

LIBERTY HIGH SCHOOL

2011-2012



COURSE DESCRIPTION BOOK

Students,

This course description handbook describes the possible curricular offerings for the 2011-2012 school year. Courses offered by Liberty High will be selected from this handbook based on the needs of the students, the availability of staff, and projected enrollment.

Using this resource along with the support of your parents and counselor should enable you to design a course schedule for the upcoming school year. You are urged to carefully read the graduation and college admission requirements listed on pages 3-4 and carefully consider your educational goals when choosing classes. Ultimately, you should develop a schedule of courses that will adequately prepare you for post-high school opportunities including college admissions and/or employment.

Liberty High School welcomes you and your parents' continuous participation throughout the high school planning process. **However, it is ultimately the responsibility of students and parents to be aware of the number of units and select the appropriate coursework required to receive a diploma.** Please contact your guidance counselor if you are in need of further assistance in understanding and/or planning for these requirements.

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Graduation Requirements

In order to be eligible to receive a Liberty High School diploma, a student must meet the minimum standards in four areas:

Course and Credit Requirements

Minimum GPA Requirement

Test Requirement

Senior Exit Interview

Course Requirements	Credits Required
<u>English</u>	40
<u>Social Science</u> (including those listed below)	
9 th Freshmen Requirements	10
10 th World History	10
11 th U.S. History	10
12 th Civics	5
12 th Economics	5
<u>Science</u> (2 semesters of physical & 2 semesters of life; one of these courses must be a lab science)	20
<u>Math</u> (3 courses; must include Algebra 1 and Geometry and one additional math course)	30
<u>Physical Education</u>	20
<u>Fine Arts</u>	10
<u>Foreign Language</u>	10
<u>Electives</u>	60
Total Credits Required	230

GPA Requirement

In order to be eligible to receive a Liberty High School diploma, a student must:

Maintain a 2.0 GPA or better for the Freshman, Sophomore, Junior, and Senior years for all classes taken

OR If the student experiences difficulty early in his/her high school years, maintain a 2.14 GPA for the Sophomore, Junior, and Senior years for all classes taken

OR

Maintain a 2.29 GPA for the Junior and Senior years for all classes taken.

Test Requirement

Students must obtain a passing score on both parts (English-Language Arts and Math) of the California High School Exit Exam before their date of graduation.

Senior Exit Interview

Students must complete and pass all components of the Senior Exit Interview process as prescribed by Liberty High School, including at least 25 hours of verified community service combined with yearly participation in STAR testing.

Academic Policies

Credit Guidelines

A student receives five semester credits for each class at the end of each semester in which a passing grade (A,B,C,D, or P) is earned. No credit is awarded at the issuance of the six or twelve-week progress report cards. Grades at those times are strictly progress reports to the students and parents. A minimum of 230 credits obtained in specific academic areas are required to be eligible to receive a Liberty High School diploma (please see previous page for a full description of all graduation requirements).

Promotion-Retention

In order to be classified as the next subsequent grade level, the student must obtain a minimum amount of credits as outlined below:

Grade 10:	50 Credits Required
Grade 11:	100 Credits Required
Grade 12:	150 Credits Required

Students who do not meet the promotion standards and who are deemed not on track to graduate with their class may be subject to transfer to an alternative education program.

Repeatable Courses

Certain courses are not repeatable for credit if the student has already earned a passing grade the first attempt. Please review each course description to determine which courses are not repeatable for credit.

Repeating a Course

If a student repeats a course, the original grade received will remain on his or her high school transcript and the new grade earned will be documented as well. All coursework attempted will be computed into the student's cumulative GPA. Liberty High School does not substitute previous grades with better grades earned.

Impacted Classes/Competitive Enrollment

For any class that receives more student requests than can be accommodated, additional selection criteria will be used to determine final course placement which may include cumulative g.p.a., standardized test results, teacher recommendation, and previous grades received in related courses.

Computing Grade Point Average

The grade point average is computed by awarding grade points (A=4, B=3, C=2, D=1, F=0) multiplied by the number of credits earned in that class, adding all classes on the transcript together for a grand total, and then dividing that total by the total number of credits attempted in high school.

Advanced Placement Courses

The Advanced Placement (AP) Program is a cooperative endeavor that allows able high school students complete college-level coursework. Upon completion of an AP course, the student has the opportunity to take the corresponding AP exam(s) which are offered each spring. Students successful in AP courses generally have adequate preparation for these comprehensive AP exams. Students choosing to take an AP Exam are subject to a test fee which is charged by the College Board. Most colleges award credits and/or advanced placement for demonstrated subject area proficiency as set by the College Board. The AP program's policies are determined and implemented by the College Board. For more information, log on to www.collegeboard.com.

College Entrance Requirements

Community College (2-year)

Admission to a community college is open to anyone who is at least 18 years old, or has a high school diploma or the equivalent (such as the California High School Proficiency Examination or G.E.D.).

Special Part Time Program

A program for high school juniors and seniors who can benefit from advanced scholastic and vocational work may be admitted to receive college credit.

Eligibility requirements:

1. Cumulative high school GPA of at least a 2.5.
2. Approval from high school principal, counselor, and parent.
3. Take an English and Math placement test.
4. Student may choose from all courses listed in the college catalog providing the course is not offered at Liberty High School and the student meets the stated course prerequisites.

NCAA College Athletic Eligibility

In order to be eligible to participate on Division 1 or 2 college athletic teams, a student must complete the following prior to high school graduation:

Division 1

1. Meet the g.p.a. and SAT/ACT test score requirement as indicated on their sliding scale
2. Complete 16 NCAA approved core courses:
4 years English
3 years of mathematics (Algebra 1 or higher)
2 years of natural/physical science (1 year lab)
1 year of additional English, math, or science
2 years of social science
4 years of additional courses from any area above and foreign language

Division 2

1. Meet the minimum g.p.a. and SAT/ACT score requirement
2. Complete 14 NCAA approved core courses:
3 years of English
2 years of math (Algebra 1 or higher)
2 years of natural/physical science (1 year of lab)
2 years of additional English, math, or science
2 years of social science
3 years of additional courses from any area above and foreign language

Students must also register with NCAA clearinghouse during the Spring of their junior year and no later than the Fall of the senior year at www.eligibilitycenter.org in order to be reviewed for initial athletic eligibility.

University of California and State Colleges (4-year)

To view approved college prep courses for Liberty High go to www.ucop.edu/doorways. A-G approved courses are indicated throughout this handbook with a (P).

1) A-G subject requirements for entering freshmen from high school: (grades of "C" or better each semester are required)

- A. Social Science, 2 years
World History and U.S. History
- B. English, 4 years
- C. Mathematics, 3 years
Algebra 1, Geometry, Algebra 2
- D. Lab Science, 2 years
(3 years recommended)
Biology, Chemistry, and Physics; two of the three disciplines required
- E. Language other than English, 2 years same language (3 years recommended)
- F. Visual/Performing Arts, 1 year
- G. Elective, 1 year

2) SAT I or ACT test is required for CSU and UC *SAT Subject tests may be required or recommended by select colleges and/or majors. Consult the college you are interested in for exam requirements and recommendations.*

3) Entrance is established by an eligibility index which is determined by a combination of the student's grade point average of a-g courses and test scores, and/or a process of comprehensive review which evaluates 14 admissions criteria components (see UC and/or CSU eligibility index for further information).

4) Evidence of personal traits, accomplishments, and experiences that show an applicant's promise to be a valuable contributor to the educational environment and community.

LIBERTY HIGH SCHOOL CURRICULUM

Language Arts

English 9 (P) 9

This is a 9th grade California Standards based course. It guides the student through the process of literary analysis, vocabulary development, and critical thinking skills through reading various types of text. The writing process and language skills are emphasized.

English 9 Honors (P) 9

Prerequisite: Completion of English 8 with A- or better, Proficient or higher on ELA CST, teacher recommendation, and minimum overall 2.5 G.P.A.

This course is for entering ninth grade students who have exhibited a need for advanced and accelerated curriculum. Sophisticated levels of literacy forms and types, as well as style and structure are emphasized in addition to advanced essay writing skills. This course will be accelerated and will include intensive coverage of curriculum that will prepare students for future Advanced Placement courses. Students must maintain a B- or better to remain in Honors.

English 10 (P) 10

This is a 10th grade California Standards based course. It guides the student through the process of literary analysis, vocabulary development, and critical thinking skills. The writing process and language skills are emphasized.

English 10 Honors (P) 10

Prerequisite: Completion of English 9 with an A- or better, English 9 Honors with a B- or better, proficient or better on ELA CST, teacher recommendation, and a minimum overall 2.5 G.P.A.

This course is for 10th grade, college preparatory students who have exhibited a need for advanced and accelerated curriculum. Sophisticated levels of literacy forms and types, as well as style and structure are emphasized in addition to advanced essay writing skills. This course will be accelerated and will include intensive coverage of curriculum that will prepare students for future Advanced Placement courses. Students must maintain a B- or better to remain in Honors.

English 11 (P) 11

This is an 11th grade California Standards based course. Instruction in this course is designed to continue the students' development of composition and literary skills. Literary goals are achieved through a focused, chronological study of American Literature. Students will complete a variety of writing activities, including narrative, expository, persuasive, informational, and descriptive writing that demonstrates research, organization, and drafting strategies.

AP Language and Composition (P) 11

Prerequisite: Teacher recommendation, proficient or higher on ELA CST, and minimum overall 2.5 G.P.A.

This advanced placement course covers entry level college composition skills necessary to prepare students to take the College Board exam in May for college placement and/or credit. This course engages student in becoming skilled readers of prose written in a variety of time periods, disciplines, and rhetorical contexts. Refinement of writing skills will also be emphasized.

English 12 (P) 12

This is a 12th grade California standards based course. Literary works are surveyed from the beginnings of the written language to great prose works of the modern era. This course will emphasize short research papers and refinement of writing skills, as well as critical analysis and speaking skills.

AP Literature and Composition (P) 12

Prerequisite: Teacher recommendation, proficient or higher on ELA CST, and minimum overall 2.5 G.P.A.

This advanced placement course covers entry level college literary skills necessary to prepare students to take the College Board exam in May for college placement and/or credit. This course engages student in the careful reading and critical analysis of imaginative literature. A deepened analysis of written language will be emphasized.

Basic English 9-10-11-12

Prerequisite: Resource Program qualification and teacher recommendation.

This class is designed for Special Education students to learn basic English concepts through a variety of learning strategies, with the help of various supplemental materials. The course's basic learning concepts will coincide with the teaching of life skills. This course may be repeated for English credit.

ELD 9-10-11-12

This English Language Development course is designed to assist English Language Learners in further developing their ability to speak, read, and write in the English language at the standards required for redesignation. *Students who complete this English-language support class will receive elective credit only.*

CAHSEE English 11-12

Students who have not received a passing score on the Exit Exam, ELA section will be placed into this class to receive additional instruction. The continued development of vocabulary, reading, and writing skills will be the focus of this class. *Students who complete this class will receive elective credit only.*

Mathematics

Liberty High places great emphasis on appropriate placement in math courses. Therefore, often times multiple factors are used such as grades received in prior courses, teacher recommendation, and more importantly scores received on CA State standardized tests (CST). On occasion, a student may be recommended to repeat a math course if appropriate mastery of subject matter has not been demonstrated as measured by the criteria just stated above. In most cases, "successful completion" of a math course requires students to have earned a "C-" or better unless otherwise stated in the course description.

Incoming 9th grade students will be held to a higher standard when being considered for math placement. A score of proficient or higher on their end of course CA State standardized math test, in addition to other criteria, will be required to promote to the next higher math course.

It is recommended that students purchase a scientific/graphing calculator that meets the requirements of the Advanced Placement College Board.

Pre-Algebra 9

Pre-Algebra will address the skills needed in order to succeed in Algebra 1 and future math courses. Topics include solving equations, fractions, percents and problem solving.

Algebra Literacy/CAHSEE Math 9-10-11-12

Prerequisite: Teacher recommendation.

This course focuses on the foundation, concepts and skills of Algebra and basic mathematics. It will involve daily homework that will parallel the subject matter covered in class. The course will require completion of assignments to ensure success on exams. This course is intended to prepare students for success on the California High School Exit Exam and to provide additional support in Algebra. *Students will receive elective credit only for completing this course.*

Algebra 1 (P) 9-10-11-12

Prerequisite: Successful completion of Pre-Algebra or teacher recommendation.

This course is based on the standards set by the State of California. A student completing Algebra 1 must be able to solve numerically, graphically, verbally, and analytically linear and quadratic equations and solve various real life applications using various algebraic techniques to prepare students for Geometry and higher levels of Algebra. If you have already received credit for Algebra you cannot receive credit for repeating this course.

Geometry (P) 9-10-11-12

Prerequisite: Successful completion of Algebra I or teacher recommendation.

This course is based on the standards set by the State of California. A student completing Geometry must have developed the basic tools and reasoning skills for problem solving and simple proofs; be familiar with and able to use geometric formulas; be able to recognize basic polygons and polyhedra; have an intuitive idea of congruence and similarity; and be able to write and verbalize explanations for choices made in problem solving. At the completion of the course, students should be equipped with the skills necessary to be successful in other advanced college preparatory mathematics courses. If you have already received credit for Geometry you cannot receive credit for repeating this course.

Algebra 2 (P) 9-10-11-12

Prerequisite: Successful completion of Algebra 1 and Geometry or teacher recommendation.

This course is based on the standards set by the State of California. A student completing Algebra 2 should have developed a variety of advanced problem solving skills. Students will demonstrate their ability to evaluate and use algebraic expressions and solve numerically, graphically, verbally and analytically linear, quadratic, exponential, logarithmic and trigonometric equations.

Contemporary Math 12

Prerequisite: Successful completion of Algebra 1 and Geometry or teacher recommendation.

This course is considered the alternative to Algebra 2. This course will introduce students to mathematical problem solving including statistics, social choice, mathematics shape and growth, and management science.

Statistics (P) 11-12

Prerequisite: Successful completion of Algebra 2.

In this course students will be introduced to organizing data, averages and variation, correlation and regression, Elementary Probability Theory, binomial probability distribution, normal curves and sampling distributions, estimation, hypothesis testing, inferences about differences, and additional topics using inference.

Pre-Calculus (P) 10-11-12

Prerequisite: Completion of Algebra 2 with a "B-" or better or teacher recommendation.

This course is based on the standards for trigonometry and mathematical analysis set by the State of California. The course will include a strengthening of the student's numerical, graphical, verbal, and analytical understanding of algebraic, trigonometric, logarithmic, and exponential functions. A student who has completed a year of Pre-Calculus will be able to enter a higher level of mathematics study with a mathematical maturity level necessary to pursue higher level courses, in particular, a beginning course in analytic geometry or calculus.

AP Calculus AB/BC (P) 11-12

Prerequisite: Successful completion of Pre-Calculus, teacher recommendation, and minimum overall 2.5 G.P.A.

This AP course focuses on developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. Emphasis is placed on a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally.

Basic Math 9-10-11-12

Prerequisite: Resource Program qualification and teacher recommendation.

This class is designed for Special Education students to understand basic math skills concepts through a variety of learning strategies, with the help of various supplemental materials. The course's basic learning concepts will coincide with the teaching of life skills.

Science

Earth Science Technology (P) 9-10-11-12

This introductory science course meets one year of science graduation requirement. Students study geology, climate, ecosystems of the planet earth, as well as an in-depth study our solar system utilizing various technological programs and resources including the use of computers.

Agricultural Earth Science (P) 9-10-11-12

Earth Science is an introductory science course that meets one year of science graduation requirement. Students will use agriculture as a learning tool, to study geology, climate, ecosystems of the plant Earth, and our solar system. Students may be required to participate in activities outside of class and after school hours as part of their grade.

Biology (P) 9-10-11-12

Prerequisite: "A-" or better in eighth-grade science for incoming ninth grade students.

This is a college prep life science oriented/laboratory course that meets the graduation requirements for one year of life science. This college preparatory course is intended to provide the student with an introductory exploration of cellular, molecular, plant, and animal biology; human anatomy and physiology; classification and diversity of organisms; ecology; evolutionary trends; and scientific investigation. The course will consist of discussion, lectures, and laboratory investigations.

Agricultural Biology (P) 9-10-11-12

Prerequisite: Teacher recommendation for ninth grade students.

Agricultural Biology is a one-year, laboratory science course designed for the college-bound student with career interest in agriculture. Using agriculture as the learning vehicle, the course emphasizes the principles, central concepts, and inter-relationships among the following topics: the molecular and cellular aspects of life, the chemical and structural basis of life, genetics of life, growth, reproduction in plant and animals, leadership, FFA, and record keeping. Students may be required to participate in activities outside of class and after school hours as part of their grade.

AP Biology (P) 10-11-12

Prerequisite: Teacher recommendation, proficient or higher on ELA and Biology CST, and minimum overall 2.5 G.P.A.

The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and an appreciation of science as a process. The primary emphasis is developing an understanding of concepts rather than on memorizing terms and technical details. The goals of AP Biology will correspond with the "eight themes" established by the College Board organization, for all advanced placement biology courses.

Chemistry (P) 10-11-12

Prerequisite: Successful completion of Biology, Algebra 1, and Geometry; concurrent enrollment in Algebra 2 or higher (teacher recommendation for tenth grade students).

This is a college prep physical science oriented laboratory course that meets the graduation requirement for one year of physical science. This course provides students with an introductory exploration of theories and concepts in modern chemistry. The course emphasizes the structure of the atom, solutions, equilibrium, periodic properties, bonding of common reactions, acid-based reactions, and oxidation-reduction reactions. The students will also be introduced to quantum mechanics, nuclear chemistry, and stoichiometry. The laboratory work uses both household products as well as standard chemistry reactants to demonstrate the theoretical and practical processes involved in chemistry.

Physics (P) 11-12

Prerequisite: Successful completion of Chemistry and Algebra 2.

This science course deals with the relationship between matter and energy. Topics include mechanics, heat, thermodynamics, electricity, magnetism, waves, optics, and nuclear physics.

Veterinarian Science 10-11-12

Prerequisite: Successful completion of Biology.

Veterinary Science class offers a more advanced general orientation in the many areas of animal science. It will provide information, activities and skills in the areas of scientific method, mammalian production and reproduction, health care, anatomy, physiology, nutrition, genetics, and production management. Emphasis is placed on large animals that are most important to human culture as we know it today. *Elective credit will be awarded each semester for this course.* This class may be offered every other year.

Ornamental Horticulture (P) 11-12

The class prepares students for careers in the nursery, landscaping and floral industries. Topics include plant identification, plant physiology, soil science, plant reproduction, nursery production and floriculture as well as landscaping design, installation and maintenance. Floral design is a part of this course that will allow students to apply an artistic approach to floral design. Students will explore elements and principles of design, two or three dimensional designs, history of floral art, arrangement styles and techniques, seasonal, holiday and occasional designs. Students will learn how to be profitable, operate spreadsheets, and shop for the best deals in materials. Students are expected to participate in FFA activities which may occur after class and school hours. *Elective credit will be awarded for completing this class.*

Social Science

Freshmen Requirements 9

The Freshman Requirements course will consist of a yearlong class during the 9th grade. First Semester will consist of 3 parts that coincide with the 6, 12 and 18 week grading periods. The first 6 weeks will consist of Academic Success in which students are taught the necessary tools to be successful in High School. The middle 6 weeks will be Health, which will guide students through the many dimensions of wellness. The last 6 weeks will be Drivers Education, and the goal is to educate students on driver's safety and following the rules of the road. The second semester will consist of a full semester of World Geography which will focus on topics related to human and physical geography.

World History (P) 10

In this course students study the major turning points that shaped the modern world, from the late 18th century through the present, including the cause and course of the two world wars. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Students develop an understanding of current world issues and relate them to their historical, geographical, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives.

AP European History (P) 10

Prerequisites: Teacher recommendation, proficient or higher on ELA CST, and overall 2.5 G.P.A.

AP European History offers a multi-disciplinary approach to the teaching of European History from 1450 to 2000. Equal emphasis is placed on cultural and intellectual history, social and economic history, and political and diplomatic history. Art and literature of each time period are combined with the ideas and social and political movements of their corresponding period. While satisfying the state requirements for 10th grade social studies, it also will prepare students for successfully completing the AP exam, which can earn them college credit for the course.

United States History (P) 11

Students in this course will review key ideas and institutions that the United States inherited from past civilizations. They will study the events that were key to our emergence as a world power at the beginning of the 20th century, understanding the significance of democratic ideals and industrial transformation. The students will study the Progressive Era, the Jazz Age, the Great Depressions, World War I, World War II, the Cold War, the Civil Rights Movement, the Vietnam War, and Contemporary American Society and our role in the world today.

AP United States History (P) 11

Prerequisite: Teacher recommendation, proficient or higher on ELA CST, and a minimum overall 2.5 G.P.A.

This advanced college preparatory course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with problems and materials in United States History. Students will learn to assess historical information, its relevance and importance, in order to weigh the evidence and interpretations presented in historical scholarship.

Civics (P) 12

This one semester course will provide students with a comprehensive study of all levels of government in the United States, specifically the national, state, and local levels of government. The students will also gain valuable insight to their responsibilities as citizens of this country.

Economics (P) 12

This one semester course will present an overview of economics, including the different economic systems and how each answers the basic economic question along with an adequate analysis of microeconomics and macroeconomics.

AP Government (P) 12

Prerequisite: Teacher recommendation, proficient or higher on ELA CST, and minimum overall 2.5 G.P.A.

This course is designed to give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. Politics and the analysis of specific examples.

Physical Education

Physical Education 9-10-11-12

This course is a California State requirement for all freshman and sophomore students and includes both team and individual activity. Students are evaluated on participation, effort, attitude, sportsmanship, citizenship, personal hygiene, and written and skill tests. Students must provide their own gym clothes. This course also includes key elements of health and wellness such as physical fitness, nutrition, weight control, first aid, safety, CPR, anatomy and physiology, stress reduction, and wellness. Students who do not pass five of six fitness standards by the end of their sophomore year will be placed in P.E. each subsequent year until five of six fitness standards are met.

Powerlifting 10-11-12

Prerequisites: Successful completion a year long PE course in 9th grade, must have met CA Physical Fitness Standard Competencies, clearance for athletic participation prior to enrollment in powerlifting (a complete athletic packet, annual physical, academic eligibility, etc.), participation in a LHS sport, must maintain athletic eligibility at all times. Ineligibility at any time will result in removal from the class.

The student athletes will participate in a variety of different types of work outs, including lifting weights, agility training, cardiovascular endurance training, and core exercises. We will be on a four day lifting cycle for the week alternating days for upper body workouts and lower body workouts. This class is designed for the student/athlete and will include high intensity training. The athletes will be tested at the beginning of the semester to develop their individual baseline and then be tested at the grading periods to measure their growth. This along with dress and participation in the class will determine the grade they earn. This course may be taken for PE credit if prerequisites have been met. Otherwise, elective credit will be awarded.

Foreign Language

Spanish 1 (P) 9-10-11-12

This is a course for students who have had little or no exposure to Spanish. Students will learn elementary speaking, reading, listening and writing of Spanish. Homework may be assigned each class meeting. The class is communication-based in a highly interactive, student-centered environment.

Spanish 2 (P) 9-10-11-12

Prerequisite: completion of Spanish 1 with a C- or better, an A in 8th grade Spanish, or teacher permission.

Spanish 2 is an extension of Spanish 1 and will continue to develop basic skills leading to some fluency in speaking, reading, listening and writing of Spanish. Homework may be assigned each class meeting.

Spanish 3 (P) 10-11-12

Prerequisite: completion of Spanish 2 with a C- or better or teacher permission.

Spanish 3 is an advanced class. This course is content-based and student-centered. Units are geographically oriented, and lessons focus on Spanish speaking countries/groups. Homework may be assigned each class meeting. Students who are proficient in Spanish are encouraged to enroll in this class.

German 1 (P) 9-10-11-12

This is a course for students who have had little or no exposure to German. Students will learn elementary speaking, reading, listening and writing of German. Homework may be assigned each class meeting. The class is communication-based in a highly interactive, student-centered environment. This course may be offered every other year.

German 2 (P) 9-10-11-12

Prerequisite: completion of German 1 with a C- or better or teacher permission.

This course is a continuation of German 1. Students will continue to develop German vocabulary, written and oral, as well as speaking fluency. This course may be offered every other year.

Visual and Performing Arts

Art 1 (P) 9-10-11-12

This course is a first year art course in the fundamentals of art. This course will lead students to understand artistic perception, creative expression, historical and cultural contexts, as well as aesthetic valuing and connections, relations, and applications of the visual arts. Selected historical or cultural contexts will be applied with attention to analysis, interpretation, and judgment of student work as well as appreciation of art works from other cultures and times.

Art 2 (P) 10-11-12

Prerequisite: Successful completion of Art 1

This course continues the development of skills in the procedures, techniques, vocabulary, and understanding of drawing and design. Students will further their knowledge of artistic perception, creative expression, historical and cultural contexts, aesthetic valuing and application of the visual arts. Longer, more detailed projects as well as Individual projects become the dominant element for grading.

AP Art Studio (P) 11-12

Prerequisite: Teacher recommendation

This course is an advanced art course focusing on advanced drawing, painting, and photography techniques and will also require students to create a portfolio of various art practices for submittal as per the AP requirements. This course will enhance students' abilities to represent art using artistic perception, creative expression, historical and cultural contexts, as well as aesthetic valuing and connections, relations, photography, and applications of art. Students will further investigate style and begin to represent artworks that show where their dominant creative abilities are most advanced.

Digital Art and Design (P) 11-12

This course is a first year course in the fundamentals of Photography. With the advancement of technology, the class will focus around both Traditional and Digital Photography. Black and white photography and developing will be the main format for the opening section. Digital photography will also be introduced to the students utilizing computer technology and applications not seen in Traditional photography.

ROP Digital Media (P) 11-12

Recommendation: Art 1 or Digital Art preferred but not required for enrollment

Prerequisite: student must be 16 years of age or older or a junior or senior.

The Digital Media classroom is offered to introduce students to a variety of occupations within the visual arts world. Students will be exposed to a variety of digital media applications, equipment utilization and a curriculum focus on project development and presentation. Throughout this course, students will learn how to properly use Adobe Photoshop, Illustrator, InDesign, the digital camera, graphic and design techniques.

Beginning Band 9-10-11-12

Prerequisite: Teacher permission.

This course is designed for students interested in playing a musical instrument that have no prior experience or knowledge of how to read music. Topics covered throughout the year include band literature, theory and the history of music. The band performs at several concerts throughout the year. Students will be expected to participate in practice and events outside of the regularly scheduled school day. P.E. credit is given first semester and Fine Art credit is given second semester.

Advanced Band (P) 9-10-11-12

Prerequisite: Teacher permission.

Although there is no audition required to join this band, students must have at least one year of prior experience on a wind or percussion instrument, unless obtaining the permission of the instructor. Topics covered throughout the year include band literature, theory and the history of music. The band performs at several concerts throughout the year. Students will be expected to participate in practice and events outside of the regularly scheduled school day. P.E. credit is given first semester and Fine Art credit is given second semester.

Color Guard 9-10-11-12

Prerequisite: Teacher permission.

Color Guard or "Tall Flags" as they are more commonly referred to is a companion to the Marching Band. The members of the Color Guard march and perform a flag routine that is coordinated to the Marching Band's field show and participate in competitions with the Marching Band. Participants learn marching techniques and a field show. In the spring, students participate in Winter Guard reviews and other performance events. The season begins in mid-August, with a training camp which is held just prior to the start of the fall semester. P.E. credit is given first semester and elective credit second semester. This class may require participation in activities outside of class-time and after school hours.

Advanced Choir (P) 9-10-11-12

Prerequisite: Audition or teacher permission.

A group of vocalists selected for their abilities to perform technically demanding material including, but not limited to, chamber music, jazz, spirituals, and contemporary composition. Students will be expected to perform at times outside the regular school hours. Some expenses should be expected related to travel, outfits, etc.

Drama (P) 9-10-11-12

This course develops students' skills in communication and performance through the study of and participation in play production. A variety of theater facets will be covered: Set design, make-up, costume, lighting, and acting technique. Six to eight weeks of after school commitment will be necessary and expected.

Career Technical Education

BUSINESS

Web Page Design 9-10-11-12

In this introduction to web page design, students begin by learning to hand code web pages with HTML, XHTML, and CSS. Students go on to learn web page development using real world tools such as Dreamweaver, and Flash.

ROP Virtual Enterprise 11-12

Prerequisite: Must be 16 years of age or older or be in the 11th or 12th grade.

ROP Virtual Enterprise is a simulated business that is set up and run by students to prepare them for working in a real business environment. Students learn about Economics--micro and macro--and its relationship to and impact on business operation in the private enterprise system. The students study supply and demand, the Federal Reserve System, taxation by local, state, and federal governments, business organizations, the stock market, and international transactions. The students determine the nature of their business, its products and services, its management and structure, and learn the daily operations of a business under the guidance of a consultant with the support of a real business partner.

Health and Medical

ROP Sports Medicine (P) 11-12

Prerequisite: Must be 16 years of age or older or a junior or senior; earned a "B-" or better in Biology and Chemistry; successful completion of Algebra and Geometry; overall gpa of 2.75 or higher.

This course will address basic human anatomy and physiology, mechanisms of a sport injury, basic injury evaluation and management, injury rehabilitation, sports medicine modalities including taping, wrapping, protective bracing, equipment fitting. Students also have the opportunity to gain valuable experience by volunteering as a student athletic trainer for athletic events at Liberty High School. Students enrolled in this course will also have the opportunity become CPR certified.

Work Experience

Work Experience 11-12

Prerequisite: Employment in suitable job with 120 hours minimum per semester; permission of supervising teacher.

Work Experience is repeatable for a maximum of 20 credits. Student must be 16 years or older. Work Experience provides an opportunity for students to earn credits toward graduation while earning pay in an outside job. Students are required to complete learning activities about careers and work as well as attend weekly meetings with the work experience teacher.

Student Services

Student Aide 12th only

Prerequisite: Permission of instructor.

Teaches students work skills and attitudes through working as assistants for teachers, as office aides, as cafeteria aides, as library aides or in other areas of school operation. Students may not enroll in more than one period per semester. Pass/Fail grading.

Non-Departmental Electives

Yearbook 9-10-11-12

Prerequisite: Enrollment is by permission of the instructor. Students compose, edit, publish, and market the yearbooks, as well as sell advertisements.

Journalism 9-10-11-12

Prerequisite: Teacher permission.

This course will take the student through the entire publishing process. Writing, editing, layout, paste-up, proofreading, advertising, photography, printing, distribution are all aspects that students will participate in completing to create a campus newspaper. It guides students in critical thinking and the journalistic process.

ASB/Student Leadership 9-10-11-12

Prerequisite: Teacher permission by application and/or election to student body or class office.

Provides training for student leaders in parliamentary procedure, organization of large and small group assemblies, running of organizational meetings, construction of performance visual aides, and other aspects of student leadership. This course provides class time to perform tasks associated with elected and appointed student offices. Hours outside of class time are required for all students enrolled. One letter of recommendation must accompany application for students not holding an office.

AVID 9-10-11-12

Prerequisite: Meet the enrollment criteria as outlined by the AVID program and permission of the AVID Coordinator.

This course is designed to give the students, who have the potential to succeed in a college preparatory path, the skills and support to be successful in high school and to gain admission to four-year colleges and universities. AVID is an elective course that focuses on college preparation, writing, note-taking, reading, and collaboration in order to increase school-wide learning and performance.

Humanities 9-10-11-12

This course explores the areas of Art, Economics, Language, Literature, Music, Science, Speech, and Social Science taught in thematic units, while developing research skills, essay writing, interviewing techniques, problem solving, and interpersonal skills of teamwork. This course will prepare students for the Academic Decathlon Competition.

Mock Trial 9-10-11-12

This course will help students acquire a working knowledge of our judicial system, develop analytical abilities and communication skills, and gain an understanding of their obligations and responsibilities as participating members of our society. This course will prepare students to participate in local and statewide Mock Trial competitions.

