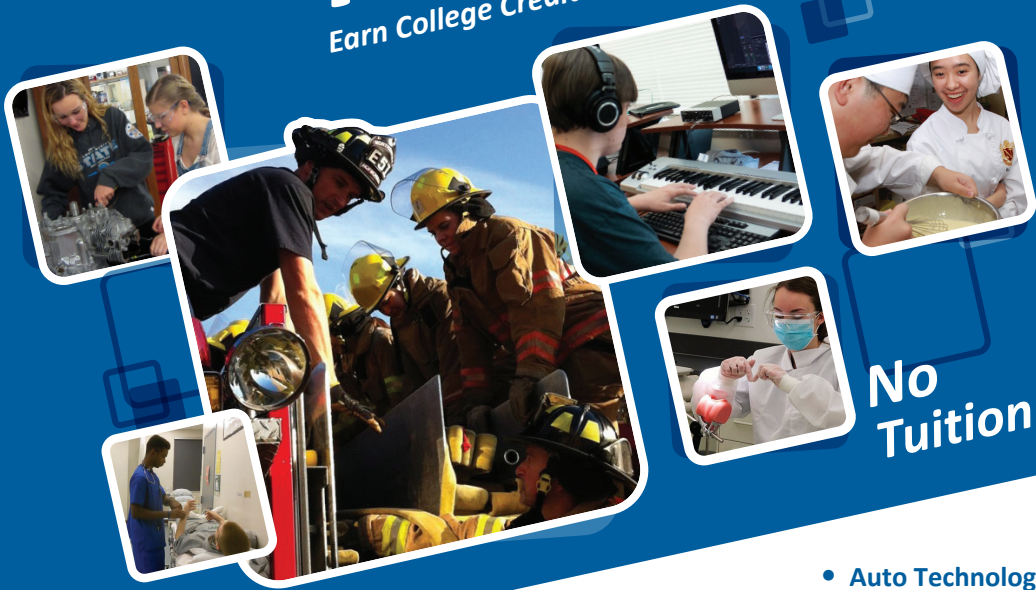
Learn more about the TESLA STEM High School Signature Programs as well as the application process on the TESLA STEM High School website: www.lwsd.org/school/stem.

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



Discover —the— Possibilities

Earn College Credit Through the Tech Prep Program



No
Tuition!

—APPLY ONLINE —
WANIC.ORG
11605 132nd Avenue, Ste. A108
Kirkland, Washington 98034
T: 425.739.8400 | F: 425.739.8398
E: wanic@lwsd.org



- DigiPen Art & Animation
- DigiPen Music Engineering & Sound Design
- DigiPen Robotics & Future Technology
- DigiPen Video Game Programming

- Auto Technology
- CISCO Networking
- Composite Engineering & Manufacturing
- Culinary Arts
- Dental Careers
- Fire & EMS
- Health Science Careers (Nursing)
- Medical Careers
- Sports Medicine

Washington Network for Innovative Careers

Northeast King County Skill Center • Serving Students From:
Bellevue School District • Issaquah School District • Lake Washington School District
Northshore School District • Riverview School District • Snoqualmie Valley School District

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

Overview of Minimum College Admission Standards

Revised 09/2014

The Washington Student Achievement Council Sets Minimum Standards

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

Freshmen Admission Policy

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

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

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

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.

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)

WSAC Document-Revised 09/2014

continued on next page

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 – 2 credits of laboratory science are required for admission to public baccalaureate institutions beginning summer of 2010. 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 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 09/2014

Lake Washington High School

Christina Thomas - Principal
12033 N.E. 80th Street
Kirkland, WA 98033
(425) 936-1700
www.lwsd.org/lwhs

Lake Washington School District

Board of Directors:

Eric Laliberte – Director, District One
Christopher Carlson – Director, District Two
Nancy Bernard – Director, District Three
Mark Stuart – Director, District Four
Siri Bliesner – Director, District Five

www.lwsd.org

