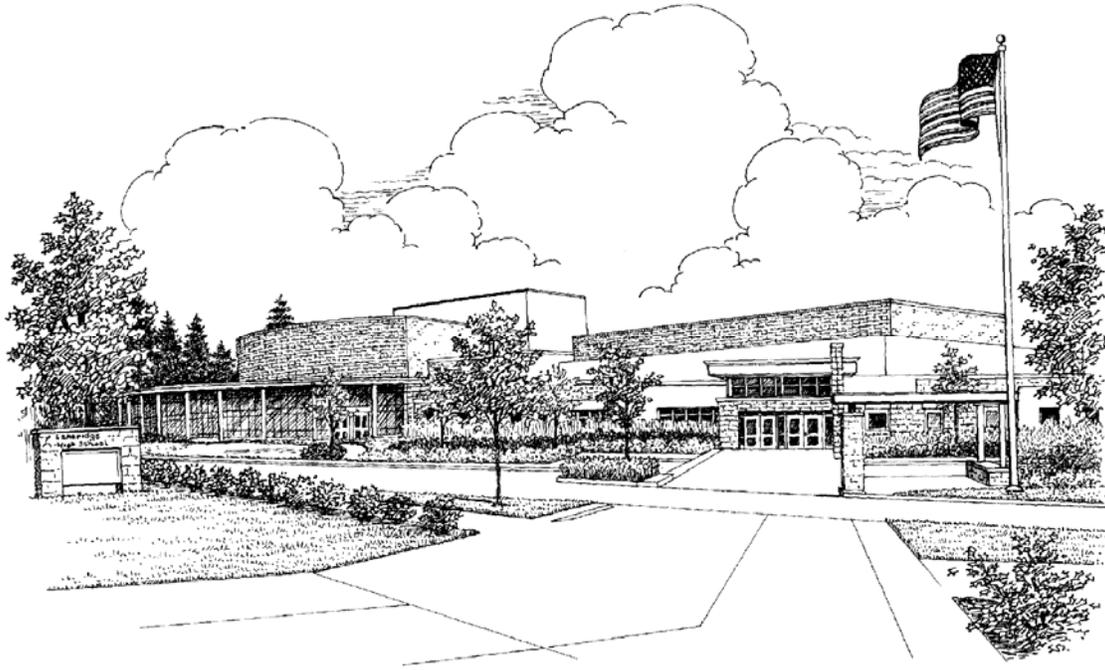




CURRICULUM GUIDE

2019-2020



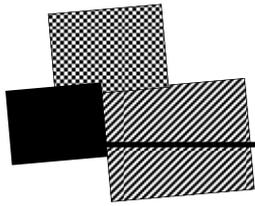
Lakeridge High School

1235 Overlook Drive
Lake Oswego, OR 97034
Phone (503) 534-2319
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<http://www.losdschools.org/lhs>



*Highest Possible Rating
by Oregon Department of Education*

LAKE OSWEGO SCHOOL DISTRICT



LAKERIDGE HIGH SCHOOL

Welcome to Lakeridge!

We are proud of our academic programs and co-curricular activities, and we strongly encourage students to take advantage of the wonderful opportunities here at Lakeridge. Your high school career lasts only four years and we want you to make the most of it.

This guide contains important information about course offerings, scheduling procedures and college requirements that you will need in order to develop your four-year plan. It is critical that you make informed choices when you request courses, and we urge you to ask questions, talk to teachers and counselors, and make thoughtful decisions about what courses will help you to reach your academic goals.

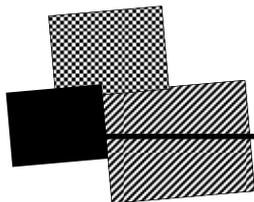
During your four years at Lakeridge, you have the opportunity to explore different program offerings and discover areas of special interest. Your experiences at Lakeridge will help you develop and define your post-high school goals.

Thank you for choosing Lakeridge High School.

Desiree Fisher
Principal

VISION STATEMENT

**Lakeridge Promotes a Respectful Community
Where Each Individual is Responsible for
Contributing to Excellence —
Let it Begin with Us!**



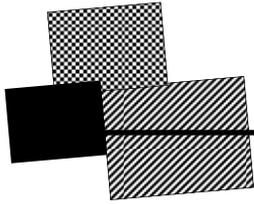
LAKERIDGE HIGH SCHOOL

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Scheduling Information

During the spring, students select their high school courses for the next school year with the help of their counselors. Counselors will provide students with forecasting materials.

In selecting their courses for the following year, students should:

Check prerequisites and those courses requiring a teacher recommendation.

Check credit options. Courses that students may repeat for credit (e.g. Weight Training) have designations at the end of the course descriptions. If there is no statement saying students may take the course again, they may not repeat the course for credit.

Provide a range of alternate elective classes in case their first choice electives are unavailable. Some elective classes may not be taught due to under-enrollment; others will have more students sign up than space available and others may conflict with year long classes.

If you do not provide sufficient alternate electives, you will be scheduled into an open class you did not choose.

All students must enroll in six or more academic classes per semester.

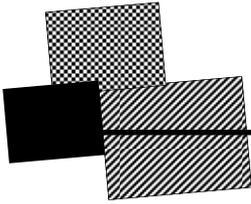
Students will receive their class schedule during the summer.

Materials and Fees

Students may participate in any course offered as part of the standard curriculum without cost. However, in some courses, students may pay materials fees in order to keep the projects that they create. The following is a list of courses to which fees may apply:

Advanced Art Classes
Ceramics (Levels 1, 2 & 3)
Foods (Beginning & Advanced)





Graduation Requirements

Students will work toward a **District Standard Diploma**. Listed below are the requirements for this diploma. Requirements are defined by units of credit. Passing a year long course earns one (1) unit of credit and passing a semester course earns a half (1/2) unit of credit.

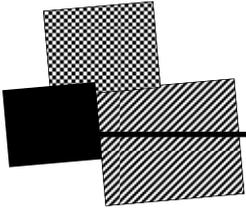
During the ninth, tenth, eleventh, and twelfth grades, a student must earn twenty-five (25) credits. A student who passed Algebra or a higher math class in junior high will earn Elective units of credit for those classes. These students must still complete three (3) credits of math in high school. A student who passed World Language classes in junior high will earn World Language credit for those classes at Lakeridge.

The following courses must be included in the twenty-five credits.

<u>Subject Area</u>	<u>Number of Credits Needed</u>
Fine Arts	1 credit
Communication	½ credit (recommended to be taken in 9th grade)
English	4 credits
Health	1 credit (½ credit in grade 9 or 10 and ½ credit in grade 11 or 12)
Mathematics	3 credits (Algebra and above)
Physical Education	1 credit (½ credit of PE in grade 9 or 10 and ½ credit of another P.E. class any time during grades 9-12)
Science	3 credits
Social Studies	3 credits
World Language	2 credits
Electives	6 ½ credits
<u>Total:</u>	<u>25 Credits</u>

Early Graduation

All requests for early graduation must be approved by the school board. In order to be considered for early graduation, a student must be on track to have met State and District attendance, course credit, and performance requirements. Early graduation requests may include no more than a total of one credit as a student assistant or in work experience as part of the required 25 credits, unless the student is earning a modified or basic diploma. *A student must apply for early graduation by the end of the sophomore year.*



Graduation Requirements

In addition to completing the required number of credits for graduation, each student must also:

1. Have an educational plan (a Four-year Plan) describing personal and career goals, district graduation goals and course of study. Four-year Plans are completed during the 9th grade year during Freshman Conferences.

2. Complete an educational profile outlining achievements and activities.

Your child's counselor will begin the process of developing an educational plan and educational profile. During freshman year this educational plan will be updated in February/March to reflect courses selected for next year. Students will also describe their personal interests and long-term career goals. In addition, counselors have an educational profile for each student documenting progress toward earning graduation requirements. These profiles will be expanded to track all achievements, activities, and progress toward completing graduation requirements.

3. Collect evidence that demonstrates extended application of knowledge and skills.

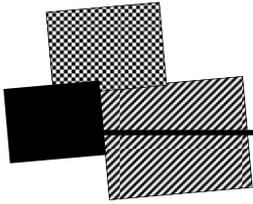
During their junior and senior years, students will collect course work from their classes to develop a collection of evidence demonstrating extended application of knowledge and skills. The work to be collected will be identified by teachers of junior and senior courses.

4. Demonstrate proficiency in career related standards in these areas:

- a. personal management
- b. problem-solving
- c. community
- d. teamwork
- e. employment foundations
- f. career development

5. Complete at least two different Career Related Learning Experiences (CRLE). These experiences can include work experiences, community service, volunteering, mentorships and internships among other options. Each experience must be a minimum of 5 hours.

Counselors will provide students with the required form. Students must document their participation in career related experiences outside the school setting. Students will collect evidence demonstrating proficiency in career-related standards during their high school years.



Credit by Examination

World Language

Students who have significant experience in a language other than English have options for earning credit in world language. Students who wish to receive graded credit may take coursework in a language of their choice. This coursework must be pre-approved, taken through an accredited institution and a transcript must be provided. Students will only be approved for off-campus courses that are not offered by the school district. Credit-by-examination options are also available in several world languages. Students who choose a credit-by-examination option will receive pass/fail credit. These world language credits can be used to meet graduation requirements for the school district. **However, not all colleges and universities will accept pass/fail credits for world language. It is the responsibility of the students to determine if the credit by examination option is appropriate for their post-secondary aspirations.**

Students who take either the STAMP or FLATS assessment may earn a maximum of 2 pass/fail credits.

Currently there are two assessment options for credit by examination. Students who want to receive credit in **Arabic, Chinese, French, Japanese, German and Spanish** must take the Standards-based Measurement of Proficiency (STAMP) 4S assessment.

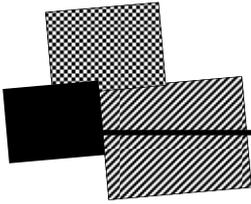
STAMP 4S Assessment Information

- Standards-based Measurement of Proficiency (STAMP) 4S is a web-based test that assesses language proficiency
- The STAMP 4S test has four sections – reading, writing, listening and speaking
- Test items are based on real-world, every-day situations
- STAMP 4S measures a test taker's language ability according to Proficiency Stages that are based on national standards.
- Students will earn credit equivalent to the minimum proficiency level achieved in every category. For example, if a student scores a 3 in reading, a 4 in writing, a 4 in speaking and a 5 in listening, then the student will earn three level 3 scores (see Proficiency Stages Equivalency Chart).
- The parents/guardians are responsible for the assessment fee. Students must contact their counselor to set up a time to take the language assessment.

Students who are interested in earning pass/fail credits in other languages may use the Foreign Language Achievement Testing Service (FLATS) through BYU.

FLATS Assessment Information

- Foreign Language Achievement Testing Service (FLATS) is available through Brigham Young University (BYU).
- All language assessments are pass/fail.
- The assessment is multiple-choice and requires a 2 ½ hour time limit.
- These are achievement assessments, intended to assess whether a student meets beginning-level listening comprehension, reading comprehension, and grammatical accuracy at the college level.
- The parents/guardians are responsible for the assessment fee.
- There are 55 different language assessments available. However, students who are interested in Arabic, Chinese, French, Japanese, German or Spanish credit may only take the STAMP 4S assessment for credit. Students must contact their counselors to set up a time to take the assessment.



Academic Policies

Grading

The Lake Oswego School District's evaluation procedure is designed to reflect support of academic achievement and the development of citizenship. Letter grades are intended to provide information on academic performance, to encourage continued academic growth and to create a record of academic achievement.

A letter grade is based on the teacher's professional evaluation of student achievement in the following areas: completion of assignments, examination scores, mastery of pertinent skills and handling abstractions and application of knowledge. Each teacher will provide each student with a written explanation of the expectations and the grading system for the course of study.

The following letter grades indicate what the student has achieved in a class, relative to the five stated components of evaluation.

A	Excellent
B	Above Average
C	Average
D	Meeting minimum requirements
F	Does not meet minimum requirements
S	Satisfactory
U	Unsatisfactory

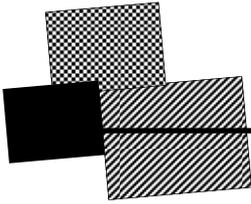
Satisfactory (S) / Unsatisfactory (U) System

A student may elect to take one non-required course per semester on a S/U basis rather than the usual grading system. For World Language, level 3 and above qualify for S/U. All department assistants and work experience students will be graded S/U.

Students desiring to take a course on a S/U basis need to declare this intention by the end of the fifth week of the semester. This should be done in consultation with one's teacher, counselor and parent.

Incompletes

An incomplete will be assigned when circumstances beyond the student's or the teacher's control prevent the student from completing the course work on time and when there is a definite goal to finish the course. A student may be given an incomplete grade in other circumstances if the teacher and the student's counselor agree that this action best serves the student. The course shall be finished in a timely fashion, usually not more than two weeks beyond the end of the grading period. Failure to do so within two weeks will result in an "F" unless prior arrangements for a time extension have been made with the Assistant Principal.



Academic Policies

Weighted GPA

Grade point average is determined using a four-point system for non-weighted classes and a five-point system for weighted classes. The following AP and honors courses, along with fourth year world language courses, receive weighted GPA credit.

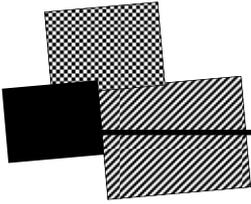
Advanced Placement and Honors Courses

The Advanced Placement Program offers college-level courses that are challenging and stimulating. These courses allow for individual progress and accomplishment, and explore subjects in greater depth. Exams given to seniors in the spring give students the opportunity to gain advanced placement and/or college credit. Please refer to individual colleges for their AP policy. For admissions into an AP or Honors course at Lakeridge please refer to the course descriptions in this guide.

Freshman Honors English	AP Biology
Sophomore Honors English	AP Physics 2
AP English Lang and Composition (Junior)	AP Chemistry
AP English Lit and Composition (Senior)	Pre-Calculus
AP US History (Junior)	AP Calculus AB
AP History: Issues & Research (Senior)	AP Calculus BC
AP European History	Calculus 3
AP Economics	AP Statistics
AP Human Geography	AP Studio Art/2D Design
AP Psychology	AP Studio Art/3D Design
AP French Language	AP Music Theory
AP Chinese Language	
AP Spanish Language	

Honor Roll

Each semester students who earn a weighted GPA of 3.5 and above in their Lakeridge High School classes are placed on the Lakeridge Honor Roll. This list of outstanding students is printed in the *Lake Oswego Review* at the end of each semester.



Academic Policies

Class Changes

Students must see their counselor for any schedule changes. See below for specific guidelines.

Drops: Students may request to drop courses up to the end of the third week of the semester in accordance with the current scheduling guidelines. Courses that have been dropped within the first three weeks will not appear on their transcript.

Withdrawals: Students may withdraw from a course between the fourth and eighth week of a semester. Students who have teacher, parent, and counselor approval to withdraw from a course will receive a “W” which will appear on the transcript. If the student is earning an “F” at the time of withdrawal they will receive a “W/F” on their transcript. Neither a “W” or a “W/F” will impact a student’s GPA.

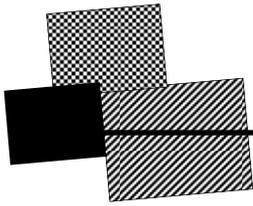
***Students who withdraw or drop a course after the eighth week of the semester will receive an “F” on their transcript. The “F” grade will be calculated into the student’s GPA.

Credit for Courses Completed Prior to Ninth Grade

Students may earn high school credit for accelerated courses taken prior to the 9th grade that were equivalent to high school courses within the District. A student who takes Algebra and/or Geometry will be allowed to have those classes count as part of their total of 25 credits but the student must still complete three credits of math while in high school. Students who take a World Language will receive credits required at the high school level.

Additional Course Make-up / Credit Recovery

Credits for recovery of courses failed, or courses taken for additional credits, may be earned through summer sessions, on line schools, state approved alternative programs, evening high school, college/university, community college, work experience, training internships or other approved off-campus experiences. Normally, students may apply no more than four (4) units of off-campus credit toward fulfilling graduation requirements. Make-up credits **do not** replace grades earned in Lakeridge classes. **To receive credit, students must obtain course approval from their counselor and the Assistant Principal before enrolling.**



College Admission Requirements

All graduates are encouraged to consider and participate in some type of education or training beyond high school and throughout their lives. Since, on average, 75% of Lakeridge graduates proceed to a four-year college/university and 20% attend community colleges, a great deal of attention is paid to preparing our students for college. The most important part of this process is for each student to enroll in a challenging and full course of study during all four years of high school. When the student accepts this responsibility, and meets the requirements for the Lakeridge diploma, he or she has met most (if not all) of the curricular requirements for admission to the eight campuses of the Oregon Public Universities as well as the admission requirements for any number of state and private colleges around the country. These requirements are:

English (4 credits) includes the study of the English language, literature, speaking and listening, and writing. This study emphasizes frequent practice in writing expository prose all four years.

Mathematics (3 credits) includes Algebra, Geometry and Advanced Algebra. Algebra and Geometry taken before ninth grade will be accepted as elective credit. Students are required to take three credits of mathematics in high school. However, students are advised to continue taking mathematics in the senior year to be fully prepared for college.

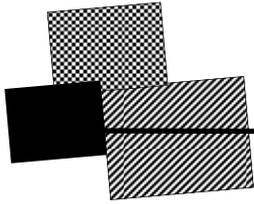
Science (2 credits) includes a year each in two fields of college preparatory science (such as Geoscience, Biology, Chemistry, or Physics), with at least one course being a laboratory science. All of Lakeridge's year-long science courses, except Engineering and Design, are laboratory sciences.

Social Studies (3 units) includes one year of World History and Geography (or Global Studies), one year of U.S. History, and one year of additional social studies.

World Language (2 credits) which means two years of the same language in high school. Students that have taken high-school-level French or Spanish in middle school will receive credit to be applied towards the 25 credit graduation requirement.

The University of Oregon requires 16 academic units, rather than the 14 listed above. In addition to the course requirements, an applicant to a state university must achieve a certain GPA (which varies by the school) and must take at least one of the college admission tests, SAT and/or ACT. For guaranteed admission students may not have a "D" in a core class on their transcript.

Most private colleges/universities and some state schools in other states have higher admission standards than those given above. Student and parents/guardians are encouraged to obtain specific information about colleges from web sites and from the counseling department.



Expanded Options

The Expanded Options Program (Senate Bill 300) provides eligible high school students access to credit for college level coursework funded by the Lake Oswego School District. Eligible students may receive, at no cost, dual college credit and Advanced Placement testing for Advanced Placement courses offered at either district high school. The current dual credit and Advanced Placement courses are noted in the curriculum guide.

Eligibility:

The Oregon Department of Education determined that school districts may offer dual college credit courses and Advanced Placement Testing, at no cost to students who meet the definitions of 'at risk' and 'otherwise qualified' as follows:

- Qualifies for the free and reduced lunch program; or
- Qualifies through the Lake Oswego School District Fee Waiver/Reduction Program; and/or
- Has officially dropped out of high school, but would re-enroll in order to participate in this program; and
- Is currently enrolled in four or more courses at Lake Oswego High School or Lakeridge High School; and
- Will be in grade 11 or 12 during the school year in which they enroll in the Expanded Options Program; and
- Will be 16 years old or older at the time of enrollment in a course under the Expanded Options Program; and
- Has an educational learning plan on file with the high school; and
- Has not successfully completed four years of high school; and
- Is not enrolled in our district high schools as a foreign exchange student; and
- Meets all of the academic and other requirements of the district to participate in the dual credit classes and/or Advanced Placement courses in which they choose to participate.

There is no limit to the number of dual credit or Advanced Placement classes an eligible student may take under this program. This program is available for all eligible students for all dual credit or Advanced Placement courses during the period of time they are eligible for the program.

Additional Information:

This program does not change district policy or graduation requirements. This program offers the opportunity to access the dual college credits offered in our high schools and Advanced Placement Testing funded by the school district for eligible students.

- As in the past, students who are eligible for the Expanded Options Program as well as students who do not qualify for the program may continue to take college credit course work off campus at their own expense and apply it towards graduation requirements as allowed in the district graduation policy and regulations.
- As in the past, students who are not eligible for the Expanded Options Program may continue to participate in dual college credit courses and Advanced Placement Testing at their own expense.

The District reserves the right to approve all courses that are a part of the Expanded Options Program. Students must receive a grade of "B" or better to receive dual credit.

Expanded Options

Lakeridge High School and
Portland Community College, Clackamas Community College,
Portland State University

Dual Credit Courses—Portland Community College

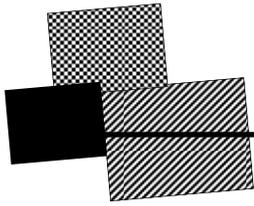
High School Course Title	Course under Agreement
<u>Mathematics</u>	
AP Calculus AB (Credit: 1.0)	MTH 251 (Credit: 4.00)
AP Calculus AB (Credit: 1.0)	MTH 252 (Credit: 5.00)
AP Calculus BC (Credit: 1.0)	MTH 253 (Credit: 5.00)
<u>Fine Arts</u>	
A Cappella Choir (Credit: 1.0)	MUS 221 (Credit: 1.00)
<u>Science</u>	
AP Biology (Credit: 1.0)	BI 101, BI 102, BI 103 (Credit: 4.00 each)
AP Chemistry (Credit: 1.0)	CH 221 (Credit: 5.00)
Oceanography (Credit: 1.0)	GS 108—Physical Science (Credit: 4.00)
<u>English</u>	
AP English Language & Composition (Credit: 1.0)	WR 122 (Credit: 4.00)
Journalism	J 103 (Credit: 4.00)

Dual Credit Courses—Clackamas Community College

High School Course Title	Course under Agreement
<u>Electives and World Languages</u>	
Spanish 4 (Credit: 1.0)	SPN 201, SPN 202, SPN 203 (Credit: 4.00 each)
French 4 (Credit: 1.0)	FR 201, FR 202, FR 203 (Credit: 4.00 each)
Automotive Fundamentals (Credit: 0.5)	AM 100 (Credit: 3.00)
Small Engine Repair (Credit: 0.5)	AM 118 (Credit: 3.00)
General Auto Repair (Credit: 0.5)	AM 121 (Credit: 3.00)

Concurrent Credit Courses—Portland State University

High School Course Title	Course under Agreement
<u>Social Sciences and World Languages</u>	
AP History: Issues & Research (Senior) (Credit: 1.0)	HST 201 (Credit: 4.00), HST 202 (Credit: 4.00) and HST 203 (Credit: 4.00)
Chinese 4 (Credit: 1.0)	CHN 201 (Credit: 5.00)
AP Chinese Language and Culture (Credit: 1.0)	CHN 202 (Credit:5.00) and CHN 203 (Credit:5.00)



Credit for Proficiency

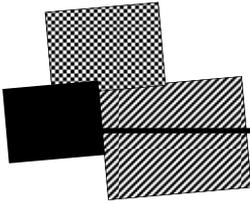
Physical Education

To provide flexibility in our students' program of study, LOSD is allowing the second Physical Education 0.5 credit to be substituted with proficiency credit through participation in a high school or community school sport. Reminder: Required PE must be taken on campus in order for credit to be earned for Required PE.

To receive proficiency credit, a student must complete the appropriate paperwork and participate in a high school or community school sponsored sport. Once the sport is completed and paperwork is submitted, Proficiency Credit for P.E. will be added to the student's transcript. The student will earn Satisfactory/Unsatisfactory credit based on proficiency credit requirements.

- Only juniors/seniors who have completed Required PE may apply for proficiency credit.
- Students are to meet with their counselor to discuss their decision to apply for proficiency credit.
- Students are limited to 0.5 physical education proficiency credit each year. Proficiency credit does not count as one of the five courses OSAA requires a student to be enrolled in to participate in athletics and activities.
- Proficiency credit counts as one of the five classes that a student is required to pass to participate in an upcoming sport/activity per OSAA guidelines.
- If a student is injured during the season, he or she can request to have his or her application withdrawn without penalty. The student is responsible for notifying his or her counselor immediately.
- Paperwork submitted after the end of the semester will not be eligible for a passing grade.





Visual Arts

<u>Course Title</u>	<u>Credit</u>	<u>Repeated for Credit</u>	<u>Prerequisite</u>	<u>Grade Offered</u>
Art 1	.5	no	no	9-12
Art 2	.5	no	yes	9-12
Art 3	.5	yes	yes	10-12
AP Studio Art/2-D Design	1	yes	yes	11-12
AP Studio Art/3-D Design	1	yes	yes	11-12
Ceramics 1: Beginning	.5	no	no	9-12
Ceramics 2: Advanced	.5	yes	yes	9-12
Ceramics 3: Sculpture	.5	yes	yes	10-12

Art 1

Grades: 9-12
One semester
Prerequisite: None

Credit: .5

Art 1 is a course that focuses on drawing. Traditionally, we think of drawing as a pencil on a piece of paper. We will explore drawing in all its capacities using various media that could include collage, scratchboard and inks. Studio work will develop and reinforce student understandings of the elements and principles of art and design. Students will learn how to create, critique, evaluate and appreciate works of art. Students will improve their ability to create via direct observation. Students will explore their own aesthetic views. Art history will be infused throughout the course. There is a fee for materials the student takes home.

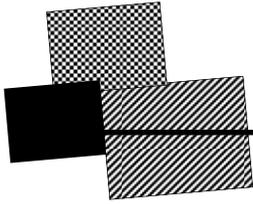
Art 2

Grades: 9-12
One semester
Prerequisite: Art 1

Credit: .5

Art 2 is a course that focuses on painting. We will explore painting using tempera, watercolor and acrylic. Studio work will develop and reinforce student understandings of the elements and principles of art and design. Students will learn how to create, critique, evaluate and appreciate works of art. Students will improve their ability to create via direct observation. Students will explore their own aesthetic views. Art history will be infused throughout the course. There is a fee for materials the student takes home.





Visual Arts

Art 3

Grades: 10-12

Credit: .5

One Semester

Prerequisite: Art 1, Art 2 & Instructor's Recommendation

Art 3 is an academically rigorous class. Art 3 is designed for the art student who intends on applying for the AP studio art class and/or is serious about pursuing art in high school and beyond. Art 3 students can count on many out of class projects and a minimum of six hours of art related work (in addition to class time) per week. Students who elect to take this course should be self-motivated and self-directed as well as cooperative, responsible art students. There is an emphasis on developing creative, conceptual thinking as well as personal expression and observational drawing skills. Students will work in a variety of media including drawing, painting, printmaking, photography, collage and more. Art history will be infused throughout the course. The course may be repeated for credit.

AP Studio Art /2-D Design

Grades: 11-12

Credit: 1

One year

Prerequisite: Art 1, Art 2, Art 3 & Completed Application

(Two completed semesters of Art 3 preferred)

AP Studio Art is designed to allow the experienced and serious art student to investigate specific areas of art in depth. AP Studio Art is an academically rigorous class. Students will choose from a variety of art areas from self-directed and designed art experiences. Students who elect to take this course should be self-motivated and self-directed as well as cooperative, responsible art students. This course is especially directed toward those preparing art portfolios for college entrance. Critiques, written analyses, blogging, artist statements, out of class assignments and completion of the AP portfolio will be required. Students are asked to attend a retreat and take the AP test. There is a fee for materials the student takes home. The course may be repeated for credit.

AP Studio Art/3-D Design

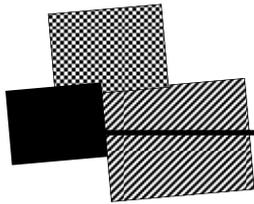
Grades: 11-12

Credit: 1

One year

Prerequisite: Ceramics 1, Ceramics 2, Ceramics 3 & Completed Application

AP 3-D Design is designed to allow the experienced art student to investigate specific areas of three-dimensional form in depth. Students will choose from a variety of art areas from self-directed and designed art experiences. Students who elect to take this course must be self-motivated and self-directed as well as cooperative, responsible art students. This course is especially directed toward those preparing art portfolios for college entrance. Written analyses, sketchbooks, a written artist statement, out-of-class work, and an artist's portfolio will be required. Ongoing critiques and self-evaluations will be an integral part of this class. There is a fee for materials the student takes home. Course may be repeated for credit.



Visual Arts

Ceramics 1: Beginning

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

Ceramics blends design ideas and studio experience in clay to provide an introductory experience in the Visual Arts. Elements and principles of design are emphasized as foundational ideas in ceramic media. Students will learn how to create, critique, evaluate, and appreciate works of art through beginning hand-building techniques such as pinch, coil, slab and mold work; introductory forms on the potter's wheel; and exploration of decorative techniques. This course is required for Advanced Ceramics. There is a fee for materials the student takes home.

Ceramics 2: Advanced

Grades: 9-12

Credit: .5

One semester

Prerequisite: Ceramics 1

Advanced Ceramics expands on the ideas and skills gained in Beginning Ceramics. As in other art courses, studio work will develop and reinforce student understandings of the elements and principles of art, which is an integral part of a strong portfolio. Students are encouraged to develop creative thinking and personal expression as well as skills, techniques and understanding needed to create quality work. Students will explore and expand on a variety of ceramic techniques, including more complex hand-building, sculptural ceramics, and a variety of wheel-throwing. Additionally, students are encouraged to explore a variety of alternative firing techniques such as Raku, Salt/Soda firing, wood firing, and pit firing. Student's interest in the subject strongly influences the curriculum. There is a fee for materials the student takes home. Course may be repeated for credit.

Ceramics 3: Sculpture

Grades: 10-12

Credit: .5

One semester

Prerequisite: Ceramics 1 & Ceramics 2

Sculpture is a studio experience designed to broaden the student's concept of art media and creativity. Sculpture is recommended for the art student who intends on applying for the AP-3D studio art class and/or is serious about pursuing art in college and beyond. A wide range of less familiar materials and techniques will be explored and utilized in the sculpture processes to encourage creative problem solving. Media will include clay/ceramics, wood, metal, plaster, foam and mold making. Emphasis is placed on individual idea development and inventive use of media. As in other art courses, studio work will develop and reinforce student understandings of the elements and principles of art and design, which is an integral part of a strong portfolio. There is an emphasis on developing creative thinking and personal expression as well as skills, techniques and understanding needed to create quality work. Course may be repeated for credit.

Performing Arts

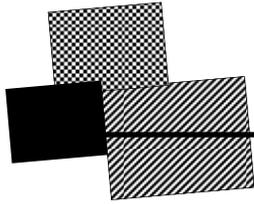
<u>Course Title</u>	<u>Credit</u>	<u>Repeated for Credit</u>	<u>Prerequisite</u>	<u>Grade Offered</u>
Acting 1	.5	no	no	9-12
Acting 2	.5	no	yes	10-12
Acting 3	.5	yes	yes	10-12
Theater Tech	.5	yes	no	9-12
Performance Seminar	.5	yes	yes	9-12
Musical Theater Workshop	.5	yes	no	9-12
Advanced Musical Theater	.5	yes	yes	10-12
Symphonic Band	1	yes	no	9-12
Wind Ensemble	1	yes	yes	9-12
Jazz Ensemble	1	yes	yes	9-12
Philharmonic Orchestra	1	yes	no	9-12
Symphony Orchestra	1	yes	yes	9-12
Pacer Choir (Boys)	1	no	no	9
Treble Choir (Girls)	1	no	no	9
Concert Choir	1	yes	yes	10-12
Chamber Choir	1	yes	yes	10-12
A Cappella Choir	1	yes	yes	11-12
Company	1	yes	yes	11-12
AP Music Theory	1	no	yes	10-12

Acting 1

Grades: 9-12
 One semester
 Prerequisite: None

Credit: .5

This course introduces the various aspects of acting, theater terminology, and theatre history. The course aims to focus the student actor by concentrating on physical movement, strong and correct verbal skills, and character creation. These skills are blended through scenes, monologues, improv techniques and theater history. Coursework includes written response on script analysis, character analysis, and various acting topics. Students may need to participate in some out of class activities.



Performing Arts

Acting 2

Grades: 9-12

Credit: .5

One semester

Prerequisite: Acting 1 or Instructor's Approval

Acting 2 picks up where Acting 1 leaves off and goes more in depth with performance styles and scene work. Review of basic acting techniques and skills are revisited, but a more in depth focus on training the student actor for various performance styles is highlighted through performing scenes from various genres of theatre including, but not limited to, Greek Tragedy, Roman Theatre, Commedia dell'Arte and British Farce. Students also explore Improv as a tool to create scenes, monologues and characters. Students are exposed to theater history through scene and monologue work, with an intense and inspiring Shakespeare Scene Unit. Students also write their own scenes and direct them at the end of the semester for a class production.

Acting 3

Grades: 10-12

Credit: .5

One semester

Prerequisite: Acting 1 & Acting 2 or Instructor's Approval

Students continue development of acting skills through improvisation, character analysis, and scene analysis. The course focuses on the specific techniques and theories of acting. Students also study scripts both individually and as a group. In addition, students develop a monologue repertoire and audition techniques. Students analyze their own performances and the performance of others. Students work together to put on a full class performance at the end of the semester. Course may be repeated for credit.

Theater Tech

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

Theatre Tech offers all students the opportunity to create a framework for the technical aspects of productions. Students cover set design and construction, props, costumes, make-up, lighting and sound design through classroom assignments and Lakeridge productions. As a requirement for the class, students will serve as the backstage crew for any production during the semester. Students will work backstage as a team during class time, rehearsals and performances to make the show work from a technical standpoint. The course does require extra time outside of class for rehearsals and performances. Accommodations may be made with instructor approval. Course may be repeated for credit.

Performance Seminar

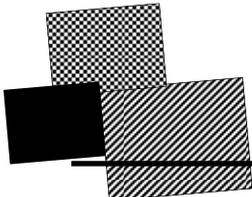
Grades: 9-12

Credit: .5

One semester

Prerequisites: Acting 1

This course is designed to focus the students' acting skills through in-depth study of Shakespearean scripts. Students will perform monologues, scenes and full acts, culminating in an "end of semester" showcase. The student will participate in casting, rehearsing, building and acting in a workshop performance. Teamwork is an essential part of the class. Course may be repeated for credit.



Performing Arts

Musical Theater Workshop

Grades: 9-12

Credit: .5

One semester

Prerequisites: None

A class devised for students whose interest in the theatrical arts tends to be towards that truly American contribution to the work theater: The Musical. This class will study musical theater by creating, casting and performing a Broadway Review. The focus of this class is on singing and dancing and working together in a large group. Course may be repeated for credit.

Advanced Musical Theater

Grades: 10-12

Credit: .5

One semester

Prerequisites: Musical Theater Workshop

This class is for students who want to continue to study musical theatre. These students should be ready to assume leadership roles in the class and on the stage. This class is mixed in with Musical Theater Workshop and may be repeated for credit.

Symphonic Band

Grade: 9-12

Credit:1

One year

Prerequisites: None

The Symphonic Band is an ensemble in which students can develop and reinforce fundamentals of instrumental music-making. They will learn to develop technical skills including rhythm-reading, tone production, rehearsal skills, and articulation, and they will delve into what it means to emote by making music. This group will also critique musical performances in order to develop convictions in connections with a variety of music. Course may be repeated for credit.

Wind Ensemble

Grades: 9-12

Credit: 1

One year

Prerequisites: Audition/Instructor's Approval

The Wind Ensemble is an audition ensemble that represents Lakeridge at festivals and contests, and is committed to performing the highest quality wind band repertoire. In the Wind Ensemble, students learn to hone their musical skills and develop all fundamentals necessary to display the finesse of professional musicianship. They will also engage in discussions regarding music and further develop their musical knowledge and opinions. Course may be repeated for credit.

Jazz Band

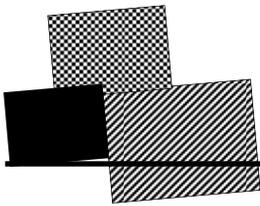
Grades: 9-12

Credit: 1

One year

Prerequisites: Audition/Instructor's Approval

Jazz Band provides instrumental music students an opportunity to develop their musical abilities in improvisation, swing-era jazz in the Basie and Ellington style, contemporary jazz, and Latin styles. Students will also learn and be responsible for basic music theory concepts. Wind players should be concurrently enrolled in Symphonic Band or Wind Ensemble. Course conflicts are on a case by case basis and must be approved by the instructor. Course may be repeated for credit.



Performing Arts

Philharmonic Orchestra

Grades: 9-12

Credit: 1

One year

Prerequisite: Previous experience or with instructor's approval

Orchestra is open to all students who have had previous experience on a string orchestral instrument. Students will be placed into an ensemble by the instructor based on their individual musicianship and the instrumentation needs of the ensemble. Orchestra provides the opportunity for students to develop their musical potential and aesthetic understanding through performance. Study includes the care and cultivation of a beautiful tone and intonation, the ability to read music, building technical skills, team spirit and responsible rehearsal habits. Individual practice outside of class is expected and performance attendance is required.

Symphony Orchestra

Grades: 9-12

Credit: 1

One year

Prerequisite: Previous experience or with instructor's approval

Orchestra is open to all students who have had previous experience on a string orchestral instrument. Students will be placed into an ensemble by the instructor based on their individual musicianship and the instrumentation needs of the ensemble. Orchestra provides the opportunity for students to develop their musical potential and aesthetic understanding through performance. Study includes the care and cultivation of a beautiful tone and intonation, the ability to read music, building technical skills, team spirit and responsible rehearsal habits. Individual practice outside of class is expected and performance attendance is required.

Pacer Choir

Grade: 9

Credit: 1

One year

Prerequisite: None

Pacer Choir is a non-auditioned group for freshmen with voices that sing in the tenor or bass range. The course emphasizes vocal technique, singing skills, rehearsal and performance etiquette, basic music theory, and teamwork. This group performs in four concerts at Lakeridge during the school year.

Treble Choir

Grade: 9

Credit: 1

One year

Prerequisite: None

Treble Choir is a non-auditioned group for freshmen with voices that sing in the soprano or alto range. The course emphasizes vocal technique, singing skills, rehearsal and performance etiquette, basic music theory, and teamwork. This group performs in four concerts at Lakeridge during the school year.

AP Music Theory

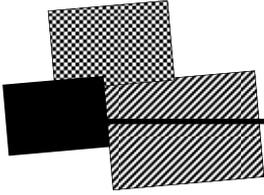
Grades: 10-12

Credit: 1

One year

Prerequisite: Instructor approval

AP Music Theory is a college-level course that explores the fundamental structure and function of music. Through aural and written analysis, students will learn advanced musical skills such as harmonic analysis, composition, melodic and harmonic dictation, and sight-singing. Topics covered include key signatures, triads, intervals, rhythms, melodic structure, harmonic chord progression, texture, form, ear training and some music history and style. The AP Music Theory course requires prior music experience and additional summer work. The AP Music Theory exam will be offered in May.



Performing Arts

Concert Choir

Grade: 10-12

Credit: 1

One year

Prerequisites: Audition
Instructor's Approval

Concert Choir is for 10-12 grade singers with voices that sing in any range. The curriculum builds on foundational skills obtained in the Pacer or Treble Choir, but is also open to new singers with director approval. Students will work to improve confidence, stage presence, singing skills, and understanding of music theory. This group performs in four concerts at Lakeridge during the school year.

Chamber Choir

Grades: 10-12

Credit: 1

One year

Prerequisites: Audition
Instructor's Approval

Chamber Choir is for 10-12 grade singers. The curriculum challenges intermediate level singers with more advanced literature, music theory practice, sight-singing, and a more rigorous rehearsal process. A basic understanding of vocal technique must be demonstrated during the audition process to be placed in this choir. The group performs in four concerts at Lakeridge during the school year.

A Cappella Choir

Grades: 11-12

Credit: 1

One year

Prerequisites: Audition
Instructor's Approval

A Cappella Choir is a large, yet select, group of singers. This group is the leading representative of the Lakeridge choir program, and students will perform many styles of choral music. In addition to school concerts, this group will participate in additional festivals and performances away from the school. Students will be required to demonstrate advanced singing ability and musical knowledge to be admitted to this group. Course may be repeated for credit.

Company

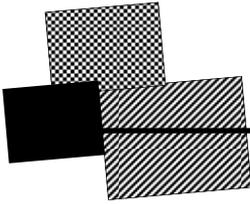
Grades: 11-12

Credit: 1

One year

Prerequisites: Audition
Instructor's Approval

Company is a select choral music group at Lakeridge. A two-part audition consisting of singing and dancing occurs each spring. The group travels and performs extensively throughout the year. Styles of music range from Broadway to Pop to Jazz. Company members will also be enrolled in the A Cappella Choir. Course may be repeated for credit.



Business

<u>Course Title</u>	<u>Credit</u>	<u>Repeated for Credit</u>	<u>Prerequisite</u>	<u>Grade Offered</u>
Income & Money Mgmt	.5	no	no	9-12
Marketing 1	.5	no	no	9-12
Marketing 2: Advertising	.5	no	yes	10-12
Marketing 2: Sports & Entmt	.5	no	yes	10-12
Marketing 3: Entrepreneurship	.5	yes	yes	10-12

Income & Money Management

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

This course is designed to help students develop skills and knowledge necessary to function as conscious, intelligent consumers and economic citizens. Students will explore the roles of government, businesses, and consumers to better understand how those three entities interact. Specific consumer oriented units include: budgeting, online banking, credit, investing, insurance, consumer decision-making, and taxes. Specific introduction to business units include: economics, social responsibility of business, business ethics, business organization, entrepreneurship, management, and marketing.

Marketing 1

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

Marketing 1 prepares students who are planning to study business in college, work in the business field after graduation, or apply marketing principles to everyday life. Connecting real world business through the study of marketing concepts, consumer decision making, personal selling, advertising, promotion, sales, branding and product marketing, distribution, pricing and marketing research; students will gain a broad perspective of the business world, their communities, and themselves. Students will conduct presentations and activities throughout the semester relating to the course curriculum.

Marketing 2: Advertising

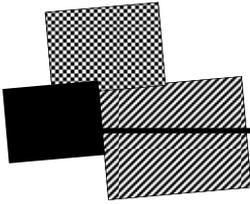
Grades: 10-12

Credit: .5

One semester

Prerequisite: Marketing 1

Marketing 2: Advertising is a course designed to further build upon knowledge and skills learned in Marketing 1 with an emphasis on the advertising industry including broadcast, print, digital, and social media. The class will explore both the creative side of advertising and the account management side of advertising. Learning about and using graphic design principles along with effective marketing techniques, students will have the opportunity to construct their own ad campaigns and conduct case studies on local businesses. Students will create advertising for Lakeridge events and organizations. The course will also focus on building creativity, applying critical thinking, and the psychological influence of advertising.



Business

Marketing 2: Sports & Entertainment

Grades: 10-12
One semester
Prerequisite: Marketing 1

Credit: .5

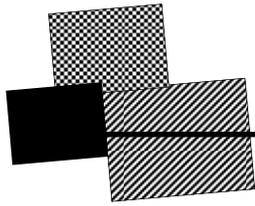
Marketing 2: Sports and Entertainment is a course designed to further build upon knowledge and skills learned in Marketing 1 with an emphasis on direct application to the growing industry of Sports and Entertainment Marketing. Students will make formal presentations on current Sports and Entertainment issues and research, and will create marketing strategies to promote athletes, teams, products, movies, TV shows, productions, and entertainers. Students will also study the evolution of marketing through Social Media and its impact on the Sports and Entertainment industry. Real-world case studies (Nike, Adidas, Under Armour, Collegiate Athletic Programs, Sports Media, Fashion, TV, Radio, Music, Movies) and guest speakers will be incorporated throughout the semester.

Marketing 3: Entrepreneurship

Grades: 10-12
One semester
Prerequisite: Marketing 1

Credit: .5

Marketing 3: Entrepreneurship is a college preparatory class partnered with DECA, a national association of marketing students. Students will build upon knowledge learned in previous business courses and apply them to independent, student-led business projects. Students will author a DECA marketing project and create a professional business presentation. Project possibilities include: an advertising campaign, a business plan, fashion merchandising promotion plan, international business plan, business community service project, marketing research plan, internet business plan, public relations project, sports marketing plan, and others depending on student interest. Students will also run a school-based enterprise making real business decisions to meet business goals. Class units of study include: management, operations, entrepreneurship, advertising campaigns, travel and tourism marketing, hospitality management marketing, e-commerce, fashion, and retail merchandising. All units of study take a global perspective. To complement class learning, students will meet professionals working in various business career fields. Course may be repeated for credit.



English

<u>Course Title</u>	<u>Credit Type</u>	<u>Prerequisite</u>	<u>Grade offered</u>
Freshman English	Required—1	no	9
Advanced Communication Skills	Required—.5	no	9
Sophomore English	Required—1	no	10
Junior English	Required—1	no	11
Senior English	Required—1	no	12
Freshman Honors English	*Required—1	yes	9
Sophomore Honors English	*Required—1	yes	10
AP English Language and Composition	*Required—1	yes	11
AP English Literature and Composition	*Required—1	yes	12
Journalism	Elective—.5	no	9-12
Creative Writing	Elective—.5	no	10-12
Newspaper	Elective—1	yes	10-12
Yearbook	Elective—1	yes	10-12
Literature Through Film Studies	Elective—.5	yes	11-12
Storytelling with Media	Elective—.5	yes	11-12
Reading for Enjoyment	Elective—.5	no	9-12
English Applications	*Required—1	yes	9-12
*May substitute as the required credit for the English course offered at the same grade level.			
English as a Second Language (ESL) classes are offered by the school district			

Freshman English

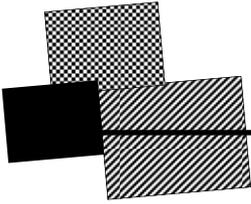
Grade: 9

Credit: 1

One year

Prerequisite: None

The literature covered in this course includes *To Kill a Mockingbird*, *Cyrano de Bergerac*, *Romeo and Juliet* and a variety of other selections, including short stories, essays, drama and poetry. Students explore additional works of literature from an extended list of titles. This integrated study of literature teaches writing skills, language use, and vocabulary development. Writing instruction targets informative/explanatory as well as fictional and/or personal narrative modes.



English

Advanced Communication Skills

Grade: 9

Credit: .5

One semester

Prerequisite: None

ACS is a required course providing students with instruction in advanced reading and speaking skills. The design of this course helps students meet state standards necessary for achieving academic certification. Students learn to construct meaning in oral and written works using a variety of processes. In this course students will:

- determine stated and implied meaning in printed material and oral presentations;
- analyze and evaluate ideas and information in oral and written communications;
- communicate using stylistic devices appropriate to audience and purpose;
- apply strategies to monitor their understanding.

Sophomore English

Grade: 10

Credit: 1

One year

Prerequisite: None

Sophomore English examines ethics in literature focusing on the heroic quest. The literature includes The Bible as literature, *The Odyssey*, *Of Mice and Men*, *A Separate Peace*, *Lord of the Flies*, Arthurian Legends and *The Tragedy of Julius Caesar* or *Macbeth*. The core curriculum also includes titles from an extended list and selections from the anthology text. Literature study builds upon and integrates student skills in writing, speaking, language use, and vocabulary development. Writing instruction targets informative/explanatory, fictional and/or personal narrative, and argumentative writing.

Junior English

Grade: 11

Credit: 1

One year

Prerequisite: None

Junior English studies American Literature and the philosophies of Puritanism, Romanticism, Transcendentalism, and Modernism. Major works covered during this year include *The Crucible* and *The Great Gatsby*, as well as other American novels, stories, poems and plays. Literature study integrates language study, including vocabulary development and usage. Writing instruction targets informative/explanatory and argumentative modes, with special attention given to the study of the research process and literary analysis.

Senior English

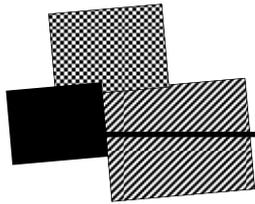
Grade: 12

Credit: 1

One year

Prerequisite: None

Senior English students study the nature of being human as portrayed in literature, focusing on how humans achieve integrity and coherence in their lives. The literature includes *Hamlet*, *Siddhartha*, *Oedipus Rex*, an anti-utopian novel and a comedy. Students explore additional works of literature from an extended list of titles. Through the reading of these works and comparing romantic, tragic, satiric, and comic views of human nature, students examine some of humankind's most difficult and persistent questions. Literature study integrates language study, including vocabulary development. Writing instruction targets academic writing in the informative/explanatory and argumentative modes, as well as narrative and personal/expressive writing.



English

Honors and AP English Classes

Grades: 9-12

Credit: 1

One year

Prerequisite: Complete application process

Students who demonstrate a genuine commitment to literature study and who write with exceptional proficiency, clarity, and fluency, and who are willing to take risks intellectually are encouraged to take Honors and AP English classes. Honors and AP English courses challenge talented and motivated students who excel in English. Students will be asked to read perceptively and extensively, as well as write expansively about different pieces of literature. Students are expected to discuss in detail, to elaborate, to ask intriguing questions, to draw inferences and to make insightful connections in their study of literature and language. All levels include additional reading and writing expectations beyond the regular college-prep English program, including summer assignments.

Placement in Honors English classes is determined each spring through an application process. The application process for incoming freshmen and transfer students differs from that for students currently attending Lakeridge High School, who solely have to complete a contract acknowledging their willingness to take on the challenge of the course. Incoming 9th-grade students are recommended based on their performance on state tests, an on-demand essay, and a teacher evaluation. Transfer students may apply in August or may make arrangements with administration to apply at a more convenient time. The application for transfer students consists of writing an on-demand essay.

If students meet the criteria described in their application packet, teachers will advise them of their acceptance. Students who do not meet the eligibility score will be given this information and advised how to proceed if they continue to have interest. If appropriate, those students may exercise an option to join the class and avail themselves of the extra challenge it provides.

AP English Language & Composition

Grade: 11

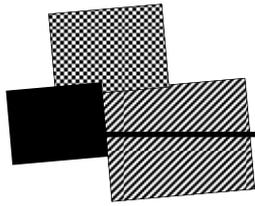
Credit: 1

One year

Prerequisite: Complete AP application process

Through a study of texts from the seventeenth through the twenty-first century, AP English Language and Composition focuses on the diverse American experience. Students will study non-fiction, fiction, poetry and drama, with specific attention to how authors use rhetorical strategies, linguistic choices and literary techniques. Visual images and graphics will also be analyzed in conjunction with written texts and as texts themselves. Students will write in several modes (e.g., narrative, informative/explanatory, and argumentative essays), incorporating an increasingly sophisticated use of vocabulary, syntax, logic and rhetoric. Research skills, in particular the ability to evaluate, use and cite primary and secondary sources, will be developed in order for students to write a researched argument paper, which presents an argument through the analysis and synthesis of various texts.

The AP English Language and Composition course includes additional reading and writing expectations beyond the regular English program, including summer assignments. The AP English Language and Composition exam will be offered in May.



English

AP English Literature & Composition

Grade: 12

Credit: 1

One year

Prerequisite: Complete AP application process

AP English Literature and Composition engages students in the experience of literature, the interpretation of literature and the evaluation of literature. Through deliberate and thoughtful reading of poems, plays, short stories and novels from the sixteenth to the twenty-first century, students will deepen their understanding of how language provides meaning and pleasure. As they read, students will identify and analyze the elements of literature, such as structure, style, themes, imagery, symbolism and tone. Students will respond to the texts through a variety of writing tasks, including informative/explanatory, argumentative and narrative essays. In addition to writing essays for homework, students will complete in-class timed writings, assessments designed to prepare students for the essay examinations they may encounter in college. Some writing will be informal and exploratory, encouraging students to develop their own writing voice.

The AP English Literature and Composition course includes additional reading and writing expectations beyond the regular English program, including summer assignments. The AP English Literature and Composition exam will be offered in May.

Journalism

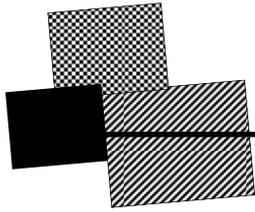
Grades: 9-12

Credit: .5

One semester

Prerequisite: None

Journalism students write and submit stories for our school newspaper website, Lakeridgenewspacer.com. Through the course, students will become better writers by learning to write for a specific audience and purpose. Units will include news writing, feature writing, interviewing, editorial writing, sports writing, and press law. Students will also work with basic graphic design, including photo editing and story package design. Students who successfully complete this course can apply to be on the Newspaper staff.



English

Creative Writing

Grades: 10-12
One semester
Prerequisite: None

Credit: .5

Creative Writing expands students' awareness and appreciation of writing as a process. Writing from experience and imagination, students learn to use a variety of techniques for drafting, composing, and editing. Students write extensively in class and at home, complete daily assignments, create polished writing pieces, and participate actively in editing processes. In addition, students examine the styles of various authors as well as literary genres: fiction, drama, and poetry. Course may be repeated once with instructor's approval.

Newspaper

Grades: 10-12
One year
Prerequisites: Journalism
Senior with Instructor's Approval

Credit: 1

Newspaper is a challenging class in which students immediately assume the responsibilities of operating a newspaper. Throughout the year, students learn such skills as writing, editing, computer layout, and production. Students who are skilled in marketing, photography, graphic arts, cartooning, word processing and language are encouraged to apply. Students and a teacher/adviser run and manage the *Newspaper*. Course may be repeated for credit.

Yearbook

Grades: 10-12
One year
Prerequisite: Instructor's Approval

Credit: 1

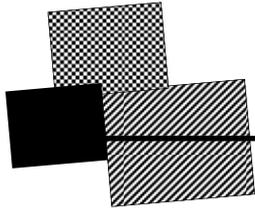
The objective of this class is to prepare the yearbook. This includes photography, computer layout, and caption and copy writing. Effective staff members are those who enjoy participating in or attending activities, work well independently, and have creative ideas they would like to see implemented in the yearbook. The teacher/adviser selects future editors based on the experience of returning staff members. Course may be repeated for credit.

Literature Through Film Studies

Grades: 11-12
One semester
Prerequisites: 9th & 10th grade English

Credit: .5

Film Studies will introduce students to dozens of films that span decades and represent the major genres of the medium. Through close viewings of notable films and the subsequent class discussions, students will identify the patterns recurrent in films and compare this knowledge to that of literature, understand the effects of time and societal influences on major genres, explore how their own values and ideas are affirmed or challenged by the films, and deepen their appreciation of the collaborative craft of filmmaking.



English

Reading for Enjoyment

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

Reading for Enjoyment provides students with the opportunity to engage with fiction and nonfiction on a daily basis so that they may explore how literature, in all its varied forms, can inform their understanding of themselves and the human condition. Students primarily will read novels of their own choosing and will work independently on a variety of activities related to their book choice.

Due to the more independent and individualized nature of the course, students of various reading levels are welcomed. All that is required is a love of reading. Course may be repeated for credit.

English Applications

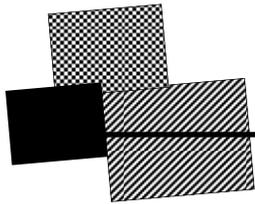
Grades: 9-12

Credit: 1

One year

Prerequisites: Individualized Education Plan and Case Manager Approval

This is a year-long class that teaches basic reading and writing skills. Students will work on the Scholastic Read 180 program to improve reading, reading comprehension and basic writing skills. There is small group instruction, online instruction and independent learning times built into the period. This English credit applies toward a modified diploma only.



Family, Consumer Science & Agriculture

<u>Course Title</u>	<u>Credit</u>	<u>Repeated For Credit</u>	<u>Prerequisite</u>	<u>Grade Offered</u>
Foods & Nutrition	.5	no	no	9-12
Advanced Foods & Nutrition	.5	no	yes	10-12
Advanced Foods & Nutrition: Entrepreneurship	.5	no	yes	10-12
School to Farm Internship	.5	yes	no	9-12
Advanced School to Farm Internship	1	yes	yes	10-12

Foods & Nutrition

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

This course is designed to educate students on how to choose, purchase, plan and prepare foods. The course goals are to increase the student's knowledge and skills in food preparation and nutrition. Course units include basic information about common kitchen equipment, measurements, kitchen and food safety and sanitation, nutrition, fruits and vegetables, poultry and meats, baking, preparing soups from a roux, grains, diet related illnesses, alternative diets, etiquette, and adapting recipes to make them healthier. There is a fee for materials.

Advanced Foods & Nutrition

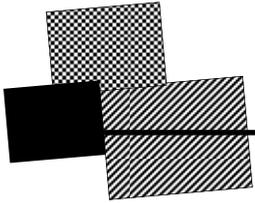
Grades: 10-12

Credit: .5

One semester

Prerequisite: Foods & Nutrition

This course is designed to educate students in greater detail how to choose, purchase, plan and prepare foods. The course goals are to increase the student's knowledge and skills in food preparation and nutrition, and to better prepare them for independent cooking. They will learn about the cultural influences of food, additional cooking techniques and vocabulary, and they will study a variety of cultures through food and menu planning and preparation. Course units include meal planning, herbs and spices, international foods, healthy cooking, safety and sanitation, cake decorating, candy making, preparing appetizers, cooking techniques, healthy cooking with grains, meat and poultry substitutions, food terminology, and careers in foods. There is a fee for materials.



Family, Consumer Science & Agriculture

Advanced Foods and Entrepreneurship

Grades: 10 -12

Credit: .5

One semester

Prerequisite: Foods & Nutrition
Adv Foods & Nutrition

Advanced Food and Entrepreneurship builds on the skills and knowledge acquired in Beginning and Advanced Foods classes. The course reviews culinary techniques and skills and introduces new food service terms and methods. The course will also provide the foundation for employment in the food service industry, and an introduction to restaurant management. Course content will include: menu planning and pricing, careers in the food industry, meal planning, food presentation, baking and selection, storage and cooking principles of meat, poultry, fish and shellfish. Labs may include: broths and stocks, sauces and soups, seasonings, cooking methods, sous vide, molecular gastronomy, fermentation, meal service, equipment, sanitary food handling, kitchen safety and customer service. There is a fee for materials.

School to Farm Internship

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

The School to Farm Internship offers students the opportunity to gain a deep understanding in all aspects of food production. Students design, prepare, plant, maintain, harvest, and sell produce in cooperation with the City of Lake Oswego's Luscher Farm and the City of Lake Oswego's Farmers Market. Students will gain a deep understanding of the skills and knowledge necessary in plant, water, and soil ecology in the course's first semester. Students will also learn the economics and civic institutions involved in the transportation, marketing, and sale of locally produced produce. Students will then apply those skills and knowledge to garden beds of their own design in the spring, harvesting their produce in the summer for sale in the Lake Oswego Farmer's Market on designated days in cooperation with City of Lake Oswego's Parks and Recreation Department.

Advanced School to Farm Internship

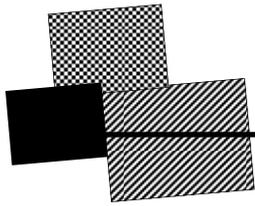
Grades: 10-12

Credit: 1

Year

Prerequisite: None

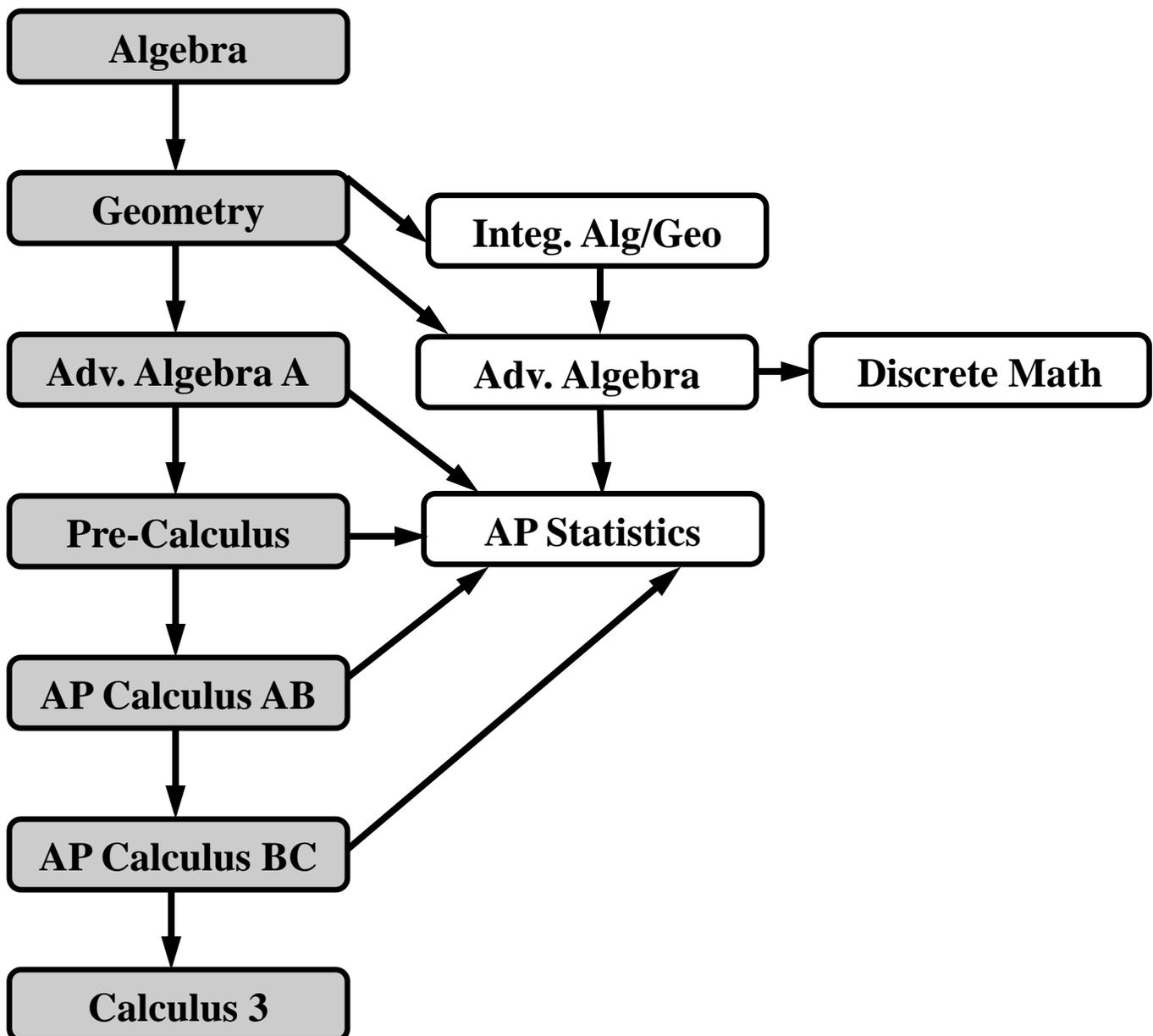
This dynamic course offers students the opportunity to gain a deep understanding in all aspects of food production. Students will design, prepare, plant, maintain, harvest, and sell produce. Students will gain a deep understanding of the skills and knowledge necessary to plant, water, and soil ecology in the course's first semester. Students will also learn the economics and civic institutions involved in the transportation, marketing, and sale of locally grown produce. Students will then apply those skills and knowledge to garden beds of their own design in the spring, harvesting their produce in the summer.



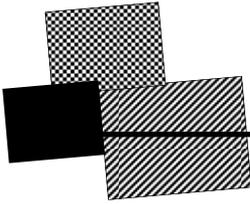
Mathematics

The following diagram indicates the typical sequence of math courses at Lakeridge High School. There may be variations for the sequence for individual students.

Note: Discrete Math can be taken any time after Advanced Algebra and can be taken concurrently with either Pre-Calculus or AP Calculus AB/BC.



A graphing calculator is required for all math courses.



Mathematics

<u>Course Title</u>	<u>Credit</u>	<u>Prerequisite</u>	<u>Grade offered</u>
Algebra	1	yes	9-12
Integrated Algebra/Geometry	1	yes	9-12
Geometry	1	yes	9-12
Advanced Algebra A	1	yes	9-12
Advanced Algebra	1	yes	9-12
Discrete Mathematics	1	yes	11-12
Pre-Calculus	1	yes	9-12
AP Calculus AB	1	yes	9-12
AP Calculus BC	1	yes	9-12
Calculus 3	1	yes	9-12
AP Statistics	1	yes	9-12
Math Connections	1	yes	9-12
Math Applications	1	yes	9-12

Algebra

Grades: 9-12

Credit: 1

One year

Prerequisites: Teacher placement, scientific calculator required

Algebra continues the study of patterns and functions from Algebra Explorations while introducing the language and properties of algebra. Students experience real-life applications of linear, quadratic, polynomial, and exponential functions. Students will meet the expectations of solving equations and systems of linear equations. The course emphasizes connections between graphical, numerical, and symbolic representations of functions to build a conceptual understanding of algebra. Students learn to use graphing calculators and data analysis to study the various functions.

Geometry

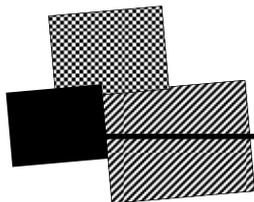
Grades: 9-12

Credit: 1

One year

Prerequisites: Teacher placement
Algebra

The inventors of Geometry were trying to describe the everyday world. In Geometry, students develop a vocabulary to describe geometric objects and ideas. In addition, students learn to analyze the form of an argument, to construct their own argument, and to recognize relationships in geometric figures.



Mathematics

Integrated Algebra/Geometry

Grades: 9-12

Credit: 1

One year

Prerequisites: Teacher placement
Algebra and Geometry

Integrated Algebra/Geometry is for the student who has passed Algebra and Geometry but needs improved algebra skills before continuing with Advanced Algebra. The course includes the study of algebra and advanced algebra topics as well as geometry, probability, and statistics topics. Emphasis on graphical, numerical, and symbolic representations of real-life applications builds students' conceptual understanding.

Advanced Algebra A

Grades: 9-12

Credit: 1

One year

Prerequisites: Teacher placement
Geometry

This course is an extension and application of the concepts and skills developed in Algebra and Geometry. The concept of function is emphasized. Topics to be covered include linear, quadratic, exponential, logarithmic, polynomial, and trigonometric functions. Students will be expected to use a graphing calculator for data analysis. Students will study patterns in arithmetic and geometric sequences. Graphical, numerical, and symbolic representations of real-life applications will be used to build a conceptual understanding of the functions studied in this course. (Note: After successful completion of this course, students will be prepared to take Discrete Math, AP Statistics, or Pre-Calculus. It is necessary to complete Pre-Calculus before taking AP Calculus.)

Advanced Algebra

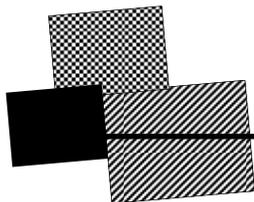
Grades: 9-12

Credit: 1

One year

Prerequisite: Teacher placement
Geometry

This course is for students NOT planning on taking Pre-Calculus and subsequent AP math courses. This course is an extension and application of the concepts and skills developed in Algebra and Geometry. The concept of function is emphasized. Topics to be covered include linear, quadratic, exponential, logarithmic and polynomial functions. Students will be expected to use a graphing calculator for data analysis. Students will study patterns in arithmetic and geometric sequences. Graphical, numerical and symbolic representations of real-life applications will be used to build a conceptual understanding of the functions studied in this course.



Mathematics

Discrete Mathematics

Grades: 11-12

Credit: 1

One year

Prerequisites: Teacher placement
Advanced Algebra

Discrete mathematics introduces students to the science of data (producing and exploring data, probability, statistical inference), basic management science tools (networks and graph theory), the mathematics of social choice and decision making (voting systems and apportionment), basic financial mathematical modeling (saving, borrowing, and investments), set theory, logic (truth tables), and number representation (number bases in positional systems and early numeration systems). Topics require less mathematical depth than those of Pre-Calculus.

Pre-Calculus

Grades: 9-12

Credit: 1

One year

Prerequisites: Teacher placement
Advanced Algebra

Pre-calculus provides the background needed to succeed in calculus. This course emphasizes the fundamentals of functions through the study of polynomial, rational, power, exponential, logarithmic, trigonometric, and circular functions. Students thoroughly explore composition, inverses, and transformations of functions. Pre-calculus emphasizes using functions as mathematical models for real-life situations. Connections between the graphical, numerical, and symbolic representations of functions will build conceptual understanding. Students investigate complex and polar coordinates, and parametric representations of functions. Students develop a conceptual understanding of limit through the course.

AP Calculus AB

Grades: 9-12

Credit: 1

One year

Prerequisites: Teacher placement
Successful completion of Pre-Calculus

Advanced Placement Calculus AB is an advanced placement course in analytical geometry and differential and integral calculus. The function concept is central to calculus. The course studies this concept graphically, numerically, and symbolically. Extensive technology use with this multiple representation approach to functions builds a conceptual understanding of limits and continuity, differentiation, integration, and differential equations. Students can earn college credit by scoring appropriately on the **required** Advanced Placement test in Calculus in May.

AP Calculus BC

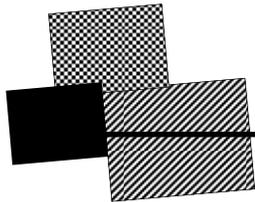
Grades: 9-12

Credit: 1

One year

Prerequisites: Teacher placement
AP Calculus AB

Advanced Placement Calculus BC deepens students' understanding of concepts for successful applications in college mathematics. Topics include limits, differentiation, integration, L'Hopital's Rule, parametric equations, vectors, vector-valued functions, multi-variable functions, multiple integration, vector analysis, series, and applications. Students can earn college credit by scoring appropriately on the **required** AP Calculus BC exam in May.



Mathematics

Calculus 3

Grades: 9-12

Credit: 1

One year

Prerequisites: Teacher placement
AP Calculus BC

This is a college level course that extends the concepts developed in Calculus AB and BC into the areas of vector-valued functions, multivariable functions, and second-order differential equations. Technology will be used to explore 3-D graphing.

AP Statistics

Grades: 9-12

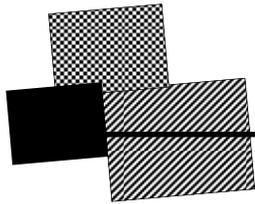
Credit: 1

One year

Prerequisites: Teacher placement
Advanced Algebra

AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course emphasizes sound statistical thinking rather than routine procedures. AP Statistics is equivalent to an introductory non-calculus based college course in statistics. Students can earn college credit by scoring appropriately on the **required** AP Statistics exam in May.





Mathematics

Math Connections

Grades: 9-12

Credit: 1

One semester

Prerequisites: Counselor or Math Teacher Recommendation

Math Connections is designed to address the needs of students who desire extra assistance in their regular grade-level mathematics course. This class also provides opportunities for students to fill in previous mathematics skills in order to help elevate their understanding of mathematics in general. Math Connections is an elective class that is taught concurrently with a student's regular Lakeridge High School mathematics class. One half of the elective credit may be earned per semester for this course. Students are evaluated at the end of each semester to see if they are progressing within the course to continue to the next semester. The course is open to all students enrolled in a Lakeridge High School math course from Algebra through Advanced Algebra A.

Math Applications

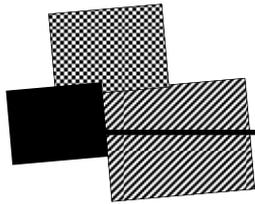
Grades 9-12

Credit: 1

One year

Prerequisites: Individualized Education Plan and Case Manager Approval

Math Applications is designed to address the needs of students who require extra help in their main math class (Algebra or Geometry). It is an elective class that is taught concurrently with a student's regular Lakeridge High School mathematics class. The small student to teacher ratio allows opportunities for re-teaching the previous lesson, additional practice on problem areas, and additional time and attention in order to successfully complete their regular math class. This course is open through math or teacher recommendation.



Health

<u>Course Title</u>	<u>Credit Type</u>	<u>Repeated for Credit</u>	<u>Prerequisite</u>	<u>Grade offered</u>
Lifetime Health	Required—.5	no	no	9-10
Health Issues of the Contemporary Family	Required—.5	no	no	11-12

Lifetime Health

Grades: 9-10

Credit: .5

One semester

Prerequisite: None

Lifetime Health focuses on self-management as students use wellness as a model to study various concepts and issues in nutrition, stress and stress management, mental health, human growth and development, and alcohol and other drugs. In each unit of study, students will access and analyze health information, explore the various factors that influence their health, and use effective communication skills to enhance their own health and safety. Additionally, students will examine aspects of their current lifestyle and use decision-making skills to help them develop goals and plans to help them achieve and maintain optimum health.

Health Issues of the Contemporary Family

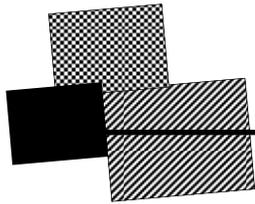
Grades: 11-12

Credit: .5

One semester

Prerequisite: None

Students will explore issues facing individuals as they grow and develop in their relationships. Emphasis is on examining the effectiveness of their interpersonal relationships and developing a positive attitude through self-understanding and acceptance of others. Students will apply constructive openness skills to build positive relationships and to resolve conflicts. The focus will be on responsible decision-making and problem solving in many issues impacting the family including balancing career and family, substance abuse, family violence, aging and loss through death and divorce.



Physical Education

<u>Course Title</u>	<u>Credit</u>	<u>Repeated for Credit</u>	<u>Prerequisite</u>	<u>Grade offered</u>
Physical Education	.5	no	no	9-10
Team Sports	.5	yes	yes	9-12
Lifetime Sports and Fitness	.5	yes	yes	9-12
Weight Training	.5	yes	no	9-12
Adv. Training and Performance	.5	yes	no	9-12
Aerobics	.5	yes	no	9-12
Mindfulness and Yoga	.5	yes	yes	9-12

Physical Education

Grades: 9-10

Credit: .5

One semester

Prerequisite: None

This required course is focused on developing and refining the fundamental physical skill sets within each activity prior to implementing them in game situations, understanding and implementing the rules and strategies pertinent to each unit of instruction, and developing and maintaining cardiovascular endurance, flexibility, upper body strength, abdominal strength and lower body strength. The course also provides an avenue for working on and practicing positive social behaviors within small and large group settings.

Team Sports

Grades: 9-12

Credit: .5

One semester

Prerequisite: Required Physical Education

Team Sports teaches various levels of game play and skills. Students engage in competitive games within the course. This course offers a variety of sports including soccer, volleyball, football, basketball, softball, team handball and hockey. Course may be repeated for credit.

Lifetime Sports and Fitness

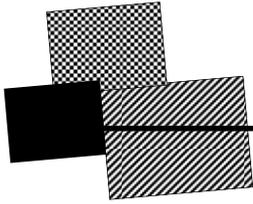
Grades: 9-12

Credit: .5

One semester

Prerequisite: Required Physical Education

Lifetime Sports and Fitness teaches a variety of sports, with emphasis on lifelong activities and challenging skills while having fun. This course offers a variety of sports including pickle ball, badminton, tennis, softball, kickball, ultimate Frisbee, and creative games. Course may be repeated for credit.



Physical Education

Weight Training

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

This course introduces the techniques of weight training. The instructor assists students in setting goals to fit their personal needs, either lifelong fitness or sport-specific objectives. Strength endurance along with aerobic endurance balances each individual program. The course emphasizes safe lifting techniques and gaining an understanding of body mechanics. Course may be repeated for credit.

Advanced Training and Performance

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

The Advanced Training and Performance class is designed for athletic development focusing on speed and agility, hand-eye coordination, sport-specific movements, core development, balance, increased flexibility, sport-specific strength and injury prevention (proprioception exercises and foam rolling). All activities and exercises will be developmentally appropriate, aiming to increase each individual's overall athletic development. Self-motivation is a key component to the success of the individual. Course may be repeated for credit.

Aerobics

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

This course combines an aerobic workout with circuit strength training. The aerobic workout includes the use of steps, tae-bo/kickboxing, walking, interval training and sports activities that involve aerobic movement. The circuit weight includes Pilates, core strength, xertubes/dynabands, and body bars for the purpose of improving strength endurance. Students learn to understand the importance of creating personalized lifelong fitness programs. Course may be repeated for credit.

Mindfulness and Yoga

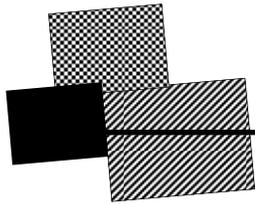
Grades: 9-12

Credit: .5

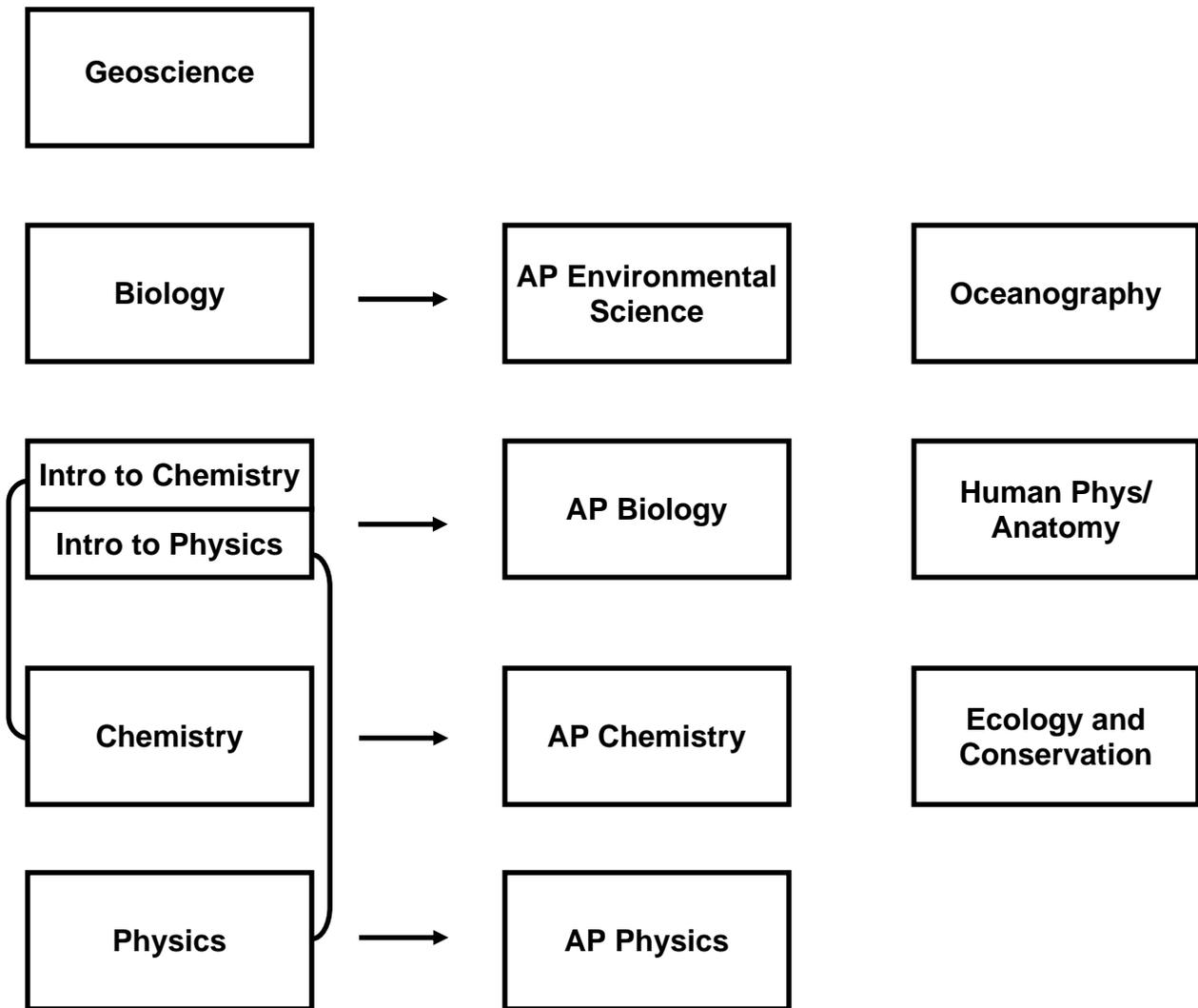
One Semester

Prerequisite: Required Physical Education

This course will focus on developing skills in mindfulness and yoga. Mindfulness can be described as conscious awareness of the present moment. Students will learn stress reduction techniques and study ways to live a more focused and balanced life. Half of each class will be spent receiving instruction on Yoga and how to use breathing to slow their heart rate and bring themselves to a place of balance.

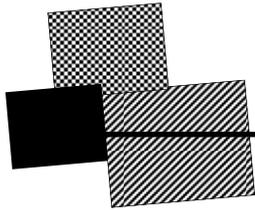


Science



Freshmen beginning 2019/2020 at Lakeridge will need the following to graduate:

- 1 credit of Earth and Space (Geoscience in 9th grade OR AP Environmental Science 11th or 12th grade)
- 1 credit of Life Science (Biology)
- 1 credit of Physical Science (1 semester of Physics and 1 semester of Chemistry)



Science

<u>Course Title</u>	<u>Credit</u>	<u>Prerequisite</u>	<u>Grade offered</u>
Geoscience	1	no	9
Biology	1	yes	9-12
Intro to Chemistry	.5	yes	10-12
Chemistry	1	yes	10-12
Intro to Physics	.5	yes	10-12
Physics	1	yes	10-12
Ecology and Conservation	1	yes	10-12
Human Physiology & Anatomy	1	yes	11-12
Oceanography	1	yes	11-12
AP Biology	1	yes	11-12
AP Chemistry	1	yes	11-12
AP Physics 2	1	yes	11-12

Geoscience

Grade: 9

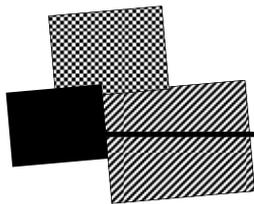
Credit: 1

One year

Prerequisite: None

Geoscience offers in-depth experience in a diverse range of interrelated scientific disciplines. The course will expand upon topics initially introduced at the Junior High school level by requiring students to perform at increasingly sophisticated levels of abstraction, objectivity, accuracy, and complexity as they learn earth and space science and concept skills. Geoscience is closely related to students' natural surroundings and it provides subject matter that has direct application to students' lives and the world around them. Topics and phenomena associated with the Pacific Northwest will be emphasized.





Science

Biology

Grade: 9-12

Credit: 1

One year

Prerequisite: Algebra or concurrent enrollment

Biology involves the study of life and its processes. Students learn to fully appreciate the place they have in the environment. Areas of focus are the scientific method, biochemistry, metabolism, genetics, classification, evolution, ecology and botany. A large portion of class time involves lab work and the resulting experiences place emphasis on processes and skills of scientific thinking. Biology is recommended for the sophomore level.

Intro to Chemistry

Grades: 10-12

Credit: .5

One semester

Prerequisites: Algebra

One year high school life science

Intro to Chemistry gives the student an introduction to inorganic chemistry. During the semester the student will have the opportunity to understand the basic concepts underlying the facts, formulas, and principles composing the course. The student will also develop problem-solving skills, both through laboratory work and group processes, as well as individually. Students will also learn how to use the laboratory equipment, and will have the opportunity to discover how chemistry knowledge can enhance understanding of common phenomena and important issues. Performance based assessment tasks will be used to develop communication, collaboration, use of technology and research skills.

Chemistry

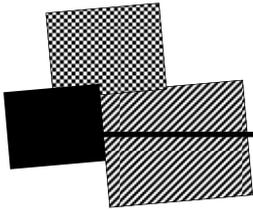
Grades: 10-12

Credit: 1

One year

Prerequisites: "B" or better grade in Algebra and Biology
Instructor's Approval

Chemistry is the prerequisite for AP Chemistry and is for all students interested in the medical field, science research, all types of engineering, and computer technology. Course topics include a study of gases, liquids, solids, atomic structure, chemical bonding and molecular architecture, nuclear and chemical reactions involving energy, rates of reactions, equilibrium, organic chemistry, and qualitative analysis. This course heavily emphasizes the discovery method in laboratory work so student experiences directly lead to chemical principles, not memorization. Chemistry study places major emphasis on applying previous knowledge with new ideas gained during the course to develop critical thinking. During the last month of school, students will combine comprehensive chemistry skills and concepts to identify unknown chemicals.



Science

Intro to Physics

Grades: 10-12

Credit: .5

One semester

Prerequisite: One year of high school science
Algebra or concurrent enrollment

Intro to Physics class is a semester long class that covers many interesting and important physics concepts and presents these concepts in connection with the NGSS Physical Science Standards. Topics include motion in one dimension, forces and momentum, followed by fundamental forces (gravitational, electric and magnetic), then energy and conservation of energy, mechanical waves and finally electromagnetic waves. This algebra-based physics course is for students who would not otherwise take a year-long physics class during high school.

Physics

Grades: 10-12

Credit: 1

One year

Prerequisites: Advanced Algebra or concurrent enrollment
Instructor's Approval

Physics emphasizes the ability to use concepts in a problem-solving format. Critical thinking is encouraged as a means to understanding the concepts and processes of science. The topics include vectors, statics, linear motion, dynamics, measurement, graphical analysis of data, dynamics, momentum and its conservation, two dimensional motion, universal gravitation, work and power, energy and its conservation, electromagnetism, waves and energy transfer, nature of light, reflection and refraction, and mirrors and lenses. Students should have a strong background in algebra and geometry because these skills are necessary throughout the physics course. The instructor will teach additional math skills as the need develops.

Ecology and Conservation

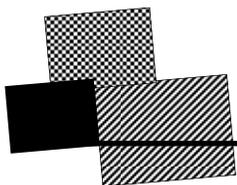
Grades: 10-12

Credit: 1

One year

Prerequisites: One year of high school science
Instructor's Approval

Ecology provides a balanced approach to the diverse study of Earth's biosphere. The emphasis is on the study of science and the development of thinking, problem-solving, and decision-making skills. A major goal is to provide students with the background and skills they need to analyze the many issues concerning our environment that personally affect them. This course emphasizes the following major themes: Energy, Evolution, Interacting Systems, Stability, Patterns of Change, and Scale and Structure. Students participate in various labs and activities throughout the course.



Science

Human Physiology and Anatomy

Grades: 11-12

Credit: 1

One year

Prerequisites: Biology
Chemistry
Instructor's Approval

Human Physiology and Anatomy should be taken before or concurrently with AP Biology. This class offers students an opportunity to explore the structure and function of human body systems. Students study anatomy as a means to better understand the physiology of the human body. This course emphasizes how body systems work independently as well as in conjunction with each other. Laboratory investigation covers a wide variety of topics from range-of-motion to dissection to regulation of blood pressure. A variety of human health occupations will be addressed.

Oceanography

Grades: 11-12

Credit: 1

One year

Prerequisites: Biology
Instructor's Approval

This lab-oriented course will emphasize historical, physical and chemical oceanography, and marine biology. The labs will include waves, shoreline processes, estuary development and sedimentation, plate tectonics, and the chemistry of the sea. A marine aquarium will be studied. Animals and plants in the intertidal regions of Oregon will be emphasized. This course will be offered only in odd numbered school years.

AP Biology

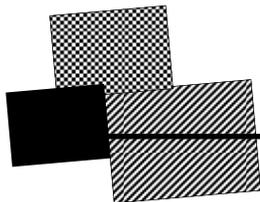
Grades: 11-12

Credit: 1

One year

Prerequisites: Biology
Chemistry or Intro to Chemistry
Human Physiology & Anatomy Recommended (may be taken concurrently)

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors in their first year. The AP curriculum emphasizes a conceptual understanding of biology using the guiding ideas of evolution, energy flow, biochemistry, genetics, and ecological interactions. The course also has a strong emphasis on biotechnology with college-level equipment and lab experiences. There are summer reading and textbook assignments for this course and class is a combination of lab work, lecture, field work, readings and group-based activities. Outside class, students design research methods, engage with peer-reviewed scientific journals, and use the textbook along with online resources to keep up with the curriculum. The class moves at an accelerated pace so that students feel prepared for the AP Biology test in May. This course is offered with a dual credit option through PCC articulated with BI101, BI102, BI103 (the equivalency of one year of college-level science).



Science

AP Chemistry

Grades: 11-12

Credit: 1

One year

Prerequisites: Chemistry (year-long)
Advanced Algebra or above
Instructor's Approval

AP Chemistry is a second year course that builds on the concepts attained in Chemistry. In addition, laboratory activities emphasize further study of chemical systems. Areas of focus include atomic theory and structures, kinetic theory, reaction types, qualitative analysis, stoichiometry, reaction kinetics, thermodynamics, equilibrium, solutions, chemical bonding, nuclear, organic, and environmental chemistry. Learning opportunities include class discussions, laboratory experiments, projects, demonstrations, and lectures. Students may be required to complete laboratory work outside of regular class time. Students in the AP Chemistry course should expect to spend at least five hours a week in individual study outside of the classroom. College credit may be earned by scoring well on the AP Chemistry exam offered in May.

AP Physics 2

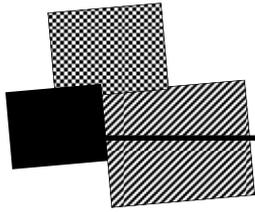
Grade: 11-12

Credit: 1

One year

Prerequisites: Physics (year-long)
Pre-calculus or concurrently enrolled
Instructor's Approval

This course involves students in a deep study of concepts and methods beyond those covered in the Physics class. Students will study a range of fascinating topics: from electricity and magnetism, through optics and thermodynamics, to the more modern ideas of quantum mechanics and relativity. These topics all use powerful, abstract concepts to see the deeper structure of the universe that helps us to explain the world we experience daily. It prepares students to succeed on the AP Physics 2 test and earn college credit. It also readies students for the challenge of college physics courses, which is useful for anyone preparing for a career such as science, engineering, or medicine. The AP Physics 2 exam will be offered in May.



Technology

<u>Course Title</u>	<u>Credit</u>	<u>Repeated for Credit</u>	<u>Prerequisite</u>	<u>Grade offered</u>
Engineering and Design	1	no	no	9-12
Engineering Concepts	1	no	yes	11-12
Introduction to Programming	.5	no	no	10-12
Programming Projects	.5	no	no	10-12
Graphic Design	.5	no	no	9-12
AP Computer Science A	1	no	yes	9-12
AP Computer Science Principles	1	no	yes	9-12

Engineering and Design

Grade: 9-12

Credit: 1

One year

Prerequisites: None

This major focus of Engineering and Design is the design process and its application. Through hands-on projects that emphasize teamwork, 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. The class will prepare students for Engineering Concepts; however, it is not a pre-requisite. This course is designated as a science elective and does not qualify for science credit.

Engineering Concepts

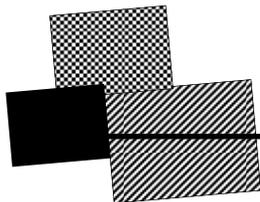
Grade: 11-12

Credit: 1

One year

Prerequisites: Algebra plus one year of science

This survey course of engineering exposes students to some of the major concepts that engineering students will study in college. Students have an opportunity to investigate engineering and high-tech careers and to develop an understanding of engineering problem solving. The course consists of developing an understanding of how engineers approach problems and applying this learning through several projects. Some of the content includes an introduction engineering systems, strengths of materials, 3-D modeling, robotics and 2-dimensional motion.



Technology

Introduction to Programming

Grade: 10-12
One semester
Prerequisites: None

Credit: .5

Introduction to Programming is designed to get people without previous experience up and coding as quickly as possible. Along the way, students will learn how to automate Minecraft, learn how to work a tiny little computer called the Raspberry Pi, and how to get a normal computer to do what you want it to do. Students will also learn how to get computers to interact with the real world. This course is designated as a science elective and does not qualify for science credit.

Programming Projects

Grade: 10-12
One semester
Prerequisites: None

Credit: .5

Do you have a little programming know-how and would like to show it off? A big idea that needs time to come to fruition? A desire to learn different programming languages? Programming Projects, then, might be for you. This class is a guided, structured way for you, the student, to learn what is most interesting to you in the computer science field. The class is based on meeting the goals that you, yourself, set to accomplish tasks that you, yourself, want to do. If you want to make a website, robot, video game, or anything else you can think of, this class will help provide you with the time, resources, and structure to help. This course is designated as a science elective and does not qualify for science credit.

Graphic Design

Grade: 9-12
One semester
Prerequisites: None

Credit: .5

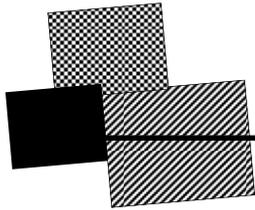
This course is designed for students who would like to further develop their design skills in creating effective, original, and high quality graphics. Students will learn the basics of Adobe Illustrator and Photoshop with regards to image manipulation, typography, and vector-based design. Students will learn about color theory, fonts, composition, and art elements/principles of design, especially as it relates to marketing, branding, and communication in an increasingly visual culture. Students will have opportunities to focus on project-based learning, collaboration with others, time management, and significant growth through the creative process. Using computers, various programs from the Adobe Creative Cloud, Wacom tablets, DSLR cameras, and more, students will have ample opportunity to cultivate their creative abilities and technical skills to explore commercial art and fine art uses of graphic design.

AP Computer Science A

Grade: 9-12
One semester
Prerequisite: Successful completion of Advanced Algebra A or Instructor Approval

Credit: 1

This course is aligned with the College Board's expectations and will serve as an introduction to computer programming through the Java programming language. There is a focus on object-oriented programming, development of algorithms and solving problems. We will use curriculum that has connections to University of Washington's CSE 142 course along with a course syllabus from TEALS and a partnership with TEALS volunteers to help with the technical skills associated with computer programming.



Technology

AP Computer Science Principles

Grade: 9-12

Credit: 1

One semester

Prerequisite: Successful completion of Geometry, enrolled in Advanced Algebra or beyond

The College Board provides the following overview for the course: “AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber-security concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.”

Social Studies

<u>Course Title</u>	<u>Credit</u>	<u>Prerequisite</u>	<u>Grade offered</u>
World History	Required—1	no	9
U.S. History & Government	Required—1	no	10
America & the Contemporary World	Required—1	no	11
AP U.S. History	*Required—1	no	11
AP History: Issues & Research	Elective—1	yes	12
AP European History	Elective—1	yes	11-12
Constitutional Law	Elective—.5	no	9-12
Constitutional Law: Mock Trial	Elective—.5	no	9-12
Advanced Constitutional Law	Elective—.5	yes	10-12
Digital History	Elective—.5	no	9-12
Facing History & Ourselves: Comparative Genocide	Elective—.5	no	11-12
Anthropology	Elective—.5	no	10-12
Psychology	Elective—1	no	11-12
Sociology	Elective—.5	no	11-12
AP Economics	Elective—1	no	11-12
AP Human Geography	Elective—1	no	9-12
AP Psychology	Elective—1	no	11-12

*May substitute as the required credit for the Social Studies course offered at the same grade level.

World History and Geography

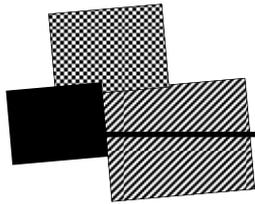
Grade: 9

Credit: 1

One year

Prerequisite: None

World History and Geography is a thematic approach to modern world history that establishes the conceptual foundation, knowledge, and skills for later study in the social sciences. The purpose of this course is to provide students with an examination of patterns of change and continuity across time and space. The course focuses on developments that explain the dominance of the western world and the implications of that dominance. Additionally, students examine the relationship of world history, geography, politics, culture and economics to current events.



Social Studies

U.S. History and Government

Grade: 10

Credit: 1

One year

Prerequisite: None

United States History and Government examines the role of the United States from the turn of the twentieth century through the end of World War II. The course emphasizes a thematic understanding of how the US grew as a political, economic and military power during the early half of the 20th century. Students gain comprehension of the benefits and costs of this process. Furthermore, students continue to develop the writing, speaking, analysis, and interpretative skills they explored in World History.

America and the Contemporary World

Grade: 11

Credit: 1

One year

Prerequisite: None

America and the Contemporary World is a thematic study of the last half of the twentieth century. This course emphasizes understanding historical precedents, concepts, issues, and current events from American domestic and international perspectives.

AP U.S. History

Grade: 11

Credit: 1

One year

Prerequisite: None

Advanced Placement U.S. History is the first year of a two-year program of advanced historical studies. In the first year, students study American history from the Age of Discovery to the end of the 19th century. Students learn to analyze historical documents, write historical essays, critically review the work of various historians and write a research paper. This course should appeal to students who enjoy history, like an intellectual challenge and wish to be well prepared for college. Successful completion of the first year allows students to enroll in the second year of the program.

AP History: Issues and Research

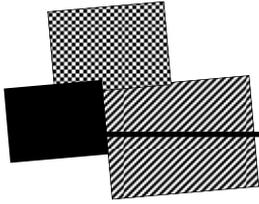
Grade: 12

Credit: 1

One year

Prerequisite: AP U.S. History

Advanced Placement History: Issues and Research is the second year of a two-year program of advanced historical studies. In the second year, students study 20th century history, focusing on the American impact and influences on the rest of the world. Students learn to analyze historical documents, write historical essays, critically review the work of various historians and write a college-quality research paper. This course appeals to students who enjoy history and politics, and wish to be well prepared for college. Students are eligible for Portland State University credit (HST 201, 202, 203). The AP US History exam will be offered in May.



Social Studies

Challenge Program—Portland State University

Students who have successfully completed Advanced Placement United States History their junior year and carry a 3.0 GPA, are eligible for Portland State University credit (HST 201, 202, 203) through the Challenge Program at Portland State University. This program costs about \$230.00 for 4 credit hours (a total of approximately \$690.00 for 12 transferable hours).

HST 201: History of the United States

The first of a three sequential course consists of a general survey of United States History from colonial era to 1840. This four credit-hour course covers the social, political, cultural, intellectual and economic changes taking place in the United States, beginning with the age of European exploration and continuing through the expansion of slavery and territories in the 1840s.

HST 202: History of the United States

The second of three sequential course consists of a general survey of United States history from the 1840s to the beginning of World War I. This four credit-hour course covers the social, political, cultural, intellectual and economic changes taking place in the United States between 1840 and 1914.

HST 203: History of the United States

The third of a three sequential course consists of a general survey of United States history from World War I to the present. This four credit-hour course covers the social, political, intellectual and economic changes taking place in the United States between 1914 and the present.

AP European History

Grades: 11-12

Credit: 1

One year

Prerequisites: America and the Contemporary World or AP U.S. History

This AP course acquaints the student with the nature and development of European history from 1450 to the present. Though the course follows the development of societies chronologically, its major emphasis is upon the intellectual evolution of western institutions: political, economic, social, spiritual and cultural. This course should appeal to students who wish to be well prepared for college, enjoy intellectual challenge, and delight in historical study. The AP European History exam will be offered in May.

AP Economics

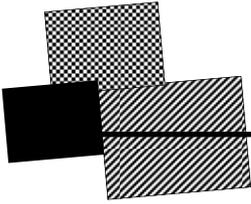
Grades: 11-12

Credit: 1

One year

Prerequisite: Advanced Algebra

AP Economics is a class designed for students who want to explore advanced economic principles and concepts as they relate to a global and national economy. Areas of study will include micro and macro-economics, supply and demand, scarcity, economic performance, pricing signals, economic growth and stability, economic systems and decision-making, international trade, and the stock market. Students will conduct case studies on historical economic situations and their impact on society. The course curriculum and areas of focus will help students prepare to take the Advanced Placement test in Economics which will be offered in May.



Social Studies

Psychology

Grades: 11-12
One year
Prerequisite: None

Credit: 1

Psychology is the study of human behavior and mental processes. Studying psychology helps us understand others and ourselves. Why do we individually think and act the way we do? Through this course, we will discover new ways to think about ourselves and ways to interpret the behavior of others. We will examine why each individual is uniquely different yet, in many essential ways, very similar. Special emphasis will be given to understanding psychological disorders and their treatment. Finally, this course will help students learn the keys to happiness.

AP Psychology

Grades: 11-12
One year
Prerequisite: None

Credit: 1

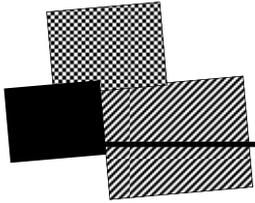
AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. The AP curriculum stresses higher order thinking skills within a rigorous academic context. Students will be required frequently to analyze, synthesize, and evaluate primary and secondary sources in addition to memorizing, comprehending, and applying facts. The AP exam will be offered in May.

AP Human Geography

Grades: 9-12
One year
Prerequisite: None

Credit: 1

AP Human Geography is the curricular equivalent of an introductory college-level course in human geography or cultural geography. Students will explore problems of economic development and cultural change; consequences of population growth; impacts of technological innovation; struggles over political power and territory; inequalities between developed and developing economies; the roles of ethnic minorities and women in societies; and climate change, among other current and pervasive topics. In all cases, content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The AP exam will be offered in May.



Social Studies

Digital History

Grade: 9-12

Credit: .5

One semester

Prerequisite: None

This course is a hands-on class for students to make a short documentary. In this class, students will be expected to conduct research around topics of their choice. Students will learn how to design, find resources, imbed audio, use a professional camera, and use editing software. The final project will feature the completion of an original documentary. This course is designed for those who have an interest in film, social issues, documentaries, and behind the scenes production.

Anthropology

Grades: 10-12

Credit: .5

One semester

Prerequisite: None

The course examines the various branches within anthropology: physical anthropology, primatology, paleoanthropology, archaeology, cultural anthropology and ethnography. The course explores characteristics that reflect humanity, differentiating humans from other forms of primates and hominids. The students investigate cultural studies in ethnography and review the differences between tribal cultures and more modern conceptions of civilization.

Sociology

Grades: 11-12

Credit: .5

One semester

Prerequisite: None

Sociology deals with the ways groups function and how they affect individuals. This course emphasizes studying the structure and power of culture, the law, socialization, minorities and gender issues, technology and change, social institutions (family, education, religion and economic systems), social stratification and social problems. One experiential learning activity or field trip will be included during the course.

Facing History and Ourselves: Comparative Genocide

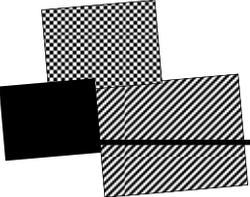
Grades: 11-12

Credit: .5

One semester

Prerequisite: None

This course is designed to help students understand genocide as one of humanity's greatest and most enduring tragedies. This course will provide a conceptual and historical overview of genocide from a broad interdisciplinary perspective. It is an intense course, but it is not designed to simply focus on the death of others. We will look at some of the historical and philosophical debates surrounding different case studies—Holocaust, Indonesia, Cambodia, Rwanda, for example—by examining the evolving international law of genocide, by determining how memory and denial impact the history, and by investigating strategies of prevention and intervention.



Social Studies

Constitutional Law

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

Constitutional Law introduces students to personal, practical law. Students learn to recognize and understand how the Bill of Rights and Constitutional Law work in their communities and throughout the country. They will see how the law strives to promote fairness, equal justice, and individual rights. Students participate in class discussions, field trips, mock trials, and work closely with law students from the Northwestern School of Law. Students interested in legal careers, law enforcement careers, and their personal relationships to the law will find this course useful.

Constitutional Law: Mock Trial

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

Constitutional Law: Mock Trial introduces students to hypothetical criminal and civil court cases where students play the various roles of attorneys and witnesses in a fictitious case. Students will expand their speaking, writing, reading and analytical skills while learning about the judicial system. In December, all students in the class will participate in the Mini Mock competition held at the Multnomah County Courthouse. At the end of the semester, students can choose to continue their participation by joining the Mock Trial teams. This class is only offered first semester.

Advanced Constitutional Law

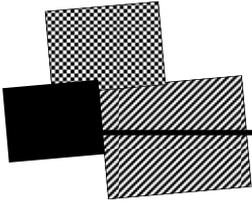
Grades: 10-12

Credit: .5

One semester

Prerequisite: Constitutional Law or Teacher Approval

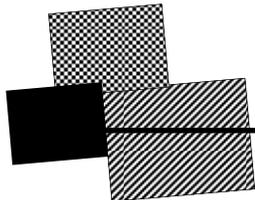
Advanced Constitutional Law will continue student understanding of the law and its application in their own lives as well as throughout history. It will also focus on the responsibilities of educated citizens in a democracy. Students will engage in discussions, debates, research assignments, mock congressional hearings and other participatory activities. As part of the class, students will participate in the "We the People" competition in January sponsored by the Center for Civics Education and Classroom Law Project. This class is only offered first semester.



World Languages

<u>Course Title</u>	<u>Credit</u>	<u>Prerequisite</u>	<u>Grade offered</u>
Chinese 1	1	no	9-12
Chinese 2	1	yes	9-12
Chinese 3	1	yes	9-12
Chinese 4	1	yes	9-12
AP Chinese: Language and Culture	1	yes	9-12
French 1	1	no	9-12
French 2	1	yes	9-12
French 3	1	yes	9-12
French 4	1	yes	9-12
AP French	1	yes	9-12
Japanese 1	1	no	9-12
Japanese 2	1	yes	9-12
Japanese 3	1	yes	9-12
Japanese 4	1	yes	9-12
Spanish 1	1	no	9-12
Spanish 2	1	yes	9-12
Spanish 3	1	yes	9-12
Spanish 4	1	yes	9-12
AP Spanish	1	yes	9-12
Civilizations and Cultures of Spain and Latin America (PSU Challenge Course)	1	yes	9-12

NOTE: Successful completion of a language course with a grade of “C” or higher is recommended for advancement to the next level.



World Languages

Chinese 1

Grades: 9-12

Credit: 1

One year

Prerequisites: None

Students learn Pinyin (Mandarin Pronunciation System), basic vocabulary and grammar in Chinese. The emphasis of the course is on pronunciation, handwriting (characters), speaking and listening in a variety of practical situations. Students study many aspects of the Chinese culture and start to learn to type Chinese characters

Chinese 2

Grades: 9-12

Credit: 1

One year

Prerequisites: Chinese 1

Students continue their vocabulary growth and understanding of the construction and pronunciation of the language. They increase their speaking, listening, reading, and writing skills on topics of school life, shopping, weather, transportation, dining, etc. Students continue learning about the culture and geography of the Chinese-speaking world.

Chinese 3

Grades: 9-12

Credit: 1

One year

Prerequisites: Chinese 2

Students continue to learn Chinese with vocabulary to facilitate asking directions, attending parties, talking about health issues, sports, etc. Students will explore how to develop linguistic skills at the intermediate level and learn to appreciate Chinese culture. Students will strengthen their skills in listening, speaking, reading and writing Chinese. Students will develop insights into divergent ways of viewing the world.

Chinese 4

Grades: 9-12

Credit: 1

One year

Prerequisites: Chinese 3

Taught predominantly in the second language, these courses extend the conversational approach, with more emphasis on reading and writing. There will be outside reading of selections from literature to supplement the student's knowledge of the language. The students will be required to do more presentations and independent research. After completing the course successfully, students will be able to earn five (5) Chinese Language credits from Portland State University.

AP Chinese: Language and Culture

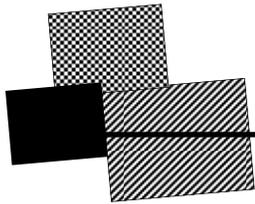
Grades: 9-12

Credit: 1

One year

Prerequisites: Chinese 4

The AP Chinese Language and Culture course is designed to be comparable to a fourth semester (or the equivalent) college or university course in Mandarin Chinese. It will deepen students' immersion in the language and culture of the Chinese-speaking world, and reflects the proficiencies exhibited throughout the Intermediate range, as described in the American Council of the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines. After completing the course successfully, students will be able to earn a total of ten (10) Chinese Language credits from Portland State University. Students can also take the AP exam at the end of the course with the possibility of receiving other college credits.



World Languages

French 1

Grades: 9-12

Credit: 1

One year

Prerequisite: None

Students learn beginning vocabulary and idiomatic expressions, as well as basic construction of the language. The emphasis of the course is on speaking, listening, reading, writing, and cultural proficiency in a variety of simple and practical situations. This course introduces students to the cultures and geography of the French-speaking world and includes such topics as the self, family, school, places, sports and other interests.

French 2

Grades: 9-12

Credit: 1

One year

Prerequisites: French 1

Students continue developing vocabulary and language construction while increasing their proficiency in speaking, listening, reading, writing and cultural elements. Students continue learning about the culture and geography of the French-speaking world, and the course includes such topics as travel, food, city and country life, sports and hobbies, health and fitness, and arts and entertainment.

French 3

Grades: 9-12

Credit: 1

One year

Prerequisites: French 2

Students continue to expand and intensify their speaking, listening, reading and writing skills. Students are expected to increase their conversational skills in various settings, from class discussion to practical situations. Oral and written tasks are performed within a variety of topics, such as lodging, personal relationships, travel, family traditions and interests, the French-speaking world, ancestry and immigration, and art and aesthetics. Upon successful completion of this dual-credit course, students may earn 12 credits through CCC (FR 101, 102, 103).

French 4

Grades: 9-12

Credit: 1

One year

Prerequisites: French 3

Students participate in this course almost entirely in French. They complete advanced grammar lessons, read short stories, articles, poetry, and a novel. They also study and discuss French and francophone cultures, history, and current events, writing compositions and performing a variety of oral presentations in class. Topics include travel, city life, health and fitness, personal relationships & family life, nature, university studies and careers. Upon successful completion of this dual-credit course, students may earn 12 credits through CCC (FR 201, 202, 203).

AP French

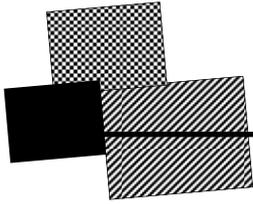
Grades: 9-12

Credit: 1

One year

Prerequisites: French 4

Taught exclusively in French, this class prepares students to understand and interpret French spoken by native speakers in a variety of settings and registers, and to produce French comprehensible to native speakers. All of the materials used are curated from authentic sources and from an AP French textbook. Students work on the goals of advanced proficiency and fluency in their speaking and writing skills while studying the six AP French course themes: Families and Communities, Contemporary Life, Personal and Public Identities, Global Challenges, Aesthetics, and Science and Technology. Students take the AP exam toward the end of the course with the possibility of receiving college credit.



World Languages

Japanese 1

Grades: 9-12

Credit: 1

One year

Prerequisites: None

This course introduces students to the Japanese language. Students learn to read and write the two most basic Japanese alphabets, Hiragana and Katakana. Students gain skills in reading, writing, speaking, and listening. The course also looks at various aspects of Japanese culture as students study topics surrounding self, family, friends and hobbies.

Japanese 2

Grades: 9-12

Credit: 1

One year

Prerequisites: Japanese 1

Students continue their study of Japanese, building all four skill areas (reading, writing, speaking, listening). Students begin learning Kanji (Japanese characters adapted from Chinese), first looking at how kanji works by studying radicals and then learning to read and write kanji in context. The course looks at various aspects of Japanese culture as students study topics such as food, health, shopping, and school.

Japanese 3

Grades: 9-12

Credit: 1

One year

Prerequisites: Japanese 2

Japanese 3 continues to build on the language skills gained in levels 1 and 2. More emphasis is placed on how language and culture interact through the study of different speech styles. Students continue to study kanji and will learn 90~100 new kanji. This class expects students to use all three Japanese alphabets consistently and to speak in Japanese for all activities and interactions during class. Japanese 3 students will study topics such as Japanese folk tales, cooking, athletics, and holidays.

Japanese 4

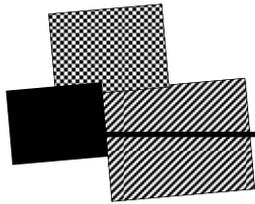
Grades: 9-12

Credit: 1

One year

Prerequisites: Japanese 3

Japanese 4 continues to build on the language skills gained in levels 1, 2, and 3. More emphasis is placed on how language and culture interact through the study of different speech styles. Students continue to study kanji and will learn 90~100 new kanji. This class expects students to use all three Japanese alphabets consistently and to speak in Japanese for all activities and interactions during class. Japanese 4 students will study topics such as education, housing, entertainment, and transportation.



World Languages

Spanish 1

Grades: 9-12

Credit: 1

One year

Prerequisites: None

Students develop novice level proficiency in speaking, listening, reading and writing in Spanish, while learning beginning vocabulary and idiomatic expressions, as well as basic grammar structures. This course introduces students to the cultures and geography of the Spanish-speaking world and includes such themes as the self, family, school, places, sports and other interests. ACTFL Novice Mid proficiency is the goal by the end of the year.

Spanish 2

Grades: 9-12

Credit: 1

One year

Prerequisites: Spanish 1

Students continue developing proficiency in speaking, listening, reading and writing in Spanish, while expanding vocabulary and learning new grammar structures. Students continue learning about the culture and geography of the Spanish-speaking world. Themes this year include food, travel, shopping, daily routine, and celebrations. ACTFL Novice High proficiency is the goal by the end of the year.

Spanish 3

Grades: 9-12

Credit: 1

One year

Prerequisites: Spanish 2

Students continue to improve proficiency in speaking, listening, reading and writing in Spanish, with increased emphasis on conversational skills, while expanding vocabulary and learning new grammar structures. Speaking and writing tasks are performed on a variety of topics, and students continue to expand their understanding of Spanish-speaking cultures. Themes this year include technology, the home, the environment, city life, health and wellness, professions, and arts and entertainment. Upon successful completion of this dual-credit course, students may earn 12 credits through Clackamas Community College (SP 101, 102, 103). ACTFL Intermediate Low proficiency is the goal by the end of the year.

Spanish 4

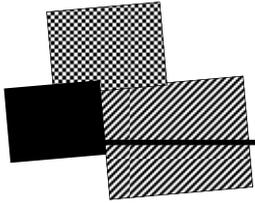
Grades: 9-12

Credit: 1

One year

Prerequisites: Spanish 3

Students participate in this course almost entirely in Spanish and focus on reading and discussions; improving speaking, listening, reading and writing proficiency. They will expand the study of Spanish-speaking cultures and history through short films, literature and other authentic sources. This course will prepare students for success in AP Spanish Language the following school year and includes a review and refinement of language structures. Upon successful completion of this dual-credit course, students may earn 12 credits through Clackamas Community College (SP 201, 202, 203). ACTFL Intermediate Mid proficiency is the goal by the end of the year.



World Languages

AP Spanish Language

Grades: 9-12

Credit: 1

One year

Prerequisites: Spanish 4

Taught exclusively in Spanish, this class prepares students to understand Spanish spoken by native speakers in a variety of settings and registers, and for successful performance on the AP Spanish exam. All of the materials used are curated from authentic audio, video and text sources or textbooks published for the purpose of preparing for the AP exam. Students will work on accuracy and fluency in their speaking and writing skills. Students are required by the College Board to take the AP exam at the end of the course with the possibility of receiving college credit and the Seal of Biliteracy. ACTFL Intermediate High proficiency is the goal by the end of the year.

Civilizations and Cultures of Spain and Latin America

Grades: 9-12

Credit: 1

One year

Prerequisites: AP Spanish

This class is a Portland State University (PSU) Challenge course, meaning that it is a PSU course taught at Lakeridge by a Lakeridge teacher in collaboration with the PSU Spanish department. First semester corresponds to Spanish 330 (Peninsular Culture and Civilization) and second semester to Spanish 331 (Latin American Culture and Civilization) at PSU, and students will have the opportunity to earn 8 PSU credits for those two courses. The course will be taught exclusively in Spanish and students are expected to speak only Spanish during class. Students will read and discuss authentic text, listen to and discuss authentic audio and watch/discuss authentic videos about the historical development of life, thought and arts in the Spanish speaking world. Students will research a topic of interest each semester and write a research paper and present their learnings to the class. Student who did not qualify for the Seal of Biliteracy in AP Spanish will have another chance to earn it in this class. ACTFL Intermediate High to Advanced Low is the goal by the end of the year.

Special Opportunities

<u>Course Title</u>	<u>Credit</u>	<u>Prerequisite</u>	<u>Grade Offered</u>
Academic Mentor	.5	yes	11-12
Alternative Program English	1	yes	9-12
Alternative Program Soc. Stud.	1	yes	9-12
Applied Work Experience	.5	no	9-12
Independent Study	.5	yes	11-12
Cadet Teaching	.5	yes	11-12
Study Hall	0	no	9-12
Academic Support Center	.5	yes	9-12
Leadership	1	yes	9-12
Work Experience	.5-1	no	11-12
Link Crew Leadership	1	yes	11-12
Department Assistant	.5	yes	9-12
Late Arrival/Early Release	0	no	9-12
Learning Support Center	.5	yes	9-12
Automotive Fundamentals (CCC)	.5	no	9-12
Small Engine Repair (CCC)	.5	no	9-12
General Auto Repair (CCC)	.5	yes	9-12

Academic Mentor

Grades: 11-12

Credit: .5

One semester

Prerequisites: Instructor's Approval
Counselor's Approval

Academic mentors provide additional support to students in need of academic assistance.

Alternative Program

Grades: 9-12

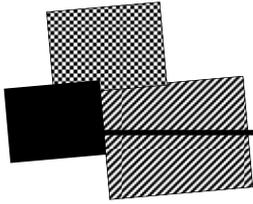
Credit: 1

One year

English
Social Studies

Prerequisite: Counselor's Approval

Classes each semester are English and/or Social Studies for which students receive high school credit. Students enrolled in the program must select courses outside the program to complete graduation requirements. Students who successfully progress toward graduation may remain in the program for up to eight semesters, though many students are able to exit the program. Selection of students depends of ability, motivation, and desire to succeed in high school.



Special Opportunities

Applied Work Experience

Grades: 9-12

Credit: .5

One semester

Prerequisite: None

Applied Work Experience provides students with an opportunity to learn all aspects of working in the student store. They will learn how to provide customer service (taking and filling orders), do inventory (stocking, organizing), and practice money skills (giving change and totaling dollar amounts). Students will get their Food Handler's card during the class (\$10 fee). This class is open to both regular education and students with an IEP.

Independent Study

Grades: 11-12

Credit: .5—1

One semester or one year

Prerequisites: Instructor's Approval
Assistant Principal's Approval

This is a flexible, independent study program designed for students who have demonstrated exceptional proficiency in a curriculum area and who have well-developed study skills. Interested students may establish learning contracts with mentor teachers to pursue artistic, research, design or other projects that extend learning and provide challenges. Students may undertake independent studies in any department. May be taken as a graded course or on a Satisfactory/Unsatisfactory basis.

Cadet Teaching

Grades: 11-12

Credit: .5

One semester

Prerequisite: Application

Cadet teaching gives a student an opportunity to work with children from kindergarten through grade eight. Time will be spent in an elementary or junior high classroom under the supervision of a certified teacher, working with pupils and assisting the supervising teacher. Cadet teachers will be expected to follow district and school guidelines for appropriate dress and behavior. They will also be expected to provide their own transportation to and from their assignments. This class may not infringe upon regularly scheduled courses and will be graded on an S/U basis. Students who are chosen for this program will be notified of their assignment. Class may be repeated for additional elective credit. Criteria for participation in this program includes good attendance, a good disciplinary record and an application.

Study Hall

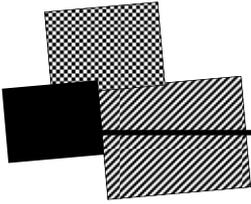
Grades: 9-12

Credit: None

One semester

Prerequisite: None

Study Hall is provided for students who need or desire extra time at school to complete homework and projects. Students will need to come to class prepared to study and will be expected to use their time wisely during this period.



Special Opportunities

Academic Support Center

Grades: 9-12

Credit: .5

One semester

Prerequisite: Teacher recommendation
Counselor recommendation

Academic Support Center provides a small student-to-teacher ratio; one-on-one or small-group tutoring; extra support in organization and advocacy; and an opportunity to do homework, study, and, in some cases, make up past failed classes during the school day. Students will be identified for this support class based on past and current performance in classes and teacher and counselor recommendation. This class may be repeated for credit.

Leadership

Grades: 9-12

Credit: 1

One year

Prerequisites: Student election

This class assists in developing more productive and effective student leaders. Members of the class meet on a regularly scheduled basis to discuss activities. They also investigate fundamental aspects of leadership, properties of motivation, and motivational techniques. The course is open only to elected ASB officers and class presidents. Course may be repeated for credit.

Work Experience

Grades: 11-12

Credit: .5—1

One semester

Prerequisites: Counselor signature
Application

The Work Experience Program provides the opportunity for a student to receive credit for an approved part-time job. Students can apply a maximum of four credits toward graduation. Students must turn in a log of hours worked to their counselor at the end of each semester. Students graded on a S/U basis. This class may be repeated for credit.

Link Crew Leadership

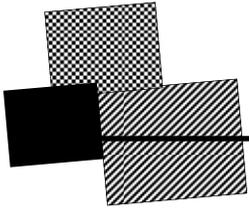
Grades: 11-12

Credit: 1

One semester

Prerequisites: Application Process

Link Crew is a freshman transition program that welcomes freshmen and makes them feel comfortable throughout the first year of their high school experience. Link Crew is built on the belief that students can help students succeed. In this course, juniors and seniors are trained to be Link Crew Leaders. Link Crew Leaders are taught the skills and given the experience to be positive role models in order to guide freshmen through a successful first year at Lakeridge High School. Grading in this course is either Satisfactory or Unsatisfactory; there is no letter grade.



Special Opportunities

Department Assistant

Grades: 9-12

Credit: .5

One semester

Prerequisite: Instructor's Approval

Students may earn up to a maximum of two credits providing assistance to faculty and staff. Areas where students may work include: Main Office, Attendance, Counseling, Production Center, Library, and Curriculum Departments. Students must have approval of the staff or faculty member responsible for the area in which they wish to work in order to enroll. Grading in this course is either Satisfactory or Unsatisfactory; there is no letter grade.

Late Arrival

Grades: 9-12

Credit: None

One semester or one year

Prerequisite: Student/Family Provides Transportation

Students may request that their counselor add late arrival to their schedule, which would allow them to start the school day with 2nd/6th period. District transportation is not provided for students who have late arrival. Students need to be off campus until class time unless they have arranged to work with a teacher.

Early Release

Grades: 9-12

Credit: None

One semester or one year

Prerequisite: Student/Family Provides Transportation

Students may request that their counselor add early release to their schedule, which would allow them to end the school day after 3rd/7th period. District transportation is not provided for students who have early release. Students need to be off campus during the early release time unless they have arranged to work with a teacher.

Learning Support Center

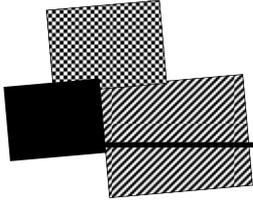
Grades: 9-12

Credit: 1

One semester

Prerequisites: Individualized Education Plan and Case Manager Approval

Learning Support Center teaches students strategies to be successful students. The class will cover learning styles, organizational skills, test taking strategies, note taking techniques and other skills needed to help students in all classes. Practice for the Smarter Balanced Assessment is a part of the curriculum and students will be given the opportunity to study for and practice state work samples (Math, Reading and Writing) for graduation. In addition, a learning specialist will provide specially designed instruction for students as outlined in their individualized education plans. Students will also receive tutorial assistance in completing homework assignments from their other classes.



Special Opportunities

Automotive Fundamentals (Dual Credit—CCC)

Grades: 9-12

Credit: .5

One semester

Prerequisites: None

An introductory automotive service class intended to provide fundamental knowledge and basic experience about automobiles. Covers automotive systems, preventative maintenance and performing basic repairs. Also provides skill and knowledge for purchasing cars, choosing quality mechanics, and making good economic decisions about repairs and costs. Intended generally to enhance the overall satisfaction of being an automotive consumer and car owner. This class is taught by a CCC professor at the World of Speed in Wilsonville. Tuition and transportation is provided by LOSD.

Small Engine Repair (Dual Credit—CCC)

Grades: 9-12

Credit: .5

One semester

Prerequisites: None

This course is designed to provide an overview of basic small engine maintenance, operation and repair. It covers safety, small engine theory, electrical systems, and troubleshooting. Classroom instruction covering theory of operation, 2-cycle and 4-cycle designs and applications, combined with hands-on projects provides the student the opportunity to learn basic principles of small engine operation, including outdoor equipment, motorcycles, and A.T.V.'s. This class is taught by a CCC professor at the World of Speed in Wilsonville. Tuition and transportation is provided by LOSD.

General Auto Repair (Dual Credit—CCC)

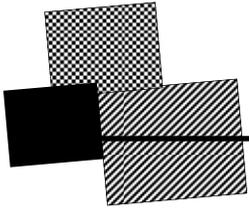
Grades: 9-12

Credit: .5

One semester

Prerequisites: Automotive Fundamentals or Small Engine Repair

In this course students will experience working in an auto shop/lab as they repair customer vehicles. They will apply concepts such as shop and personal safety, tools and their usage, and customer service as they develop workplace employability skills and work habits. This class is taught by a CCC professor at the World of Speed in Wilsonville. Tuition and transportation is provided by LOSD.



An Overview of Academic Supports

At Lakeridge High School, we believe in the capability of each student and strive to create a challenging academic curriculum, centered in a caring learning community, in order to help each student further develop as a thoughtful, informed, able person, ready for college or career and a life of learning and productive citizenship.

Though we pride ourselves on our rigorous courses and our positive learning community, we also recognize that many students would struggle and even fail without thoughtful systems of support in place *as early as possible* in order to help ensure a successful high school experience. Our counselors, teachers, administrators, and support staff will work with you to make sure you have the supports you need.

A list of our academic support classes for regular-education students and some tips about four-year planning:

Study Hall

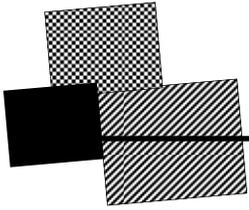
A non-credit class for students that provides the time and space to do homework, study, and remain organized during the school day. It is recommended that all freshmen have Study Hall. Students may choose to take Study Hall during their sophomore, junior, or senior years as well. In many cases, keeping Study Hall in one's schedule all four years is helpful and in some cases counselors will recommend this support.

Academic Support Center

A class that provides a small student-to-teacher ratio; one-on-one or small-group tutoring; extra support in organization and advocacy; and an opportunity to do homework, study, and even make up past failed classes during the school day. Students will be identified for this class based on past and current performance in classes as well as teacher and counselor recommendation. *A meeting between the student's counselor and the student and parent(s)/guardian(s) will be provided before entering into this support class.

Math Connections

A class for students to take concurrently with Algebra, Geometry, Integrated Algebra/Geometry, or Advanced Algebra in order to provide additional instruction and support. Students will be identified for this class based on state test scores, past performance in math classes, and teacher recommendation.



An Overview of Academic Supports

Alternative English 10, 11 & 12

These classes are specially designed for students who have difficulty being successful in the traditional English-class environment not as a result of cognitive ability but primarily as a result of sustained difficulty completing homework due to a variety of complicating factors. Students will be identified for these classes based on past performance in English classes and teacher and counselor recommendation.

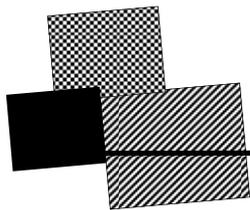
Alternative Social Studies World, U.S. & 11/12

Like the Alternative English classes, these classes are specially designed for students who have difficulty being successful in the traditional Social Studies class environment not as a result of cognitive ability but primarily as a result of sustained difficulty completing homework due to a variety of complicating factors. Students will be identified for these classes based on past performance in Social Studies classes and teacher and counselor recommendation.

4-Year Planning

Students who have failed one or more classes during junior high will discuss with their high school counselors the option of not taking one of the first Social Studies, Science, or World Language classes until sophomore year. During the four years of high school, only three years of Social Studies, three years of Science, and two years of World Language are required for graduation. Rather than have all students take the heaviest academic load freshman year with English, Math, Social Studies, Science, and a World Language, along with PE, Health, ACS, Study Hall, and/or an elective, it may be helpful not to take one of the first Social Studies, Science, or World Language classes until sophomore year. Spreading out the core graduation requirements helps ensure success during freshman year—an extremely important but historically difficult year for students in this district and across the country—and provides opportunities for more elective and support classes earlier in high school.

Please contact our counselors with any questions about these academic supports.

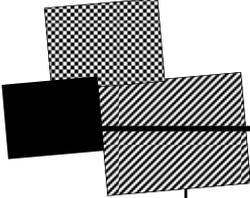


Additional Courses offered at LOHS

<u>Course Title</u>	<u>Credit</u>	<u>Prerequisite</u>	<u>Grade Offered</u>
Broadcast Journalism	.5	no	9-12
Studio/Music Production	.5	no	9-12
Photography 1	.5	no	10-12
Photography 2	.5	yes	11-12
Photography 3	.5	yes	11-12
AP US Government	1	yes	12
Criminal Justice	.5	no	10-12
Eastern Civilization	1	no	10-12
History of Western Civilization	1	no	10-12
Introduction to Women's Studies	1	yes	10-12
Political Action Seminar	1	yes	10-12
Digital Media	.5	no	9-12
Computer Programming C++	1	yes	10-12
International Marketing	.5	yes	11-12
Makerspace Projects	.5	yes	10-12
AP Physics C: Mechanical	1	yes	11-12

For course descriptions and prerequisite information, please review the Lake Oswego High School curriculum guide on their website:

<https://www.losdschools.org/domain/470>



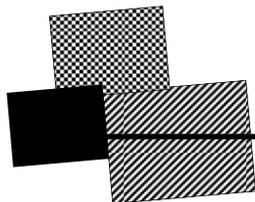
LHS Activities

Student Clubs

Adventure Society	Lifting Club
Bitter Knitters Club	Link Crew
Bowling Club	Marvel Comics Club
Ceramics Club	Math Club
Chess Club	Mock Trial
Chinese National Honor Society	Multicultural Club
Controversial Government Debate Club	Model United Nations (MUN)
Cooperative Learning Club	Nachos Muchachos Club
DECA	National Art Honor Society
Drag Racing Club	National Honor Society
Drama Club	Newspaper
Environmental Action Club	Ping Pong Club
Fashion Club	Photography Club
Fellowship of Christian Athletes	Poetry Club
Film Club	Programming Club
French Club	Robotics
Frisbee Club	Salmagundi: Literary Art Magazine
French National Honor Society	Science Olympiad
Fruit Snack Club	Spanish Club
Gaga Ball Club	Spanish National Honor Society
Gay-Straight Alliance	Speech & Debate Team
Hiking Club	Super Smash Bros. Club
International Philanthropy Club	Tea Club
Japanese Club	Theater Tech Club
Japanese National Honor Society	Xtreme Urban Sports Club
Junior State of America	Yearbook
Key Club	Youth & Government

Honor Societies

Chinese National Honor Society
French National Honor Society
Japanese National Honor Society
National Art Honor Society
National Honor Society
Spanish National Honor Society



STEM Certificate & Honor Cord

Science, Technology, Engineering, and Math Opportunities at LHS

Overview

LHS offers students exciting opportunities to take challenging college-level science and math courses, participate in STEM-related co-curricular clubs, and pursue their intellectual curiosity as they prepare for college. LHS offers six STEM-related AP courses, two engineering courses, two programming courses, and two film-making courses. A student who takes advantage of these opportunities will leave LHS well prepared for college, potentially will have enough credits to enter college as a sophomore, and will have a strong foundation for future success in STEM-related pursuits.

STEM Certificate & Honor Cord

STEM Certificates and Honor Cords are awarded at the end of senior year to students who complete 11 of the courses listed under "STEM Courses for STEM Certificate & Honor Cord," complete a STEM-related internship, and participate in at least one STEM-related club or team.



STEM Courses for STEM Certificate & Honor Cord*

AP Courses

- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Physics
- AP Statistics

Foundation Courses

- Honors Chemistry
- Human Physiology & Anatomy
- Oceanography
- Physics
- Pre-Calculus
- Calculus 3 (if available)

Engineering Focus

- Introduction to Engineering Design
- Principles of Engineering

Other Technology Courses

- Broadcast Journalism
- Digital History
- Introduction to Programming
- Newspaper
- Programming Projects
- Storytelling with Media
- Yearbook

Clubs & Teams

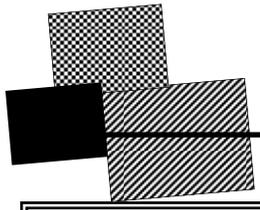
- Math Team
- Robotics Team
- Environmental Action Club
- Chess Club
- Science Olympiad

Competitive Internships

- Apprenticeship in Science and Engineering (ASE)
- Architecture, Construction, Engineering (ACE)
- Partnership in Science Inquiry—OHSU (PSI)
- Independent Internships

*New STEM courses may be added to this list each year. Courses offered are also subject to availability based on student requests and district resources.

1235 Overlook Drive . Lake Oswego, OR 97034 . (503) 534-2319



LHS Athletics

Lakeridge is a member of the Oregon School Activities Association (OSAA) and the Three Rivers League (TRL).

Beginning in 2014-2015, league membership includes the following schools:

Canby	Oregon City	Tualatin
Lake Oswego	St. Mary's Academy	West Linn
Lakeridge	Tigard	

Athletic Director: Terry Moore 503-534-2325
mooret@loswego.k12.or.us

FALL

Cross Country—Boys & Girls
Football
Soccer—Boys & Girls
Volleyball
Water Polo—Girls
Cheerleading
Dance Team

WINTER

Basketball—Boys & Girls
Skiing
Swimming
Wrestling
Cheerleading
Dance Team

SPRING

Baseball
Softball
Golf—Boys & Girls
Tennis—Boys & Girls
Track—Boys & Girls
Lacrosse—Girls

Club Sports

FALL

Water Polo—Boys

WINTER

Equestrian
Snowboarding

SPRING

Equestrian
Lacrosse—Boys
Rugby—Boys & Girls

College Bound Student Athletes

Student athletes who are interested in participating in athletics at the college level should log on to the NCAA web site https://eligibilitycenter.org/ECWR2/NCAA_EMS/NCAA.html to become familiar with the steps to follow in order to be eligible to participate in athletics at the college level.