

# Lake Washington High School



**2019-2020**  
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LW is a school with a history of excellence. Choosing the right courses that align to your future is an important step in achieving your goals. We encourage you to think deeply about your choices and if necessary plot out a multi-year plan. We continually revise our course options to meet student interest. This year there are many new and exciting courses. Courses are run based on student interest so not all courses in the catalog will have enough interest to be on the actual schedule. Please take the time to read the course descriptions and requirements to select the courses that are appropriate. There are few options for changing after your selections have been made; so choose wisely.



**Counseling Center Telephone:**

425-936-1702

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

**Counselors:**

Lenore Gallucci  
Cameron Miller  
Toby Doyle  
Taylor Reuhl  
Sara Burdick  
Marilyn Hargraves

**Counseling Staff:**

Counseling Secretary/Registrar: Sarah Mebust  
Psychologist: Allison Henry  
Career Specialist: Melanie Kristjanson  
Data Processor: Angela Jalobeanu  
BECCA Specialist: 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](http://actstudent.org)
- Scholastic Achievement Test (SAT) [collegeboard.org](http://collegeboard.org)
- SAT II (Subject Tests) [collegeboard.org](http://collegeboard.org)

**Achievement & Aptitude Testing:**

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

**Guidance:**

- High School & Beyond Plan/Xello

**ACT/SAT**

Registration materials for national college entrance tests are available in the College and Career Center. Students are encouraged to register online at [www.actstudent.org](http://www.actstudent.org) for ACT or [www.collegeboard.org](http://www.collegeboard.org) 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/join-armed-forces/asvab](http://www.military.com/join-armed-forces/asvab)).

**College/University Visits**

Throughout the school year, college/university representatives schedule visits at the College & Career Center to speak with students 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 Xello. 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 [wanic.lwsd.org](http://wanic.lwsd.org).

**Scholarships**

Scholarships are received throughout the year and posted on the LWSH College & Career Center [PowerSchool Learning page](#). A weekly scholarship bulletin is printed and copies are available in the College and Career Center.

# COURSES by department

<b>Career &amp; Technical Education – CTE (p. 7-14)</b>	<b>Grade</b>
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	9, 10, 11, 12
AP Environmental Science	10, 11, 12
Applied Photography 1	9, 10, 11, 12
Applied Photography 2	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 Applications & Microsoft Certification	9, 10, 11, 12
Computer Integrated Manufacturing	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
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
Financial Algebra	11, 12
Marketing 1	9, 10, 11, 12
Marketing Operations	10, 11, 12
Personal Finance	10, 11, 12
Psychology	9, 10, 11, 12
Robotics 1	9, 10, 11, 12
Robotics 2	10, 11, 12
Social Media Marketing	9, 10, 11, 12
Sports & Entertainment Marketing	9, 10, 11, 12
Urban Gardening	9, 10, 11, 12
Video Production	9, 10, 11, 12
Video Production 2	10, 11, 12
Yearbook	9, 10, 11, 12
<b>English (p. 15-18)</b>	<b>Grade</b>
AP English Language and Composition	11
AP English Literature and Composition	12
Creative Writing 1	10, 11, 12
English 10 (Sophomore English)	10
English 10 Honors (Sophomore English)	10
English 11 (Junior English)	11
English 12 (Senior English)	12

English 9 (Freshman English)	9
English 9 Honors (Freshman English)	9
Fantasy and Sci-Fi Literature	9, 10, 11, 12
Film as Literature	11, 12
Monsters in Literature	11, 12
Multicultural Literature	11, 12
Mythology	9, 10, 11, 12
Poetry	10, 11, 12
UW Composition: Exposition & Writing in Comparative Literature (UW in the High School)	11, 12
UW Composition: Composition Literature and Writing in Comparative Literature (UW Comp & Lit)	11, 12
<b>Fine Arts – Visual (p. 19-21)</b>	<b>Grade</b>
Applied Photography 1	9, 10, 11, 12
Applied Photography 2 and 3	10, 11, 12
Art 1 (Intro. to Drawing)	9, 10, 11, 12
Art 2 (Intro. to Painting)	9, 10, 11, 12
Art 3 (Int. Drawing & Painting)	10, 11, 12
Art 4 (Adv. Drawing & Painting)	10, 11, 12
AP Studio Art	10, 11, 12
Ceramics/Pottery 1	9, 10, 11, 12
Ceramics/Pottery 2, 3 and 4	10, 11, 12
Digital Design 1	9, 10, 11, 12
Engineering Design	9, 10, 11, 12
Yearbook	9, 10, 11, 12
<b>Fine Arts - Music Instrumental (p. 21-23)</b>	<b>Grade</b>
Chorus 1 (Chorale)	9, 10, 11, 12
Chorus 2 (Lyrica)	10, 11, 12
World Drumming	9, 10, 11, 12
Film Music	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)	9
Orchestra 2 (Chamber)	10, 11, 12
Piano 1	9, 10, 11, 12
Piano 2	9, 10, 11, 12
Symphonic Band	9, 10, 11, 12
Wind Ensemble	10, 11, 12

# COURSES by department

<b>Fine Arts – Theater (p. 24)</b>	<b>Grade</b>
Drama 1	9, 10, 11, 12
Drama 2	9, 10, 11, 12
Production Workshop (Tech Theater Perf & Prod)	9, 10, 11, 12
<b>Health/Fitness (p. 25-26)</b>	<b>Grade</b>
Health 1	9
Lifetime Fitness	9, 10, 11, 12
Physical Ed 2 (Healthy Lifestyles)	9 (Requirement)
Racquet & Net Sports	9, 10, 11, 12
Recreational Sports	9, 10, 11, 12
Sports Medicine	9, 10, 11, 12
Team Sports	9, 10, 11, 12
Walking and Yoga	9, 10, 11, 12
Weight Training 1	9, 10, 11, 12
Weight Training 2	10, 11, 12
<b>Mathematics (p. 27-30)</b>	<b>Grade</b>
Algebra 1	9
Algebra 2	9, 10, 11, 12
Algebra 2 Honors	9, 10
Algebra 3 with Trigonometry	10, 11, 12
AP Calculus AB	11, 12
AP Calculus BC	11, 12
AP Statistics	11, 12
Financial Algebra	11, 12
Geometry	9, 10, 11
Foundations of Calculus	11, 12
Math Analysis	10, 11, 12
Math Seminar 1	9, 10, 11, 12
Math Seminar 2	9, 10, 11, 12
Statistics Through Applications	10, 11, 12
<b>Science (p. 31-35)</b>	<b>Grade</b>
Accelerated Chemistry	10, 11, 12
Anatomy and Physiology - Movement & Transport	10, 11, 12
Anatomy and Physiology - Nerves & Nutrients	10, 11, 12
AP Biology	11, 12
AP Chemistry	11, 12
AP Computer Science A	10, 11, 12
AP Computer Science Principles	9, 10, 11, 12
AP Environmental Science	10, 11, 12
AP Physics 1	10, 11, 12
AP Physics 2	11, 12
Astronomy - Stars	10, 11, 12
Astronomy - Solar System	10, 11, 12
Biology in the Earth System	9
Biology in the Earth System Honors	9
Chemistry in the Earth System	10, 11, 12
Chemistry in the Earth System Honors	10, 11, 12

Computer Science and Engineering	10, 11, 12
Culinary Arts 1	10, 11, 12
Culinary Arts 2	10, 11, 12
Genetics	10, 11, 12
Marine Science - Climate Change	10, 11, 12
Marine Science - Human Impact	10, 11, 12
Meteorology	10, 11, 12
Physics in th e Universe	10, 11, 12
Zoology	10, 11, 12
<b>Social Studies (p. 36-38)</b>	<b>Grade</b>
Ancient Civilizations	9
AP Economics	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	9, 10, 11, 12
<b>World Languages (p. 39-40)</b>	<b>Grade</b>
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
Spanish 1	9, 10, 11, 12
Spanish 2	9, 10, 11, 12
Spanish 3	9, 10, 11, 12
Spanish 4	9, 10, 11, 12
<b>Additional Course Choices</b>	<b>Grade</b>
AVID	9, 10
AP Capstone 1 (AP Seminar)	10, 11
AP Capstone 2 (AP Research)	11, 12
ELL Beginning, Intermediate, Advanced	9, 10, 11, 12
Leadership 1	9, 10, 11, 12
Leadership 2	9, 10, 11, 12
Peer Tutor-Transition Students	9, 10, 11, 12
Teacher Assistant/Office Aides	9, 10, 11, 12

### Academic Load

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

### Credit Replacement Policy

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

### Online Coursework Policy

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

### Homework Policy

The Lake Washington High School staff believes that homework is an important and valuable extension of classroom instruction. The amount of time spent on homework varies depending upon the student’s ability and the nature and difficulty of the task. Students are responsible for developing skills and habits that allow them to become more involved in their own learning. To this end, students are expected to complete all homework assignments in the manner prescribed and within the time allowed. Students are encouraged to regularly visit Skyward/PowerSchool to check their progress as a way to track and remember assignments and due dates. Parents can participate in their student’s educational development by providing an atmosphere conducive to learning and by supervising homework activities. Based on the schedules of average Lake Washington High School students, all students should plan to spend a minimum of two hours per night to accomplish daily homework.

### Honors Class

An honors class provides an opportunity for a student to examine a subject in more depth, both in content and analysis of subject matter. Honors classes challenge students to high levels of thinking and learning.

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

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

### AP Classes

See description on page A2.

### Student-Initiated Schedule Changes

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

Acceptable reasons include:

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

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

### Schedule Changes – Transcript Policy

All changes will occur during the advertised schedule change adjustment period. “W” will be assigned for courses dropped after the schedule change adjustment period has ended. After the third week, an “F” grade may be posted on the transcript. A change may be granted for a move up or down in the course level if initiated by the student’s teacher. However, students should be aware that their transcripts will reflect the original course with a “W” grade (non-credit bearing, no effect on GPA), 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 for being a TA. Credit of .5 or .25 value (depending on start date) will be granted for each semester of successful TA course completion. A “Pass/No Credit” grade is given.

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

## **Urban Gardening – CTF551**

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

### **Prerequisite**

None

### **Course Fee**

\$20

### **Homework**

As needed

### **Course Description**

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

## **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, CTE Dual Credit**

### **Prerequisite**

None

### **Course 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**

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

Meets both Occupational Education and Art graduation requirement

### **CADR, CTE Dual Credit (Applied Photography 2 only)**

### **Prerequisites**

Applied Photo 2: Applied Photo 1

### **Course 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 - AR0341/AR0342**

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

Meets both Occupational Education and Art graduation requirement

### **CADR**

### **Prerequisite**

Art 1 & 2

### **Course Fee**

\$40 per semester (materials and supplies)

### **Homework**

6+ Hours /Week

This year-long class prepares students to submit either an AP Drawing or 2D Design Portfolio in early May. Students will create a portfolio containing a minimum of 15 works of art that reflect the student's area of interest, these images will be submitted to the AP Board digitally (60% of exam score). In addition, five physical works of art will be sent to the AP board for examination and review (40% of exam score). Though there is no written exam, students are required to reflect upon their processes and ideas. Artistic integrity is a requirement and all works must be original. Copying another artist's work, including images found on the web is considered plagiarism. The overall expectation is that students work beyond mere duplication to generate creative and unique imagery. The expectation is that students work as an artistic community to support each other in inquiry-based learning, sustained investigation of materials, processes, and ideas through practice, experimentation, and revision.

## 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

### Course 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 - ARO201/ARO202

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

Meets both Fine Arts and Occupational Education graduation requirement

### Prerequisite

None

### Course Fee

\$20

### 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 – ARO203/ARO204

1 Credit / 1 Year – Grade 10, 11, 12

Meets both Fine Arts and Occupational Education graduation requirement

### Prerequisite

Completion of Video Production 1

### Course Fee

\$20

### 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

### CTE Dual Credit

### Prerequisite

None

### Course Fee

\$35

### Homework

2-4 hours dependent upon our production cycle

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

## Marketing

### Marketing 1 - CTB711/CTB712

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

### CTE Dual Credit

### Prerequisite

None

### Course Fee

\$38

### Homework

As Needed

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



## Entrepreneurship - CTB761/CTB762

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

### CTE Dual Credit

#### Prerequisite

Marketing 1

#### Course 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

### CTE Dual Credit

#### Prerequisite

Teacher permission

#### Course Fee

\$38

#### Homework

As Needed

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

## Social Media Marketing - CTB735

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

#### Prerequisite/Threshold

None

#### Course Fee

None

#### Homework

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

### Course Description

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

## Fashion Marketing & Design - CTB721

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

### CTE Dual Credit

#### Prerequisite

None

#### Course 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

### CTE Dual Credit

#### Prerequisite

None

#### Course Fee

\$38

#### Homework

Yes

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

## Computer Applications and Microsoft Certification - CTA571

.5 Credits/1 Semester – Grades 9, 10, 11, 12  
College or American Council on Education Credit Available

### CTE Dual Credit

#### Prerequisite/Threshold

None

#### Homework

As needed

Discovering the usability and function of the Microsoft Office Suite (Word, PowerPoint, Excel) is the focus of this class. Additional topics will include keyboarding, Internet safety, search skills, and digital etiquette. By the end of the course, students will take the Microsoft Office Suite Certification Exams (MOS). A MOS certification helps validate an individual's skill in using Microsoft Office 2016 and meets the demand for the most up-to-date skills on the latest Microsoft technologies. Students will be able to create, enhance and customize complex documents; share and publish documents; create effective presentations; enter, analyze and manipulate spreadsheet data and create and manipulate databases. The course may be taken a second time for additional (Access, Outlook) and expert-level certifications with teacher approval.

## Personal Finance - CTB811

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

### CTE Dual Credit

#### Prerequisite

None

#### Course Fee

\$10

#### Homework

As Needed

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

## Technology

### Engineering Design - ARO211/ARO212

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

Meets both Occupational Education and Fine Art graduation requirement

### CTE Dual Credit

#### Prerequisite

None

#### Course Fee

\$20

#### Homework

As Needed

This introductory class focuses on the application of design principles and process. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

### Engineering 2 - CTT321/CTT322

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

#### Prerequisite

Engineering Design

#### Course Fee

\$20

#### Homework

As Needed

This course expands the STEM concepts and knowledge base learned in Engineering Design 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

#### Prerequisite

None

#### Course Fee

\$45

#### Homework

As Needed

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

## Robotics 2 - CTT453/CTT454

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

### Prerequisite

Robotics 1

### Course Fee

\$60

### Homework

As Needed

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

## Computer Integrated Manufacturing - CTT341/CTT342

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

### Course Fee

\$60

### Course Description

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

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

## Computer Science - CTA501

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

### CTE Dual Credit

### Prerequisite

None

### Course Fee

None

### Homework

As Needed

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

## Computer Science and Engineering - SC0581/SC0582

1 credit / 1 year – Grade 10, 11, 12

Meets both Occupational Education and Science graduation requirement

### CTE Dual Credit

### Prerequisite

Algebra 1

### Course 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 10, 11, 12

Meets both Occupational Education and Science graduation requirement

### CADR (senior year), CTE Dual Credit

### Prerequisites

Algebra 2

### Course Fee

None

### Homework

Daily 30-60 minutes

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

## **AP Computer Science Principles - SC0863/SC0864**

**1 credit/1 year – Grade 9, 10, 11, 12**

Meets both Occupational Education and Science graduation requirement

### **CADR (senior year), CTE Dual Credit**

#### **Prerequisites**

Geometry

#### **Course Fee**

None

#### **Homework**

Daily 15-30 minutes

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

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

## **AP Environmental Science - SC0541/SC0542**

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

Meets both Occupational Education and Science graduation requirement

### **CADR, CTE Dual Credit**

#### **Prerequisite**

Previous Biology, Chemistry, or Physics

#### **Course Fee**

None

#### **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/CTB832**

(See Career Center)

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

#### **Prerequisite**

See Course Description Below

#### **Course 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.

## **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. CTE Dual Credit allows high school students to earn college credit for their high school Career & Tech Education classes while learning important job skills.

### **Culinary Arts 1 - SC0425**

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

Meets both Occupational Education and Science graduation requirement

#### **CTE Dual Credit**

#### **Prerequisite**

None

#### **Course Fee**

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

#### **Homework**

As Needed

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

## **Culinary Arts 2 - SC0427**

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

Meets both Occupational Education and Science graduation requirement

### **CTE Dual Credit**

#### **Prerequisite**

Culinary Arts 1

#### **Course Fee**

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

#### **Homework**

As Needed

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

## **Culinary Arts & Catering - CTP551/CTP552**

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

Meets both Occupational Education and Science graduation requirement

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

### **CTE Dual Credit**

#### **Prerequisite**

Culinary Arts 1 and 2 and Teacher Permission

#### **Course Fee**

Food Handler Permit Paid at Exam

#### **Homework**

As Needed

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

## **Financial Algebra – CTB141/CTB142**

**1 Credit / 1 Year – Grade 11, 12**

### **CADR (senior year)**

#### **Prerequisite**

Algebra 1 and Geometry

#### **Course Fee**

None

#### **Homework**

Daily, 30 minutes

#### **Materials Required**

Graphing Calculator

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

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

## **Child Psychology - CTP341**

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

### **CTE Dual Credit**

#### **Prerequisite**

None

#### **Course 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

#### **Course Fee**

None

#### **Homework**

Daily, 1 hour

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

## **American Sign Language 1 - F00011/F00012**

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

Meets both Occupational Education and World Language graduation requirement

### **CADR, CTE Dual Credit**

#### **Prerequisite**

None

#### **Course Fee**

None

#### **Homework**

2-3 Hours/Week

American Sign Language is the third most spoken language in the United States. This beginning course introduces students to the remarkable visual language and culture of the deaf. It provides insights into deaf cultural values, deaf attitudes, the deaf community, and historical aspects of the language. This class is presentation based and taught in the target language. Two years of American Sign Language satisfies the World Language entrance requirement for

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

## **American Sign Language 2 - F00021/F00022**

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

Meets both Occupational Education and World Language graduation requirement

### **CADR, CTE Dual Credit**

#### **Prerequisite**

Successful completion of level 1

#### **Course Fee**

None

#### **Homework**

2-3 Hours/Week

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

## **American Sign Language 3 – F00031/F00032**

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

Meets both Occupational Education and World Language graduation requirement

### **CADR**

#### **Prerequisite**

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

#### **Course Fee**

None

#### **Homework**

30 minutes

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

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

### Honors English Courses

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, or UW Composition
- 12th: English 12 (Senior English), AP Literature and Composition, or UW Composition: Exposition and Writing in Comparative Literature

### English 9 – ENG121/ENG122

1 Credit / 1 Year – Grade 9

#### Homework

Daily, 30 mins

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

### Honors English 9 – ENG171/ENG172

1 Credit / 1 Year – Grade 9

#### Homework

Daily, 30 mins

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

## English 10 - ENG221/ENG222

1 Credit / 1 Year - Grade 10

### CADR

#### Prerequisite

Sophomore Standing

#### Course Fee

None

#### Homework

Daily, 30 Minutes

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

## Honors English 10 - ENG271/ENG272

1 Credit / 1 Year - Grade 10

### CADR

#### Prerequisite

Teacher recommendation

#### Course Fee

None

#### Homework

Daily, 1 Hour

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

## English 11 - ENG321/ENG322

1 Credit / 1 Year - Grade 11

### CADR

#### Prerequisite

Junior Standing

#### Course Fee

None

#### Homework

Daily, 1 Hour

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

includes research skills, communication skills, and various modes of writing.

## AP English Language and Composition - ENG491/ENG492

1 Credit / 1 Year - Grade 11

### CADR

#### Prerequisite

Teacher recommendation preferred

#### Course Fee

None

#### Homework

Daily, 1 Hour

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

## English 12 - ENG421/ENG422

1 Credit / 1 Year - Grade 12

### CADR

#### Prerequisite

Senior Standing

#### Course Fee

None

#### Homework

Varies

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

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

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



**AP English Literature and Composition - ENG495/ENG496**  
1 Credit / 1 Year - Grade 12

**CADR**

**Prerequisite**

Teacher recommendation preferred

**Course Fee**

None

**Homework**

Daily, 1 Hour

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

**UW in the High School affiliated courses**

Only one UW Comp class can be taken at LWHS. Students are to choose one of the two offered courses to be taken either Junior or Senior year.

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

1 Credit / 1 Year - Grade 11, 12

**CADR**

**Prerequisite**

None

**Course 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.

**UW Composition: Composition Literature and Writing in Comparative Literature (UW Comp & Lit): ENG851/ENG852**

1 Credit / 1 Year – Grade 11, 12

**CADR**

**Prerequisite**

None

**Course Fee**

None

**Homework**

Students will be expected to read nightly, in order to read multiple chapters on average each week. Projects, papers, and presentations will be created to display both understanding and engagement with texts.

**Course Description**

This course is designed to develop your critical academic writing and reading skills, both of which will help you become a stronger, more successful reader and writer in any discipline. We will focus on several transferable traits of “good writing”, traits which will be explained, examined, and practiced throughout the course. While exploring a diverse range of literature, our class will practice creating cohesive, complex, and conscientious arguments rooted in detailed analysis. As readers, we will focus on the style, language, and organization the authors employ in their works and investigate how these stylistic decisions relate to broader ideas such as power, culture, and identity.

**English Electives**

**Creative Writing 1 - ENG611**

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

**CADR**

**Prerequisite**

English 9

**Course Fee**

None

**Homework**

Daily, 30 minutes

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

## Mythology - ENG571

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

### Prerequisite/Threshold

None

### Homework

Weekly, 1 hour

### Course Description

Mythological stories are not only our first examples of literature but also provide the meta-narratives that support so much of today's literature. In this course, students will study a variety of cultural mythologies including, but not limited to, Egyptian, Greek, Roman, and Norse. Literary studies will include stories surrounding the gods/godesses, demi-gods, heroes, monsters, and more. Supplemental texts and videos may also be provided. The course involves both analytic and creative assignments and examines cultural norms, gender roles, religion, allusions, and modern-day application through discussions, projects, and writing.

## Film as Literature - ENG535

.5 Credits/1 Semester - Grades 11, 12

### Prerequisite/Threshold

None

### Homework

Minimal

### Course Description

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

## Monsters in Literature - ENG567

.5 Credits/1 Semester - Grades 11, 12

### Prerequisite/Threshold

None

### Homework

1-2 hours per week

### Course Description

This course explores the ideas of varied monsters that have been depicted in literature, physically and metaphorically. Students will be asked to think critically about the concept of a monster as depicted in text and to determine the purpose of a monster's role in the literature. It is the goal of this course to teach students how monsters are used as tools through which they can explore and interpret culture, as well as to examine the genre of horror and the techniques authors use to create suspense.

## Poetry - ENG573

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

### CADR

### Prerequisite

English 9

### Course Fee

None

### Homework

Daily, 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.

## Fantasy and Sci-Fi Literature - ENG551

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

### CADR

### Homework

30 minutes/Week

### Course Description

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

## Multicultural Literature - ENG583

0.5 Credit / 1 Semester - Grade 11, 12

### CADR (or other)

### Prerequisite

None

### Homework

Varies

### Course Description

This course is for the reader wanting to explore important current issues in our nation from a range of perspectives. Readings will represent a variety of different voices that make up contemporary American society. Novels and authors explored in class are designed to stimulate conversation about critical topics facing us in the 21st century. Students should anticipate reading several novels over the course of the semester, texts which demonstrate the different complexities and styles emblematic of our rich literary traditions and culture.

**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 LWSH 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 LWSH Fine Arts graduation requirements.

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

**Fine Arts (Visual Art) Sequence:**

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

**Ceramics/Pottery 1 - ART611****0.5 Credit / 1 Semester - Grade 9, 10, 11, 12****CADR****Prerequisite**

None

**Course Fee**

\$40 (materials and supplies)

**Homework**

As Needed

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

**Ceramics/Pottery 2 - ART621****Ceramics/Pottery 3 - ART631****Ceramics/Pottery 4 - ART641****0.5 Credit - 1 Semester - Grade 10, 11, 12****CADR****Prerequisites**

Ceram/Pottery 1, Ceramics/Pottery 1

**Course Fee**

\$40 (materials and supplies)

**Homework**

As Needed

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

**Art 1 (Introduction to Drawing) - ART011****0.5 Credit / 1 Semester - Grade 9, 10, 11, 12****CADR****Prerequisite**

None

**Course Fee**

\$40 (materials and supplies)

**Homework**

As Needed

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

**Art 2 (Introduction to Painting) - ART021****0.5 Credit / 1 Semester - Grade 9, 10, 11, 12****CADR****Prerequisite**

None

**Course Fee**

\$40 (materials and supplies)

**Homework**

As Needed

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

**Art 3 (Drawing & Painting) - ART031****Art 4 (Advanced Drawing & Painting) - ART041****0.5 Credit / 1 Semester - Grade 10, 11, 12**

Meets both Occupational Education and Fine Arts graduation requirement

**CADR****Prerequisite**

Art 1 (Intro. to Drawing)

Art 2 (Intro. to Painting)

**Course Fee**

\$40/semester (materials and supplies)

**Homework**

2-4 Hours Per Week

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

**AP Studio Art - ARO341/ARO342****1 Credit / 1 Year - Grade 10, 11, 12**

Meets both Occupational Education and Fine Arts graduation requirement

**CADR****Prerequisite**

At 1 &amp; 2

**Course Fee**

\$80 (materials and supplies)

**Homework**

4-6 Hours/Week

This year-long class prepares students to submit either an AP Drawing or 2D Design Portfolio in early May. Students will create a portfolio containing a minimum of 15 works of art that reflect the student's area of interest, these images will be submitted to the AP Board digitally (60% of exam score). In addition, five physical works of art will be sent to the AP board for examination and review (40% of exam score). Though there is no written exam, students are required to reflect upon their processes and ideas. Artistic integrity is a requirement and all works must be original. Copying another artist's work, including images found on the web is considered plagiarism. The overall expectation is that students work beyond mere duplication to generate creative and unique imagery. The expectation is that students work as an artistic community to support each other in inquiry-based learning, sustained investigation of materials, processes, and ideas through practice, experimentation, and revision.

**Engineering Design - ARO211/ARO212****1 Credit / 1 Year - Grade 9, 10, 11, 12**

Meets both Occupational Education and Fine Arts graduation requirement

**CTE Dual Credit****Prerequisite**

None

**Course Fee**

\$10

**Homework**

As Needed

This introductory class focuses on the application of design principles and process. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

**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

**Course Fee**

\$10

**Homework**

Participation in LW Activities as Assigned

Digital Design students will use Adobe 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.

**Applied Photography 1 - ARO411****0.5 Credit / 1 Semester - Grade 9, 10, 11, 12**

Meets both Occupational Education and Fine Arts graduation requirement

**CADR, CTE Dual Credit****Prerequisite**

None

**Course 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 - ARO421****Applied Photography 3 - ART431****0.5 Credit / 1 Semester - Grade 10, 11, 12**

Applied Photography 2 meets both Occupational Education and Fine Arts graduation requirement

**CADR, CTE Dual Credit (Applied Photography 2 only)****Prerequisites**

Applied Photo 2: Applied Photo 1

Applied Photo 3: Applied Photo 2

**Course 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 - ARO151/ARO152****1 Credit / 1 Year - Grade 9, 10, 11, 12**

Meets both Occupational Education and Fine Arts graduation requirement

**CTE Dual Credit****Prerequisite**

None

**Course Fee**

\$35

**Homework**

2-4 hours dependent upon our production cycle

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

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

None

**Course Fee**

\$15 (Course 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

**Course Fee**

\$15

**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

**Course Fee**

\$15 (theory book)

**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**

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

**CADR****Prerequisite**

Two years of Choir in grades 9-10 or equivalent experience if student is a transfer student. Students must audition and be selected based on their skills. Auditions are held in spring, and again in fall.

**Course Fee**

\$15 (theory book--does not include cost of ensemble field trips)

**Homework**

None

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

**World Drumming - MUS231**

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

**CADR****Prerequisite**

None

**Course Fee**

\$0

**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.

**Jazz Ensemble - MUS171/MUS172**

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

**CADR****Prerequisite**

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

**Course Fee**

\$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 before school.

**Film Music - MUS051**

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

**CADR****Prerequisite**

None

**Homework**

Homework consists of completing film projects that can't be finished during given class time, and to give students the opportunity to access other settings for their films than those available during class.

This semester-long fine-arts elective course examines the history and development of film music. Students will survey and analyze a variety of current and historical films and their music to identify the elements of an effective film score. Students will explore how music can support character development, mood, plot and overall effectiveness of a film. Students will create short original films and score them using the criteria they have developed during the course. Students will evaluate their own and each other's work and collaborate on final projects.

**Orchestra 1 (Concert) - MUS311/MUS312**

1 Credit / 1 Year - Grade 9

**CADR****Prerequisite**

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

**Course Fee**

\$25

**Homework**

Weekly assignments and daily practice

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

**Course Fee**

\$25

**Homework**

Weekly assignments and daily practice

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

**Piano 1 - MUS241**

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

**CADR****Prerequisite**

None

**Course Fee**

\$15

**Homework**

As Needed

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

**Piano 2 - MUS251**

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

**CADR****Prerequisite**

Piano 1

**Course Fee**

\$15

**Homework**

As Needed

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

**Symphonic Band - MUS121/MUS122**

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

**CADR****Prerequisite**

Past Experience on a Wind or Percussion Instrument

**Course Fee**

\$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

**Course 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

**Course Fee**

None

**Homework**

As Needed

Drama 1 covers creative and improvisational work, monologue and scene memorization, with units in voice, diction, and physical stage movement. It also includes an introduction to theater design and technical theater. Students critique performances and evaluate literary worth of materials studied and 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

**Course Fee**

None

**Homework**

As Needed

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

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

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

**CADR****Prerequisite**

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

**Course Fee**

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

**Homework**

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

In this production workshop class, students will get an overview of the entire process of putting on a theatrical production at LW. Students will collaborate to produce art in a variety of mediums, including post-

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

**Video Production - ARO201/ARO202**

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

Meets both Fine Arts and Occupational Education graduation requirement

**Prerequisite**

None

**Course Fee**

\$20

**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 – ARO203/ARO204**

1 Credit / 1 Year – Grade 10, 11, 12

Meets both Fine Arts and Occupational Education graduation requirement

**Prerequisite**

Completion of Video Production 1

**Course Fee**

\$20

**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.



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

#### **Course Fee**

None

#### **Homework**

As Needed

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

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

### **Physical Education 2 (Healthy Lifestyles) - PED211**

**0.5 Credit / 1 Semester - Grade 9 (Requirement)**

#### **Prerequisite**

P.E. T-shirt

#### **Course Fee**

None

#### **Homework**

As Needed

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

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

### **Walking and Yoga - PED526**

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

#### **Prerequisite**

PE t-shirt and yoga mat

#### **Homework**

As needed

#### **Course Description**

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

### **Weight Training 1 - PED551**

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

#### **Prerequisite**

P.E. T-shirt

#### **Course Fee**

None

#### **Homework**

As Needed

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

## **Weight Training 2 – PED561**

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

### **Prerequisite**

Weight Training 1- PE t-shirt

### **Homework**

As needed

### **Course Description**

This course is designed for students interested in an advanced and rigorous physical education course. It is geared for students who are highly motivated to improve sport performance, lifelong strength and fitness. The units will emphasize overall body strength and physical fitness. Weight training will be the main focus with included endurance activities, cardiovascular fitness, and flexibility incorporated into the classes. Students will be expected to maintain a high level of participation throughout the course and to improve their strength and fitness levels. This course may be repeated for credit.

## **Lifetime Fitness - PED443**

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

### **Prerequisite**

P.E. T-shirt

### **Course Fee**

None

### **Homework**

As Needed

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

## **Recreational Sports - PED431**

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

### **Prerequisite**

P.E. T-shirt

### **Course Fee**

None

### **Homework**

As Needed

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

## **Racquet & Net Sports - PED421**

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

### **Prerequisite**

P.E. T-shirt

### **Course Fee**

None

### **Homework**

As Needed

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

## **Team Sports - PED411**

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

### **Prerequisite**

P.E. T-shirt

### **Course Fee**

None

### **Homework**

As Needed

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

## **Sports Medicine - PED621**

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

### **Prerequisite**

P.E. T-shirt

### **Course Fee**

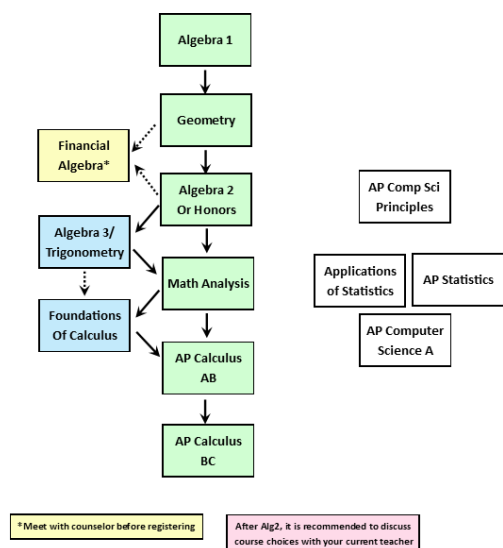
\$15

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



## Math Seminar 1 - MAT 101

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

### Prerequisite

Concurrent enrollment in Algebra 1 or Geometry

### Materials Required

Scientific Calculator

### Homework

None

### Course Description

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

## Algebra 1 - MAT241/MAT242

1 credit / 1 year – Grade 9

### CADR

### Prerequisite

None

### Course Fee

None

### Materials Required

Scientific Calculator

### Homework

Daily, 30 minutes

District Adopted Curriculum: Big Ideas Algebra 1

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

## Geometry - MAT321/MAT322

1 Credit / 1 Year - Grade 9, 10

### CADR

### Recommendation

Algebra 1 credit with a grade of D or better

### Course Fee

None

### Materials Required

Scientific Calculator, Compass, Protractor, Ruler

### Homework

Daily, 30 Minutes

District Adopted Curriculum: Big Ideas Geometry

In Geometry, students explore complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The course focuses on six critical areas: (1) students develop notions about what it means for two objects to be congruent and use this as a familiar foundation for the development of formal proof, solving problems and proving theorems about triangles, quadrilaterals, and other polygons; (2) build a formal understanding of similarity and apply similarity to right triangle trigonometry, the Pythagorean Theorem, and use the Laws of Sines and Cosines to find missing measures; (3) work with the shapes of cross-sections and the result of rotating a two-dimensional object about a line; (4) find distances and use a rectangular coordinate system to verify geometric relationships, including properties of special right triangles and quadrilaterals, slopes of parallel and perpendicular lines, and the connection of geometric and algebraic definitions of the parabola; (5) prove basic theorems about circles, and use coor-

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

### Math Seminar 2 - MAT103

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

#### Prerequisite

Algebra 1 credit required, Geometry credit recommended

#### Materials Required

Graphing Calculator

#### Homework

None

#### Course Description

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

### Algebra 2 - MAT261/MAT262

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

#### CADR

#### Prerequisite

Algebra 1 credit required, Geometry credit recommended or prior approval from math department chair

#### Course Fee

None

#### Materials Required

Graphing Calculator TI-84+

#### Homework

Daily, 30-45 Minutes

District-adopted curriculum: Big Ideas Algebra 2

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

### Algebra 2 Honors – MAT271/MAT272

1 Credit / 1 Year – Grade 9, 10

#### CADR

#### Recommendation

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

#### Course Fee

None

#### Materials Required

Graphing Calculator or TI84+

#### Homework

Daily, 30-45 Minutes

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

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

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

### Financial Algebra – CTB141/CTB142

1 Credit / 1 Year – Grade 11, 12

#### CADR (senior year)

#### Prerequisite

Algebra 1 and Geometry

#### Course Fee

\$28

#### Materials Required

Graphing Calculator

#### Homework

Daily, 30 minutes

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

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

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

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

### **CADR**

#### **Prerequisite**

Algebra 2 credit and teacher recommendation

#### **Course Fee**

None

#### **Materials Required**

Graphing Calculator TI-84+

#### **Homework**

Daily, 30-45 Minutes

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

## **Math Analysis - MAT511/MAT512**

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

### **CADR**

#### **Prerequisite**

Algebra 2 (Grade of B or better recommended) or Algebra 3 with Trigonometry credit

#### **Course Fee**

None

#### **Materials Required**

Graphing Calculator TI-84+

#### **Homework**

Daily, 50-60 Minutes

District Adopted Curriculum: Precalculus with Limits

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

## **Statistics through Applications – MAT503/MAT504**

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

### **CADR**

#### **Prerequisite**

Algebra 2 credit

#### **Materials Required**

Graphing Calculator or TI-84+

#### **Homework**

Daily, 30-45 minutes

#### **Course Description**

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

## **Foundations of Calculus - MAT541/MAT542**

1 Credit / 1 Year – Grade 11, 12

### **CADR**

#### **Prerequisite**

Math Analysis credit or Alg3/Trig credit with teacher recommendation

#### **Course Fee**

None

#### **Materials Required**

Graphing Calculator TI-84+

#### **Homework**

Daily, 45 minutes

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

## AP Statistics - MAT651/MAT652

1 Credit / 1 Year - Grade 11, 12

### CADR

#### Prerequisite

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

#### Course Fee

None

#### Materials Required

Graphing Calculator TI-84+

#### Homework

Daily, 1 Hour

District Adopted Curriculum: The Practice of Statistics

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

## AP Calculus AB - MAT631/MAT632

1 Credit / 1 Year - Grade 11, 12

### CADR

#### Prerequisite

B- grade or higher in both semesters of Math Analysis

#### Course Fee

None

#### Materials Required

Graphing Calculator TI-84+

#### Homework

Daily, 1 Hour

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

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. This course prepares students for the successful completion of the AP Calculus AB exam. Out of class exam preparation is expected. This is a year-long course; dropping at semester is highly discouraged. This is a rigorous college course; see AP description on page A3. College in the High School (CHS) credit may be earned. Bellevue College (BC)

registration fees and satisfaction of the BC placement test will apply. Students will earn a separate CHS grade for their college transcript.

## AP Calculus BC - MAT641/MAT642

1 Credit / 1 Year - Grade 11, 12

### CADR

#### Prerequisite

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

#### Course Fee

None

#### Materials Required

Graphing Calculator TI-84+

#### Homework

Daily, 1 Hour

District Adopted Curriculum: Calculus AP Edition 11e

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

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

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

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.

### Science Opportunities

Freshman Year	Sophomore Year	Junior & Senior Year
<ul style="list-style-type: none"> <li>Biology in the Earth System</li> <li>Honors Biology in the Earth System*</li> </ul>	<ul style="list-style-type: none"> <li>Chemistry in the Earth System</li> <li>Honors Chemistry in the Earth System*</li> <li>Physics in the Universe</li> <li>AP Physics 1 concurrent with Astronomy - Stars</li> <li>Science Elective</li> </ul>	<ul style="list-style-type: none"> <li>Chemistry in the Earth System</li> <li>Honors Chemistry in the Earth System*</li> <li>Physics in the Universe</li> <li>AP Chemistry</li> <li>AP Physics 1 concurrent with Astronomy - Stars</li> <li>AP Physics 2</li> <li>AP Biology</li> <li>Science Elective</li> </ul>

\*Honors is optional via the Biology in the Earth System and the Chemistry in the Earth System curricula. See course descriptions for more information.

\*\*Personal science pathways will vary based on individual interest and ability.

\*\*Electives can be taken any semester in addition to the core science class.

### Biology in the Earth System - SCI231/SCI232

#### Honors Biology in the Earth System

1 Credit / 1 Year - Grade 9

#### CADR

#### Course Fee

None

#### Homework

Daily, 30 Minutes

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

**Honors Biology in the Earth System is integrated into the Biology in the Earth System class.** An accelerated pathway is available to students beginning in the 9th grade via Biology of the Earth Systems Honors. Students will have the opportunity to earn the Honors distinction by choosing to complete the requisite number of honors-level assignments over the course of the semester. These students will be given opportunities for enrichment, extension, and personal growth. Those students who meet all the expectations of Biology of the Earth Systems Honors will be awarded an H designation on their transcript.

### Chemistry in the Earth System - SCI331/SCI332

#### Honors Chemistry in the Earth System

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

#### Course Fee

None

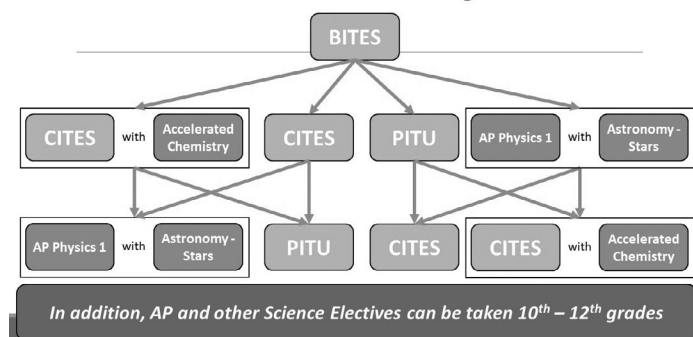
#### Homework

Daily, 30 minutes

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

**Honors Chemistry in the Earth System is integrated into the Chemistry in the Earth System class.** An accelerated pathway is available to students in this course via Chemistry in the Earth System Honors. Students will have the opportunity to earn the honors distinction by choosing to complete the requisite number of honors-level assignments over the course of the semester. These students will be given opportunities for enrichment, extension, and personal growth. Those students who meet all the expectations of Chemistry in the Earth Systems Honors will be awarded an H designation on their transcript.

### Science Pathways



## Physics in the Universe - SCI431/SCI432

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

### CADR

#### Course Fee

None

#### Homework

Daily, 30 Minutes

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

## 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

#### Course Fee

\$25

#### 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.

## Accelerated Chemistry - SCI367

.5 Credits/1 Semester—Grades 10, 11, 12

#### Prerequisite

Concurrent enrollment in Algebra 2 or higher

#### Course Fee

\$15

#### Homework

2 hours per week

#### Course Description

This rigorous one semester lab course is strongly encouraged for those planning on taking AP Chemistry and will also prepare students for other AP sciences (i.e. AP Biology, APES, etc). The focus will include topics not normally covered in Chemistry in the Earth System including: thermochemistry, molarity/solutions, gases, precipitation reactions, and acid/base. Some algebraic variable manipulation will be required as students explore these topics at a demanding pace. The curriculum will be challenging and will emphasize lab experiences.

## 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 like Accelerated Chemistry

#### Course Fee

\$25

#### Homework

Daily, 45-60 Minutes

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

## AP Physics 1 - SCI483/SCI484

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

### CADR

#### Prerequisite

Strongly recommend Math Analysis prior or concurrent

#### Course Fee

\$25

#### Homework

Daily, 45-60 Minutes

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

## AP Physics 2 - SCI487/SCI488

1 Credit / 1 Year - Grade 11, 12

### CADR

#### Prerequisite

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

#### Course Fee

\$25

#### 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.

### **AP Environmental Science - SC0541/SC0542**

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

Meets both Occupational Education and Science graduation requirement

#### **CADR, CTE Dual Credit**

#### **Prerequisite**

Previous Biology, Chemistry, or Physics

#### **Course Fee**

None

#### **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 - SC1701**

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

#### **CADR**

#### **Prerequisite**

Biology preferred

#### **Course 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. 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 – Stars - SC1705**

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

#### **CADR**

#### **Prerequisite**

Biology preferred

#### **Course Fee**

None

#### **Homework**

Daily

Students will examine the electromagnetic spectrum, the Big Bang, the lives of stars, and the possibilities of other life in the universe.

The content of the course is based on the book *Death from the Skies!*, authored by astronomer Phil Plait and will touch on ideas such as supernovae and black holes. Labs will mostly be models and simulations. One overnight field trip is planned for this course which requires additional fees. This course will cover the space standards students taking AP Physics 1 instead of Physics in the Universe will miss.

### **Marine Science - Climate Change - SC1611**

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

#### **CADR**

#### **Prerequisite**

None

#### **Course Fee**

\$25

#### **Homework**

Daily

Students will learn about climate change and how it is impacting marine ecosystems. This semester course will focus on the following ecosystems: Polar Oceans, Coral Reefs, and our own backyard—the Salish Sea. Students will learn the key life/light zones, sea floor features, plankton, plants, and animals for each ecosystem and how global climate change will affect all of those components. Lab work will include simulations, use of microscopes, and at least 1 dissection.

### **Marine Science - Human Impact - SC1615**

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

#### **CADR**

#### **Prerequisite**

None

#### **Course Fee**

\$25

#### **Homework**

Daily

Students will learn how ocean water is circulated around the world. This semester course will focus on the following ecosystems: 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.

## Zoology – SCI621

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

### CADR

#### Prerequisite

Biology preferred

#### Course Fee

None

#### Homework

Daily, 45-60 minutes

This course is an opportunity for students to gain a lab science credit in a different arena of science. It will be general zoology: vertebrate and invertebrate. We will do a series of observational labs, studying slides, 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.

## Anatomy and Physiology - Movement & Transport – SCI651

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

### CADR

#### Prerequisite

Biology Preferred

#### Fee

\$25

#### Homework

Daily

#### Course Description

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

## Anatomy and Physiology - Nerves & Nutrients - SCI659

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

### CADR

#### Prerequisite

Biology Preferred

#### Fee

\$25

#### Homework

Daily

#### Course Description

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

## Meteorology – SCI553

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

### CADR

#### Prerequisite

None

#### Fee

None

#### Homework

Daily

#### Course Description

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

## Genetics – SCI661

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

### CADR

#### Prerequisite

Biology Preferred

#### Fee

None

#### Homework

Daily

#### Course Description

Genetics is a course for students interested in acquiring a more in-depth understanding of DNA, how traits are inherited, and the laboratory techniques used to analyze DNA. Topics covered include DNA structure, inheritance, genetic disease, analysis of DNA using gel electrophoresis and ethical issues related to science and technology.

## Computer Science and Engineering - SC0581/SC0582

1 credit/1 year – Grade 10, 11, 12

Meets both Occupational Education and Science graduation requirement

### CTE Dual Credit

#### Prerequisite

Algebra 1

#### Course 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.

### **Culinary Arts 1 - SC0425**

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

Meets both Occupational Education and Science graduation requirement

#### **CTE Dual Credit**

#### **Prerequisite**

None

#### **Course Fee**

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

#### **Homework**

As Needed

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

### **Culinary Arts 2 - SC0427**

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

Meets both Occupational Education and Science graduation requirement

#### **CTE Dual Credit**

#### **Prerequisite**

Culinary Arts 1

#### **Course Fee**

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

#### **Homework**

As Needed

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

### **AP Computer Science A - SC0861/SC0862**

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

Meets both Occupational Education and Science graduation requirement

#### **CADR (senior year), CTE Dual Credit**

#### **Prerequisites**

Algebra 2

#### **Course Fee**

None

#### **Homework**

Daily 30-60 minutes

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

### **AP Computer Science Principles - SC0863/SC0864**

**1 credit/1 year - Grade 9, 10, 11, 12**

Meets both Occupational Education and Science graduation requirement

#### **CADR (senior year), CTE Dual Credit**

#### **Prerequisite**

Geometry

#### **Course Fee**

None

#### **Homework**

Daily 15-30 minutes.

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

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

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 (Modern)
- 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

#### Course Fee

None

#### Homework

Daily, 30 Minutes

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

### **AP World History (Modern) - SOC281/SOC282**

**1 Credit / 1 Year - Grade 10**

#### CADR

#### Prerequisite

None

#### Course Fee

None

#### Homework

Daily, 60 Minutes

This course will prepare students for the AP World History exam. College credit is available at many colleges for those who take and pass the AP exam. The AP World History course content is structured around the investigation of five course themes and 13 key concepts in four different chronological periods, from approximately 600 C.E. to the present. The AP World History course develops students' capacity and ability to think and reason in a deeper, more systematic way, better preparing them for subsequent college courses. Students will have the opportunity to complete a state required CBA in this course. One state college/university admissions requirement met upon successful course completion. See AP description on page A3.

### **US History - SOC321/SOC322**

**1 Credit / 1 Year - Grade 11**

#### CADR

#### Prerequisite

None

#### Course Fee

None

#### Homework

Averages 1-2 hours per week

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

### **AP United States History - SOC381/SOC382**

**1 Credit / 1 Year - Grade 11**

#### CADR

#### Prerequisite

None

#### Course Fee

None

#### Homework

Daily, 60 minutes

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

## **Civics - SOC521**

0.5 Credit / 1 Semester - Grade 12

### **CADR**

#### **Prerequisite**

None

#### **Course Fee**

None

#### **Homework**

Intermittently, 30 minutes

This course focuses on the rights and responsibilities of U.S. citizenship, 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

#### **Course Fee**

None

#### **Homework**

3-6 hours per week

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

## **Ancient Civilizations – SOC801**

0.5 Credit/1 Semester – Grade 9

### **CADR**

#### **Prerequisite**

None

#### **Course Fee**

None

### **Homework**

2 – 3 hours per week

This course is designed to prepare you for future AP and non-AP Social Studies classes by exposing you to the skills that will be necessary for success. These skills include the continued development of disciplined reading, analysis of primary and secondary sources, writing strategies and growth in discussion and oral presentation skills. In this course, we will be developing these skills through studying the rise of early man from the agricultural revolution, to the formation of civilization, and finally with the creation of empires from around the world. Although this is not an AP course, many AP type activities will be done in order to give the students an understanding of what to expect if they choose to take AP World History as a sophomore.

## **World Religions – SOC731**

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

### **CADR**

#### **Prerequisite**

None

#### **Course Fee**

None

#### **Homework**

1 hour per week

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

## **Economics – SOC681**

0.5 Credit / 1 Semester - Grade 11, 12

### **CADR**

#### **Prerequisite**

None

#### **Course 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.

**Current World Issues – SOC721**  
0.5 Credit / 1 Semester - Grade 12

**CADR**

**Prerequisite**

None

**Course 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 the types of questions that will be explored and analyzed throughout the course. The answers to these questions will be done through public speaking/presentations with a focus on group projects in lieu of tests and quizzes. Students should be prepared and willing to present often and speak in front of peers about their research. This course counts for a social studies elective credit.

**AP Economics - SOC751/SOC755**  
1 Credit / 1 Year – Grade 11, 12

**CADR (or other)**

**Prerequisite**

None

**Homework**

Daily, 30-60 minutes

This course will prepare students for the AP Microeconomics and AP Macroeconomics exams, if they choose to take them. Content and conduct of this course is preparatory for college work. College credit is available at many colleges for those who take and pass the AP exams. Topics will include basic economic concepts, such as scarcity, opportunity cost, supply and demand, and the role of incentives in decision-making. Topics in microeconomics include economic systems, market structures, market failures, and the role of government. Topics in macroeconomics include measuring and managing the economy, financial markets, fiscal and monetary policy, and international trade. Students will also prepare for various types of tests, including creating and analyzing models and researching and writing essays. 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.

**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

**Course Fee**

None

**Homework**

Daily, 1 hour

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

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

#### Course Fee

Student workbook fees vary

#### 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, CTE Dual Credit

#### Prerequisite

None

#### Course Fee

None

#### Homework

2-3 Hours/Week

American Sign Language is the third most spoken language in the United States. This beginning course introduces students to the remarkable visual language and culture of the deaf. It provides insights into deaf cultural values, deaf attitudes, the deaf community, and historical aspects of the language. This class is presentation based and taught in the target language. Two years of American Sign

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

## Languages Level 2

**French 2 - FOR121/FOR122**

**Spanish 2 - FOR521/FOR522**

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

### CADR

#### Prerequisite

Successful Completion of Level 1 Language

#### Course Fee

Student workbook fees vary

#### 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, CTE Dual Credit

#### Prerequisite

Successful completion of level 1

#### Course Fee

None

#### Homework

2-3 Hours/Week

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

## Languages Level 3

### **French 3 - FOR131/FOR132**

### **Spanish 3 - FOR531/FOR532**

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

#### **CADR**

#### **Prerequisite**

Successful Completion of Level 2 Language

#### **Course Fee**

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.

### **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**

#### **Prerequisite**

Successful completion of a level 2 language

#### **Course Fee**

None

#### **Homework**

2-3 hours per week

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

## Languages Level 4

### **French 4 - FOR141/FOR142**

### **Spanish 4 - FOR541/FOR542**

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

#### **CADR**

#### **Prerequisite**

Successful Completion of Level 3 Language

#### **Course Fee**

Student workbook fees vary

#### **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.

## Advanced Placement (AP)

### **AP French Language - FOR171/FOR172**

### **AP Spanish Language - FOR571/FOR572**

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

#### **CADR**

#### **Prerequisite**

Successful completion of level 4 language or teacher recommendation

#### **Course Fee**

Student workbook

#### **Homework**

5-6 hours per week

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



## Peer Tutor - ELE161/ELE162

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

### Prerequisite

Transition Teacher Permission

### Course Fee

None

### Homework

None

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

## Teacher/Office Assistant

(See Counselor)

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

### Prerequisite

Teacher/Secretary Approval

### Course Fee

None

### Homework

None

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

## AVID 9 ELE361/ELE362

## AVID 10 ELE363/ELE364

1 Credit / 1 Year - Grade 9, 10

### Prerequisite

Teacher Placement

### Course 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 that 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.

## ELL Beginning, Intermediate and Advanced English

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

### CADR

### Prerequisite

WLPT Placement

### Course Fee

None

### Homework

Frequent

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

## Leadership 1 (Intro to Leadership Development) - ELE201

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

Meets both Occupational Education and Elective graduation requirement

### Prerequisite

None

### Course Fee

None

### Homework

Participation in LW Activities as Assigned

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

## Leadership 2 (Student Government) - ELE204/ELE205

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

Meets both Occupational Education and Elective graduation requirement

### Prerequisite

None

### Course Fee

None

### Homework

Participation in LW Activities as Assigned

This course is open to all elected officers and students appointed through an official process who are interested in developing leadership skills and promoting positive school culture. Leadership students are involved in the planning of homecoming events, assemblies, spirit weeks, orientation, open house, PTSA meetings, student recognition, community service and other school activities. Students are expected

to participate in school and community service projects. This class provides students with strategies, skills and experience needed to further the development of their leadership strengths. ASB officers, class officers, and commissioners are required to take this course for a full year. Attending a summer leadership camp in July and a work week in August are integral to the planning process for the year.

## AP CAPSTONE

Lake Washington High School is one of 1100+ schools worldwide to implement AP Capstone – an innovative diploma program begun in 2014 that allows students to develop the skills that matter most for their future college and career success: research, collaboration, and communication. The AP Capstone program represents a significant shift from content to skills. The program includes a two-course sequence: AP Capstone 1 (AP Seminar) and AP Capstone 2 (AP Research).

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

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

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

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

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

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

### AP Capstone 1 (AP Seminar) – ELE901/ELE902

1.0 Credit / 1 Year – Grade 10, 11

#### CADR

#### Prerequisite

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

#### Homework

Weekly homework of 1-2 hours

#### Course Description

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

### AP Capstone 2 (AP Research) – ELE903/ELE904

1.0 Credit / 1 Year – Grade 11, 12

#### CADR

#### Prerequisite

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

#### Homework

Weekly homework of 1-2 hours

#### Course Description

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

## District Graduation Requirements: Classes of 2020 and Beyond

### Credit Requirements at a Glance Classes of 2020 and Beyond

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

<sup>^</sup> 2.0 lab science, 1.0 non-lab science

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

<sup>^^</sup> A student may request to be excused from P.E. under certain conditions, per state law and district policy.

<sup>^^^</sup> 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](http://www.lwsd.org) > Programs and Services > Curriculum & Instruction > 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 earn at least 24 credits to graduate.

##### 2. Complete a High School and Beyond Plan

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

##### 3. Pass High School Assessments

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 math. Students in the class of 2021 and beyond must also pass the Washington Comprehensive Assessment of Science (WCAS). Minimum scores to pass these exams are set by the State Board of Education.

#### Smarter Balanced Assessment Scores and Higher Education Agreements

Washington's two- and four-year public colleges have published statements regarding the use of Smarter Balanced test scores and preparation for entrance into their institutions.

Washington's Council of Presidents, representing public four-year colleges and universities in Washington state, has issued a statement about a student's path towards college preparation. Read more about the Council of Presidents' statement at <http://www.councilofpresidents.org/SBAC%20statement%204.2018.pdf>.

Likewise, the State Board for Community and Technical Colleges (SBCTC) has issued a statement regarding placement options for students entering a two-year institution. Read more about the SBCTC's agreement at <https://www.sbctc.edu/resources/documents/about/agency/initiatives-projects/smarter-balanced-agreement-may2018.pdf>.

## Advanced Placement (AP®) Courses and Exams

### Purpose of Advanced Placement

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

### The AP experience

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

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

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

### Receiving college credit for AP through AP exams

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

### More information about AP

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

## Career and Technical Education (CTE)

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

### Career and Technical Education (CTE) Classes

CTE classes align to different career clusters such as: Arts, AV Technology and Communications; Business and Administration; Education and Training; Finance; Hospitality and Tourism; Information Technology; and STEM. All CTE courses provide students with the opportunity to participate in Career and Technical Student Organizations or Leadership Equivalents that focus on leadership, teamwork, creativity and problem-solving.

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

### CTE Dual Credit Courses

Through a partnership with community and technical colleges in the state, certain CTE courses provide students with the opportunity to earn both high school and college credit for the course, if students complete the course with a grade of "B" or better. If a course qualifies for CTE Dual Credit, it will be noted in the course description, or teachers will provide students with information about how to register for CTE Dual Credit. *Note: Students must register and pay a \$46 fee (fee covers all CTE Dual Credit Courses) through the Pacific Northwest College Credit Consortium to be awarded college credit.*

### CTE Equivalency/"Two-for-One" Courses

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

CTE Equivalency Courses can be identified by their course code in the CTE section of each school's course catalog.

The table below shows course codes by subject area:

CTE course code	Core requirement met
ARO	Art
DRO	Art
ELO	Elective
FOO	World Language
HEO	Health
MAO	Math
PEO	Fitness
SCO	Science
SOO	Social Studies

In addition, students may meet the CTE requirement through a non-CTE course that is determined to be “occupational education,” and equivalent, at a minimum, to a CTE exploratory course. Students who earn a graduation requirement credit in a non-CTE course determined to be equivalent to a CTE course will not be required to earn a second credit in the CTE course subject. The single non-CTE course meets two graduation requirements.

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

### WANIC Skill Center Programs ([www.wanic.org](http://www.wanic.org))

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

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

### WANIC 2019-20 Program offerings:

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

\*Two-year program available

## 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 Credit for Courses Taken in Middle School

If requested by the student and his or her family, a student who has completed high school courses before attending high school shall be given high school credit which shall be applied to fulfilling high school graduation requirements if the academic level of the course exceeds the requirements for seventh and eighth grade classes and the course would qualify for high school credit, because the course is similar or equivalent to a course offered at a high school in the district.

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

High School credit for these designated middle school courses may be requested once the student is in high school. Once the grades for high school level courses taken in middle school are recorded on the high school transcript, the grade and credit cannot be removed and are included in the computation of the student’s cumulative grade point average.

## LWSD Online Courses

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

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

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

### Courses

- **Online Washington History**  
Online Washington History is a .5 credit class that provides the knowledge and awareness of the geography, native inhabitants, early settlers, and the forces that drove modernization and statehood. Students will also study Washington's emergence as a force for economic development and international trade. This class meets the Washington State History graduation requirement.
- **Online Health**  
Online Health is a comprehensive .5 credit health course that provides students with essential knowledge and decision making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health. This class meets the Health graduation requirement.

## Physical Education Credit Options

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

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

- **Fitness Knowledge Assessment**

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

- **Fitness Plan**

The Fitness Plan will be offered to students beginning in the students' 11th grade school year. Students choosing the Fitness Plan option will complete a substantial written assignment that covers similar content as the Fitness Knowledge Assessment.

For more information about these options: <http://www.lwسد.org/programs-and-services/curriculum-instruction/high-school-guide/graduation-requirements/physical-education-credit-options>.

## Running Start

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

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

In addition, students may be required to attend high school classes for the purpose of completing high school graduation requirements. Students must be in contact with their Running Start Graduation Coordinator.

Students who do not qualify for junior or senior status will not be approved for entry to Running Start and their tuition fees will not be paid by the school district. Parents and students will be responsible for course fees in the case that students attend community college without adequate standing or approval as determined by counselor or administrator. To begin Running Start in a fall quarter, students must apply in the previous March.

## Seven Period Schedule

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

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

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

## Tesla STEM School Signature Programs

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

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

### Students enrolled in Signature Courses or Signature Programs:

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

### 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

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

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: [tesla.lwsd.org](http://tesla.lwsd.org).

## World Language Credit Options

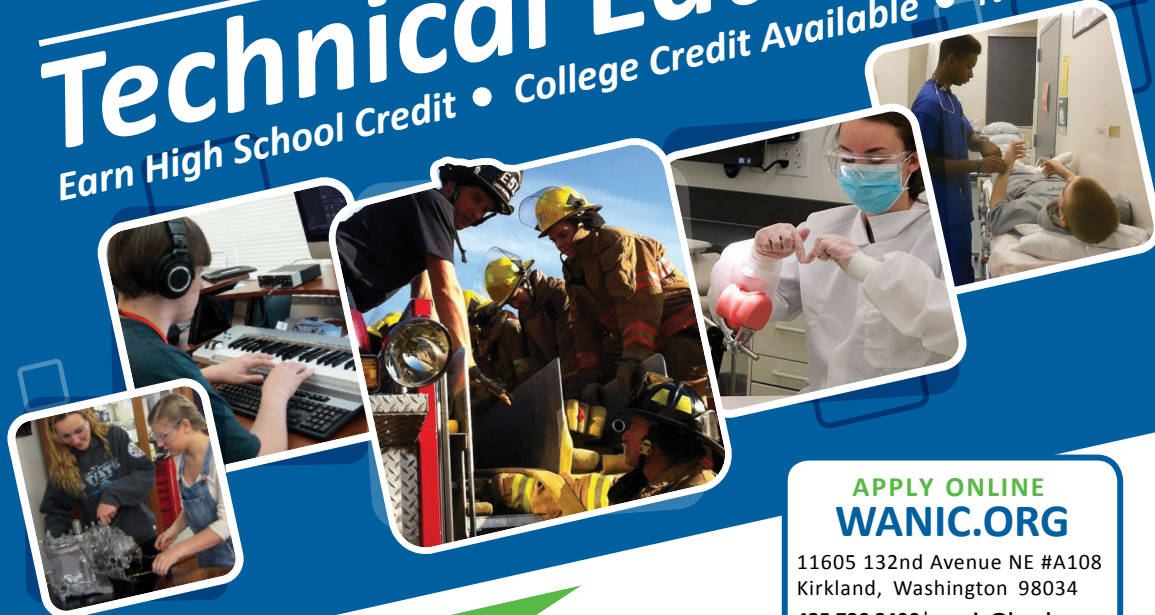
Students are required to graduate with two credits in a World Language. Students have two options if they wish to pursue an alternative to the required two World Language credits: A student may elect to pursue credit in areas other than world language if the choice is based on a career-oriented course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

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

Civil Rights Coordinator	Title IX Coordinator	Section 504/ADA Coordinator
Director of Human Resources 16250 NE 74th Street Redmond, WA 98052 (425) 936-1266 <a href="mailto:civilrights@lwsd.org">civilrights@lwsd.org</a>	Director of Student Services 16250 NE 74th Street Redmond, WA 98052 (425) 936-1289 <a href="mailto:titleix@lwsd.org">titleix@lwsd.org</a>	Director of Special Services 16250 NE 74th Street Redmond, WA 98052 (425) 936-1407 <a href="mailto:section504@lwsd.org">section504@lwsd.org</a>

# WA NIC Presents Career and Technical Education

Earn High School Credit • College Credit Available • No Tuition



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11605 132nd Avenue NE #A108  
Kirkland, Washington 98034  
425.739.8400 | wanic@lwsd.org



Washington Network for Innovative Careers  
Northeast King County Skill Center



- Auto Technology
- Fire & EMS
- DigiPen Art & Animation
- CISCO Networking
- Health Science Careers (Nursing)
- DigiPen Music & Sound Design
- Culinary Arts
- Medical Careers
- DigiPen Video Game Programming
- Dental Careers
- Sports Medicine

## Washington Network for Innovative Careers

Northeast King County Skill Center

Serving high school students from these districts:

Bellevue • Everett • Issaquah • Lake Washington • Mercer Island • Northshore • Riverview • Snoqualmie Valley

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)

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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

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## Lake Washington School District

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