

Dixon High School

Course Catalog

2019-2020



555 College Way, Dixon, CA 95620

Telephone: 707-693-6330

Fax: 707-678-9318

www.dhsrams.com

Dixon High School will develop and integrate the structures and practices necessary to ensure all students learn at high levels. Students will graduate from Dixon High School college and career ready, prepared for the global demands of the 21st century.

Table of Contents

DHS Graduation & College Admissions Requirements	2
Dixon High School Graduation and College Admissions Checklist Worksheet	3
Dixon High School A-G (CU/CSU) College Admissions Approval List	4
Career and College Information Websites	5
Advance Placement Overview	6
English	7
Academies	9
History/Social Science	11
Mathematics	13
Science	16
Foreign Language	20
Visual & Performing Arts	24
Family Consumer Science	27
Career Technical Education/Agriculture	28
Technology	30
Non-Departmental	33
Physical Education	35
Special Education	36

Dixon Unified school District programs and activities shall be free from discrimination, including harassment, intimidation and bullying based on a student's actual or perceived disability, gender, gender identity, gender expression, nationality, race, ethnicity, genetic information, color, ancestry, religion, sexual orientation, age, marital or parental status, national origin, ethnic group identification, physical or mental disability, sex or association with a person or group with one or more of these actual or perceived characteristics. Coverage applies to admission to, participation in, treatment and employment in all District programs and activities. Lack of English language skills will not be a barrier to admission and participation in a District program.

DHS Graduation & College Admissions Requirements

<u>Course Requirements</u>	<u>Years Required</u>	<u>DHS Credits Required</u>	<u>UC/CSU Requirements</u>
ENGLISH	4 Years	40	4 Years
MATH A full year of (IM I, IMII, IMIII (fall and spring)	3 Years	30	3 Years
SCIENCE Science (To include 1 year Life Science and 1 year Physical Science)	2 Years	20	2 Years Lab
SOCIAL SCIENCE			2 Years
World History (10th grade)	1 Year	10	
US History (11th grade)	1 Year	10	
American Gov't (12th grade)	1 Semester	5	
Economics (12th grade)	1 Semester	5	
HEALTH/TECHNOLOGY 9th grade	1 Year	10	
PHYSICAL EDUACTION PE 9 Required PE10/12***	2 Years	20	
ELECTIVES 1 year Foreign Language or 1 year Vocational Art 2 nd year Foreign Language or 1 year of Fine Arts	2 Years	20	2 Years of FL & 1 Year VPA
OTHER ELECTIVE REQUIREMENTS		50	Other College Prep Elective
TOTAL CREDITS REQUIRED FOR GRADUATION:		220	
<i>*** A "D" grade awards high school credit towards graduation, but it doesn't meet the A-G college admissions requirements. A grade of "C" or better is required to meet UC -CSU (A-G) requirements.</i>			

****Two semesters of sports participation in 10th or 11th grades may be counted to fulfill the second year of Physical Education requirement (PE 10/12)**

If you are enrolled in Marching Band for 2 years in grades 10-12, it fulfills one year of PE, but after you have completed PE 9.

VPA= Visual and Performing Arts

FL= Foreign Language

Dixon High School Graduation and College Admissions Checklist Worksheet

Subjects	Grade 9		Grade 10		Grade 11		Grade 12		High School Graduation Requirements	College Admissions A-G Requirements <i>Grades of C's or higher</i>
	S1	S2	S1	S2	S1	S2	S1	S2		
Health and Tech 9 th grade requirement									1 Semester of each subject	Not a Requirement
English 9-12 grade									4 years = 40 credits	4 years Required
Foreign Language or Vocational Arts 10 credits									Foreign Language is not required to graduate from Dixon High School	Foreign Language 2 years required . 3 years recommended
Foreign Language or Fine Arts 10 credits										Visual Performing Arts 1 Year required (Fine Arts)
Math									3 years = 30 credits	IM I, IM II, IM III. 3 years required 4 years recommended
PE 9 - Required PE 10/12									2 yrs. = 20 credits 2 sports can fulfill PE 10/12 During 10 & 11 grade	Not a Requirement
Science									Life/Bio Science = 10 credits Physical Science = 10 credits	2 years Lab Science required 3 years recommended
Social Science									World Hist. = 10 U.S History = 10 Government = 5 Economics = 5	World History 1 year U.S. History 1 year 2 years required
Elective Choice									50 Credits	College Prep. Elective 1 year required

Total Credits Required for Graduation: 220

DIXON HIGH SCHOOL A-G (UC/CSU) COLLEGE ADMISSIONS APPROVAL LIST

Grades of "C" or better required in all "A-G" courses

(Courses with *** are no longer available at DHS, but still meet A-G requirements)

a- History/Social Science

(2 years required)

Economics/Civics
US History
AP World History
World History
Academy Civics/Economics
Academy US History
AP US Government & Politics
AP US History

b- English (4 years required)

English 9
English 10
English 10 Honors
English 11
English 12
Academy English
AP Language and Composition
AP Literature and Composition

c- Mathematics

(3 years required, 4

recommended)

Integrated Math I
Integrated Math II
Integrated Math III
Integrated Math III/Calculus
AP Calculus
Pre-Calculus
Pre-Calculus Honors ***
Statistics
AP Statistics

d- Laboratory Science

(2 years required, 3

recommended)

Ag Biology***
AP Biology
Biology***
The Living Earth
Sustainable Ag Biology
Chemistry
Chemistry Honors
Physics
Academy Physics
Honors Physics
Physiology
Academy Applied Chemistry
Ag Chemistry
AP Environmental Science
Animal Science

e- Foreign Language

(2 years required, 3

recommended)

French 1 ***
French 2***
French 3-4
Native Spanish 1
Native Spanish 2
Native Spanish 3
Native Spanish 4
Spanish 1
Spanish 2
Spanish 3
Spanish 4
AP Spanish Language

f- Visual & Performing Arts

(1 year required)

Drama
Drawing 1-2
Drawing 3-4
Jazz Ensemble
Symphonic Band
Wind Ensemble
Multimedia Art 1
Multimedia Art 2
Multimedia Studio
Art Studio
Ceramics 1
Ceramics 2
AP Ceramics
AP Drawing
Floral Design
Choir

g- Electives (1 year required)

Environmental Science
Ag Environmental Science***
Psychology***
AP Psychology
Computer Science***
AP Computer Science A
AP Computer Science Principles
Child Development
AGI Environmental ***
Family Consumer Science Culinary 1
Family Consumer Science Culinary 2
Advanced Topics in Computer Science

CAREER AND COLLEGE INFORMATION WEBSITES

General information about, and links to the systems of higher education in California (UC, CSU, community colleges and independent/private schools). Explore colleges and careers and take self-assessments.

<p>The University of California http://admission.universityofcalifornia.edu</p> <p>The California State University System www.csumentor.edu</p> <p>California Private/Independent Colleges www.aiccu.edu</p> <p>California Community Colleges www.cccco.edu</p> <p>Explore colleges, careers, self-assessments www.californiacolleges.edu</p> <p>Student transfer information for California Colleges www.assist.org</p> <p>SAT Registration http://sat.collegeboard.org/home</p> <p>SAT Prep http://www.collegeboard.com/student/testing/sat/rep_one/prep_one.html</p> <p>PSAT Prep http://www.collegeboard.com/student/testing/psat/psatextra.html (free if you have taken the PSAT)</p> <p>ACT Registration www.act.org</p> <p>ACT Prep http://www.actstudent.org/testprep/</p>	<p>Financial Aid Federal Student Aid Information www.studentaid.ed.gov</p> <p>This Web site is your source of information for the Federal Student Aid PIN www.pin.ed.gov</p> <p>File the FAFSA, FAFSA4caster: www.fafsa.ed.gov</p> <p>The CSS/Financial Aid profile is sometimes requested by private colleges and can be accessed at http://css.collegeboard.org/</p> <p>Cal Grant Information http://www.csac.ca.gov/</p> <p>Research Careers O*NET – http://online.onetcenter.org (click on Find Occupations)</p> <p>Occupational Outlook Handbook – http://www.bls.gov/oco (type in general term for career of interest)</p> <p>Scholarship database www.fastweb.com</p> <p>National College Athletics Association www.ncaa.org</p>
---	---

ADVANCED PLACEMENT

	Advanced Placement (AP)
Description	AP courses enable high school students to participate in college-level course work while in high school. The AP courses are audited by College Board.
Eligibility	Students must demonstrate proficiency in reading, math, and science. Each high school develops its own criteria for student participation in these rigorous courses.
Grades	AP grades are given by the teacher.
College Credit	Students must take an AP Exam to receive college credit. The exam is given at the high school during May. Dates are set by College Board. The credit received is based on scores earned on the AP exam. Over 90% of U.S. colleges and universities, give credit for AP exams based on scores. Private and out-of-state colleges/universities reserve the right to use or not use AP course/grades. Some may use weighted grades while others do not. Some may/may not give priority to students who have taken AP courses. Some may/may not grant credit or advance the student to the next course level. The manner in which universities handle AP is widely varied and beyond the control of DHS or the student.
COST	There is a fee for the AP exam taken in May.
AP COURSES AT DHS	<ul style="list-style-type: none"> • AP Biology • AP Calculus • AP English Lang/Lit • AP Psychology • AP Statistics • AP Spanish • AP Studio Art • AP US Government • AP U.S. History • AP World History • AP Ceramics • AP Computer Science • AP Computer Science Principals • AP Environmental Science

ENGLISH

English 9

Prerequisite: None

DHS Graduation Requirement: English

UC/CSU approved course: Yes (b)

Course Description

English 9 is a heterogeneous, literature-based program aligned with the common core state standards. The course emphasizes the development of the following skills: improvement of reading comprehension; response to, and analysis of, literature; development of formal writing skills, including essay structure; and development of speaking and listening strategies.

Texts: Homer's *Odyssey*, Shakespeare's *Romeo and Juliet*, Harper Lee's *To Kill a Mockingbird*, John Steinbeck's *Of Mice and Men*, and Sherman Alexie's *The Absolutely True Diary of a Part-Time Indian*.

Class Requirements

Students are expected to complete daily assignments in class, as well as regularly turn in homework. Passing English 9 is a graduation requirement.

English 10

Prerequisite: None

DHS Graduation Requirement: English

UC/CSU approved course: Yes (b)

Course Description

English 10 is a literature-based program aligned with the common core state standards. The course emphasizes the development of the following skills: improvement of reading comprehension; response to, and analysis of, literature; development of formal writing skills, including essay structure; and development of speaking and listening strategies.

Texts: Bryan Stevenson's *Just Mercy*, Erich Maria Remarque's *All Quiet on the Western Front*, William Golding's *Lord of the Flies*, Elie Wiesel's *Night*, and William Shakespeare's *Othello*.

Class Requirements

Students are expected to complete daily assignments in class, as well as regularly turn in homework. Passing English 10 is a graduation requirement.

English 10 Honors

Prerequisite: Completion of English 9

DHS Graduation Requirement: English

UC/CSU approved course: Yes (b)

Focus: AP Preparation/Literature, Non-fiction, and Rhetoric

Course Description

Honors English 10 is designed to prepare students for Advanced Placement English, Academy English, and/or post-secondary programs. Students can expect to be challenged in reading, writing, listening, and speaking in the following modes: informational/explanatory, argumentative/persuasive, and narrative/literary. Students are expected to engage fully in routine, student-led discussions, presentations, and assessments. Honors English 10 is open to any DHS sophomore who has passed English 9 (both semesters) and feels confident in his or her language skills to succeed in a rigorous course.

Major Texts: Prentice Hall textbook (excerpts) Pope Francis' Address to Congress (2015), Bryan Stevenson's *Just Mercy*, Erich Maria Remarque's *All Quiet on the Western Front*, Frederick Douglass' Autobiography, Elie Wiesel's *Night*, George Orwell's *1984*, George Orwell's *Animal Farm*, William Shakespeare's *Macbeth* and/or *Othello*, and supplemental excerpts, articles, podcasts, and videos.

English 11

Prerequisite: None

DHS Graduation Requirement: English

UC/CSU approved course: Yes (b)

Course Description

English 11 is a rigorous survey course of American literature from the 15th century to the present. Students read genre literature from Puritanism through Postmodernism and practice a variety of reading strategies and critical thinking exercises to build literacy.

Students also develop vocabulary skills by studying SAT words, writing skills through analytical and expository essays, and articulation skills through formal and informal presentations and discussion.

Instructional Materials Core text: *Timeless Voices, Timeless Themes* (American Literature anthology); Supplementary texts: F. Scott Fitzgerald's *The Great Gatsby*, J.D. Salinger's *The Catcher in the Rye*, Arthur Miller's *The Crucible*, and Cormac McCarthy's *The Road* or John Knowles' *A Separate Peace*.

Class Requirements

Students are expected to complete daily assignments in class as well as regularly turn in homework and nightly readings.

English 12

Prerequisite: None

DHS Graduation Requirement: English

UC/CSU approved course: Yes (b)

Course Description

The focus of English 12 is to help students form personal opinions based on relevant information obtained through research. Students will be taught how to write and speak academically and for a variety of audiences. Students will write personal and reflective essays suitable for use for college or job applications. Students will recognize and manipulate logical fallacies and styles of argumentation. The course aims to help students become more analytical and critical readers, writers, debaters, and viewers.

Instructional Materials Texts: Yann Martel's *Life of Pi*, Luis Urrea's *Devil's Highway*, numerous non-fiction texts, and supplemental excerpts, artworks, articles, podcasts, and videos

Class Requirements

Students are expected to complete daily assignments in class as well as regular homework, consisting of reading and writing.

AP English Language & Composition

Year: 11-12

Prerequisite: Application

DHS Graduation Requirement: English

UC/CSU approved course: Yes (b)

Course Description

AP Comp and Language English is a rigorous honors course for juniors and seniors which offers college preparatory work in composition and literary analysis. Students read and analyze literary works in all genres and write extensively in a variety of expository modes. At the end of the course, students take the AP Exam in Language and Composition; if they pass, they can receive up to a year's worth of college credit.

AP English Literature & Composition

Year: 11-12

Prerequisite: Application

DHS Graduation Requirement: English

UC/CSU approved course: Yes (b)

Course Description

AP Comp and Lit English is a rigorous Honors course for juniors and seniors which offers college preparatory work in composition and literary analysis. Students read and analyze literary works in all genres and write extensively in a variety of expository modes. At the end of the course, students take the AP Exam in Literature and Composition; if they pass, they can receive up to a year's worth of college credit.

Arts & Design Academy English 11

Year: 11-12 (two-year program)

Prerequisite: Interest in the arts and application

DHS Graduation Requirement: English

UC/CSU approved course: Yes (b)

Course Description

Focus: Literary Analysis and Composition

This survey course analyzes six major U.S. literary movements in context: Colonial American, The American Enlightenment, Romanticism, Realism/Naturalism, Modernism, and Postmodernism. Students build communication skills through reading and writing texts that are informational/explanatory, argumentative/persuasive, and narrative/literary. Students build content knowledge through an arts-rich approach to literature. In addition to major writing assignments, students engage in film studies, student-led presentations, reflective writing, discussion, creative projects, field trip assignments, community service project(s), and discussions with guest speakers.

Major Texts: Prentice Hall *American Voices, American Themes*, John Krakauer's *Into the Wild*, F. Scott Fitzgerald's *The Great Gatsby*, Cormac McCarthy's *The Road*, and supplemental excerpts, artworks, articles, podcasts, and videos.

Arts & Design Academy English 12

Year: 11-12 (two-year program)

Prerequisite: Interest in the arts and application

DHS Graduation Requirement: EnglishUC/CSU approved course: Yes (b)

Course Description

Focus: Rhetoric and Composition

This course focuses on the art of non-fiction reading and writing through a careful study of the rhetorical modes: analysis, description, narration, illustration, classification, compare/contrast, cause/effect, process analysis, definition, and argument. Students build content knowledge through an arts-rich approach to rhetorical studies. In addition to major writing assignments, students engage in film studies, student-led presentations, reflective writing, discussion, creative projects, field trip assignments, community service project(s), and discussions with guest speakers.

Major Texts: Di Yanni/Hoy Frames of Mind, Various Documentary Film Studies, Eric Weiner's *The Geography of Bliss*, Luis Alberto Urrea's *The Devil's Highway*, J.D. Salinger's *The Catcher in the Rye*, Tennessee Williams' *The Glass Menagerie*, Dalai Lama/Desmond Tutu *The Book of Joy*, and supplemental excerpts, artworks, articles, podcasts, and videos

English Language Development 1 & 2

Year: 9-12

Prerequisite: Teacher testing and placement

DHS Graduation Requirement: Elective

UC/CSU approved course: No

Course Description

These courses are for either beginning English Learners or long-term English Learners. The course will help the students to develop basic listening comprehension, speaking, reading and writing skills.

Class Requirements

Students are expected to complete daily assignments in class as well as regularly turn in homework and nightly reading.

ACADEMIES

Note: All academies require a two-year commitment to the programs which are designed to cover 11th and 12th grade English and history curriculum in alternate years. Space in academies is limited and entry cannot be guaranteed.

Arts & Design Academy (English 11/12, US History, Civics/Economics, Applied

Chemistry/Physics)

Year: 11-12 (two-year program)

Prerequisite: Interest in the arts and application

DHS Graduation Requirement: English, Civics/Economics, science, US History

UC/CSU approved course: Yes (a, b, d, g)

Course Description

The Arts & Design Academy is a two-year integrated program that includes English, History, Science, and related electives. The course is comprised of approximately 60 juniors and seniors whose core subjects are taught in a hands-on, challenging, and creative way. Guest speakers and field trips related to arts and design enhance the curriculum. Year A focuses on: Arts & Design English (12th grade standards), Arts & Design Civics/Economics (12th grade standards), and Arts & Design Physics. Year B focuses on: American English (11th grade standards), U.S. History (11th grade standards), and Arts & Design Applied Chemistry.

Science Curriculum

Academy Physics:

Year: 11-12 (two-year program)

Prerequisite: Interest in the arts and application

DHS Graduation Requirement: Physical Science

UC/CSU approved course: Yes (d)

Course Description

While focusing on basic Newtonian Mechanics, Statics, Wave Mechanics, Optics, and other important topics, the emphasis in this college preparatory Physics course is on matters that affect or interest those in the visual and performing arts, and those interested in

design. This project driven course includes a Motion Project, Themed Egg Drop, Earthquake Resistant Tower Project, Musical Instrument Project and more. While focusing on basic Newtonian Mechanics, Statics, Wave Mechanics, Optics, and other important topics, the emphasis in this college preparatory Physics course is on matters that affect or interest those in the visual and performing arts, and those interested in design. This project driven course includes a Motion Project, Themed Egg Drop, Earthquake Resistant Tower Project, Musical Instrument Project and more.

Academy Applied Chemistry:

Year: 11-12 (two-year program)

Prerequisite: Interest in the arts and application

DHS Graduation Requirement: Physical Science

UC/CSU approved course: Yes (d)

This college preparatory Chemistry course covers the Science of Materials and answers questions about why and how things are designed and what choices are made in the materials of design. The curriculum is separate from the regularly offered Chemistry curriculum and can be taken either in addition to or instead of the other Chemistry offerings. Many hands-on projects will make this course an exciting one for anyone interested in Arts and Design.

Course Description

This college preparatory Chemistry course covers the Science of Materials and answers questions about why and how things are designed and what choices are made in the materials of design. The curriculum is separate from the regularly offered Chemistry curriculum and can be taken either in addition to or instead of the other Chemistry offerings. Many hands-on projects will make this course an exciting one for anyone interested in Arts and Design.

Academy Requirements

Interest in arts and design and creative opportunities commitment to a two-year program with the same three core area teachers, whole-academy community service project, Forum attendance (once a month), progressive and positive attitude.

Public Service Academy (English 11/12, US History, Civics/Economics)

Year: 11-12 (two year program)

Prerequisite: Passing grade in English and World History and application

DHS Graduation Requirement: English, Civics/Economics, US History

UC/CSU approved course: Yes (a, b)

Course Description

Public Service Academy English, US History, and Civics/Economics are integrated courses meeting the A-G requirements and the California state standards. In the eleventh grade curriculum, students study major literary movements and read a survey of American literature from the Puritan influence through the present. English units are aligned both chronologically and thematically with US History in which students study the emergence of modern America through social, political, and economic change. In the twelfth grade curriculum, students compile a post-secondary writing portfolio and read a variety of multi-cultural literature with a focus on literary archetypes. Students also study a comprehensive overview of political and economic systems with an emphasis on the reading and writing of expository prose. The Public Service Academy curriculum is augmented by a public service career component including guest speakers, field trips, job-shadowing, and community service.

Academy Requirements

Students are expected to complete daily assignments as well as regularly turn in homework and finish nightly reading. Students must complete ten hours of public service per semester through class projects and individual volunteer work. Students will participate in job-shadowing, fund-raisers, field trips, and other class projects.

Instructional Materials

Texts: *The American Odyssey*, Prentice Hall's *The American Experience*, Fitzgerald's *The Great Gatsby*, Salinger's *The Catcher in the Rye*, Miller's *The Crucible*, Miller's *Death of a Salesman*, Tan's *The Joy Luck Club*, Hurston's *Their Eyes Were Watching Go*
Supplementary materials: Newspaper and magazine editorials, political cartoons, professional topical essays, films, and public service-related/thematically relevant novels.

HISTORY/SOCIAL SCIENCE

World History

Year: 10

Prerequisite: 10TH grade status

DHS Grad requirement: Social Science

UC/CSU approved course: Yes (a)

Course Description

In this yearlong course, students will study major turning points that shaped the modern world, from the late eighteenth century through the present, including the causes 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. They extrapolate from the American experience that democratic ideals are often achieved at a high price, remain vulnerable, and are not practiced everywhere in the world. Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations for a variety of perspectives.

Class Requirements

Students are expected to listen to lectures, complete daily assignments or projects and participate in class discussions.

AP World History

Year: 10

Prerequisite: A or B grade in English 9 is highly recommended.

DHS Grad requirement: Social Science

UC/CSU approved course: Yes (a)

Course Description

Advanced Placement World History is a challenging course designed to be the equivalent of a freshman college/sophomore survey course in World History. This course is to be taught based on National guidelines for the Advanced Placement World History. This course will address all areas of the state curriculum so that department essential standards are covered in a meaningful and competent manner. Students should possess strong reading and writing skills and be willing to devote substantial time to study and the completion of class assignments. Emphasis is placed on analytical reading, essay writing skills, use of primary resources, and discussion. Students successfully mastering the course material may earn college credit by passing the annually administered AP World History Exam; the individual college or university determines how many, or, if any credits will be granted for the AP exam score.

US History

Year: 11

Prerequisite: 11TH grade status

DHS Graduation Requirement: Social Science

UC/CSU approved course: Yes (a)

Course Description

United States History is a study of the major turning points in US history in the twentieth century. Connecting with students' understandings of the nation's foundations and concepts developed in World History, the course examines political, social, economic and cultural developments. A wide variety of primary and secondary sources are used.

Class Requirements

Students are expected to participate in a variety of activities, including listening to lectures, note-taking, reading, working in pairs and small groups, writing both informal and formal pieces and giving presentations. A significant portion of this work will be done outside of class as homework. Students will complete argumentative writing in the fall and explanatory writing as well as a research paper in the spring.

AP US History

Year: 11

Prerequisite: A or B grade in Honors 10th grade English is highly recommended. Also, an A grade in both World History semesters is recommended.

DHS Graduation Requirement: Social Science

UC/CSU approved course: Yes(a)

Course Description

The AP program in United States History is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

Civics

This course is also offered within the Arts and Design and Public Service Academies, on alternate years.

Year: 12

Prerequisite: 12TH grade status

DHS Grad Requirement: Social Science

UC/CSU approved course: Yes (a)

Course Description

In this course, students apply knowledge gained in previous years of study to pursue a deeper understanding of the institutions of American government. In addition, they will compare the different systems of government in the world today. The course will prepare students to vote, to reflection the responsibilities of citizenship and to participate in community activities.

Class Requirements

Students are expected to listen to lectures, complete assignments and projects, engage in debates and write essays. The district also requires 10 hours of political and community service, facilitated through this course. The service is a class requirement.

Economics

This course is also offered within the Arts and Design and Public Service Academies on alternate years.

Year: 12

Prerequisite: 12TH grade status

DHS Grad Requirement: Social Science

UC/CSU approved course: Yes (g)

Course Description

In this one-semester course, students will gain an understanding of the economic problems and institutions of the nation and world in which they live. They will learn to make reasoned decisions on economic issues. This is primarily a course in social science-intended to enrich students' understanding of the operations and institutions of economic systems with some lessons involving household budgeting and business management.

Class Requirements

Students are expected to listen to lectures, complete daily assignments or projects and participate in class discussions. In addition, the district also requires 10 hours of political and community service, facilitated through this course. The service is a class requirement.

AP US Government and Politics

Year: 12

Prerequisite: It is strongly recommended that students have a B in US History and English 11 or a Teacher Recommendation.

DHS Graduation Requirement: Social Science

(including civics/econ requirement)

UC/CSU approved course: Yes (a, g)

Course Description

This semester course is a honors weighted study of the forces that shape and influence US government. Political parties, pressure groups, propaganda and the role of the citizen will be considered in relation to the legislative process. Special attention will be given to how citizens can constructively affect contemporary society. Economics in spring semester is non-weighted.

Class Requirement

Extensive reading and writing will be required. Students are expected to be in class every day. Students will be encouraged to take AP US Government and Politics exam in May.

AP Psychology

Year: 11-12 (10 grade with approval)

Prerequisite: None

DHS Graduation Requirement: Elective

UC/CSU approved course: Yes (g)

Course Description

This course encompasses 125 years of research about the interaction of human biology, behavior, and thought processes. Major themes of the course include nature vs. nurture, how our brains and environments change one another, and how we develop and relate to each other over the course of our lives. Major topics include the brain, consciousness, learning, memory, motivation, emotion, personality, intelligence, abnormal psychology, and more.

Class Requirements

Each student is expected to read the entirety of the AP Psychology textbook, complete accompanying work for the reading that is modeled after studying in college, and participate fully in classwork to support preparation for the AP exam in May.

MATHEMATICS

Integrated Math I

Year: 9

Prerequisite: Placement by previous teacher

DHS Graduation Requirement: Math

UC/CSU approved course: Yes

Course Description

Integrated Math I is the first in a three year integrated college preparatory math sequence. This course is designed principally for freshmen and meets the “C” math requirement for college admissions. Students in Integrated I will engage in learning in algebra, geometry, and data analysis, such as functions, linear functions, transformations, modeling two-variable data, sequences, systems of equations, congruence and coordinate, geometry, exponential functions, and inequalities.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

Integrated Math 1A

Year: 9

Prerequisite: Students must have an IEP in conjunction with 8th grade math teacher recommendation.

DHS Graduation Requirement: Math

UC/CSU approved course: No

Course Description

Integrated Math 1A is the first year out of a 2-year Integrated Math 1 course. This class is designed for 9th grade students with IEP’s at the intensive intervention level. Upon completion of this course with a grade of D or higher, students will receive non-college preparatory math credit. This course is designed for struggling math students with IEP’s who have deficits in their understanding of math concepts and gaps in their foundational skills. Students will study the first half of the Integrated Math 1 curriculum, including but not limited to functions, linear functions, transformations, modeling two-variable data, and sequences.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

Integrated Math 1B

Year: 10

Prerequisite: Students must have an IEP in conjunction with a grade of D or higher in Integrated Math 1A.

DHS Graduation Requirement: Math

UC/CSU approved course: No

Course Description

Integrated Math 1B is the second year out of a 2-year Integrated Math 1 course. This class is designed for 9th grade students with IEP’s at the intensive intervention level. Upon completion of this course with a grade of D or higher, students will receive college preparatory math credit for the completion of the entire Integrated Math 1 course. This course is designed for struggling math students with IEP’s who have deficits in their understanding of math concepts and gaps in their foundational skills. Students will study the

second half of the Integrated Math 1 curriculum, including but not limited to systems of equations, congruence and coordinate geometry, exponential functions and inequalities.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

Integrated Math 2

Year: 9-12

Prerequisite: Students must have passed Integrated Math 1; Teacher Placement

DHS Graduation Requirement: Math

UC/CSU approved course: Yes

Course Description

Integrated Math 2 is a college preparatory math class designed for 10th graders. Topics addressed include, but are not limited to, polygons, angle relationships in parallel lines cut by transversals, perimeters and areas, congruence and similarity, proofs, probability, expected value, trigonometric ratios in right triangles, factoring quadratics and special cases, graphs of quadratic functions, the Zero Product Property, perfect squares, differences of squares, and completing the square, applying quadratic functions, complex solutions, special right triangles, finding extrema, inverse functions, quadrilaterals, conditional probability, circles, systems of equations including at least one quadratic function, piecewise functions, chords, arcs, sectors, tangents, prisms and cylinders, $r:r^2:r^3$, permutations and combinations.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

Integrated Math 3

Year: 10-12

Prerequisite: Students must have passed Integrated Math 2; Teacher Placement

DHS Graduation Requirement: Math

UC/CSU approved course: Yes

Course Description

Integrated Math 3 is a college preparatory math class designed for 11th graders. Topics addressed include, but are not limited to, function investigations, transforming functions and non-functions, systems of equations (including quadratics), use systems of equations to solve problems, inequalities and their applications, normal distributions, bias, and percentiles, solids of revolutions, inverse functions and logarithms, exponential functions, probability simulations, sampling, statistical tests, variability and quality control, analyzing decisions and strategies, the Law of Sines, the Law of Cosines, the Ambiguous case, polynomial functions, graphs, and transformations, polynomial division, periodic models, the unit circle, and radians.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

Integrated Math 3 for Calculus

Year: 10-12

Prerequisite: Students must have passed Integrated Math 2; Teacher Placement

DHS Graduation Requirement: Math

UC/CSU approved course: Yes

Course Description

Integrated Math 3 is a college preparatory math class designed for 11th graders. Topics addressed include, but are not limited to, function investigations, transforming functions and non-functions, systems of equations (including quadratics), use systems of equations to solve problems, inequalities and their applications, normal distributions, bias, and percentiles, solids of revolutions, inverse functions and logarithms, exponential functions, probability simulations, sampling, statistical tests, variability and quality control, analyzing decisions and strategies, the Law of Sines, the Law of Cosines, the Ambiguous case, polynomial functions, graphs, and transformations, polynomial division, periodic models, the unit circle, radians, series and sequences, binomial probability, Pascal's triangle and the Binomial Theorem, e , rational functions and expressions, three-dimensional models, and curve fitting.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

Pre-Calculus

Year: 12

Prerequisite: Students must have passed Integrated Math 3; Teacher Placement

DHS Graduation Requirement: Math

UC/CSU approved course: Yes (c)

Course Description

This year long course will cover all of the mathematical topics necessary to prepare a student to be successful in a rigorous college level calculus course. The course will include the study of the following Pre-Calculus topics: polynomial functions, limits of sequences and series, exponential and logarithmic functions, circular functions and their inverses, trigonometry and its applications, complex numbers, vectors and analytic geometry and an introduction to differential and integral calculus and their applications.

Statistics

Year: 11-12

DHS Graduation Requirement: Math

Prerequisite: Students must have passed Integrated Math 3; Teacher Placement

UC/CSU approved course: Yes (c)

Course Description

This course is designed for seniors. Since many college majors require a probability and statistics course, this class will introduce the standard topics in probability, statistics and data gathering and will give students a solid foundation in the concepts necessary to be successful in a college level course. Graphing calculators will be used daily. This course meets the requirements of a UC/CSU a-g math elective course.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

AP Statistics

Year: 11-12

DHS Graduation Requirement: Math

Prerequisite: Students must have passed Integrated Math 3; Teacher Placement

UC/CSU approved course: Yes (c)

Course Description

Since many college majors require a probability and statistics course, this class will introduce the standard topics in probability, statistics and data gathering and will give students a solid foundation in the concepts necessary to be successful in a college level course. This course will be rigorous, more in-depth, and faster paced than regular statistics to meet the level of difficulty for passing the AP Statistics College Board Exam. Graphing calculators will be used daily. This course meets the requirements of a UC/CSU a-g math elective course.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. They will be expected to complete several AP Free Response questions throughout the year and all exams will align with the AP guidelines given by the college board. Materials recommended for the class are: binder; pencil; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

AP Calculus

Year: 11-12

Prerequisite: Teacher Placement

DHS Graduation Requirement: Math

UC/CSU approved course: Yes (c)

Course Description

Calculus is designed as a rigorous, full-year, college-level course in the calculus of functions of one variable. This course covers limits and properties of functions, differential calculus of elementary functions with applications, and integral calculus with applications.

Class Requirements

Students are expected to complete a summer assignment prior to the first class period in the fall. Students are expected to complete daily assignments in class as well as homework assignments each night. A Problem of the Week is assigned and completed each week. There is a \$20 book donation for the AP preparation text used in the class. Students are encouraged to purchase a graphing calculator for use in class and on assignments. Students are encouraged to take the AP Calculus exam in May.

Consumer Math

Year: 12

Prerequisite: Teacher /Administration Placement

DHS Graduation Requirement: Math

UC/CSU approved course: No

Course Description

Students who have fulfilled their high school Algebra graduation requirement but need another year of credits to earn a diploma may enroll in Consumer Math. The eight mathematical strands of number, measurement, geometry, patterns and functions, statistics and probability, logic, algebra and discrete mathematics may be covered in relationship to the following real world topics: pricing goods, calculator use, payroll/wages, budgeting, catalog shopping, data gathering, probability of games, income taxes, buying a car, insurance, checking and savings accounts, installment buying, visual perspective, measurement, maps and trip planning. Consumer Math fulfills one year of the high school math requirement but does NOT meet UC/CSU a-g math requirement.

Class Requirement

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a scientific calculator.

Basic Algebra

Year: 11-12

Prerequisite: Teacher//Administration Placement

DHS Graduation Requirement: Math

UC/CSU approved course: No

Course Description

Knowledge and understanding of Basic Algebra concepts. Essential algebra standards have been identified using the California State Algebra Standards. Some of the topics include (but are not limited to): Solving one-variable equations, Two-variable equations (graphing and writing), Polynomials (add, subtract, multiply and divide), and quadratic equations.

Class Requirements

Students are expected to complete daily assignments in class as well as homework assignments each night. Materials recommended for the class are: binder; pencil; color pencils; ruler; paper; graph paper; and a graphing calculator. Limited supplies of graphing calculators are available for checkout.

SCIENCE

The Living Earth

Year: 9

Prerequisite: None

DHS Graduation Requirement: Life Science

UC/CSU approved course: Pending (d)

Course Description

Students will build their understanding of how Earth systems interact and influence living organisms and populations, and how these populations in turn influence earth systems. In this NGSS aligned course, students will construct and evaluate claims about the

interactions between the biosphere and the rest of Earth's systems using scientific evidence, and develop models to interpret the unseen. Students will begin with phenomena and use them to enhance their understanding of core ideas in biological science and Earth and space sciences.

Class Requirements

Students are expected to complete daily assignments in class as well as homework items. Students must successfully complete laboratory tasks including formulation of hypotheses, careful measurement and data recording, careful observation, integration of scientific concepts, and formulation of conclusions.

Sustainable Agriculture Biology

Year: 9

Prerequisite: None

DHS Graduation Requirement: Life Science

UC/CSU approved course: Yes (d)

Course Description

This one year course, organized into four major units, integrated biological science practices and knowledge into the practice of sustainable agriculture. Unit one addresses the question, What is sustainable agriculture? Unit two, How does sustainable agriculture fit into our environment? Unit three, What molecular biology principles guide sustainable agriculture? Unit four, How do we make decisions to maximize sustainable agricultural practices within a functioning ecosystem? Within each unit, specific life science principles integrate with agricultural principles, as students gain knowledge of how the two disciplines inform each other, culminating in the development of a sustainable farm model and portfolio of supporting student research.

Class Requirements

Students are expected to complete daily assignments in class as well as assigned homework. Participation in the FFA Organization and the Supervised Agricultural Experience Program (SAEP) are required.

Environmental Science

Year: 10-12

Prerequisite: Algebra

DHS Graduation Requirement: Life Science or Physical Science

UC/CSU approved course: Yes (g)

Course Description

Environmental Science examines the relationship between humans, living organisms, and the non-living environment. This course overlaps content from the various science disciplines to examine the complex balances between the natural cycles of earth and the impact of human progress. Students will span the spectrum of scientific practices and explore everything from fundamental physics concepts that explain our current understanding of the Universe, to basic chemistry involved in biogeochemical cycles, and the biology describing structure and dynamics of ecosystems. This course is designed around developing students' scientific practices, content, and establishing informed perspective on the state of our planet and its systems.

Class Requirements

Students are expected to complete daily assignments in class as well as homework items. Students must successfully complete laboratory tasks including formulation of hypotheses, careful measurement and data recording, careful observation, integration of scientific concepts, and formulation of conclusions.

AP Environmental Science

Year: 11-12

Prerequisite: Successful completion of Biology and Chemistry **OR** concurrently enrolled in Chemistry.

DHS Graduation Requirement: Life Science or Physical Science

UC/CSU approved course: Yes (d)

Course Description

AP Environmental Science is a college level environmental science course designed for students who wish to pursue advanced environmental science in high school. Course material is consistent with an introductory, college level environmental science and ecology classes. AP Environmental Science integrates biological and physical sciences to provide students with a framework for investigating and understanding the Earth's natural systems and the causes of our environmental problems. Major units covered in AP Environmental science are: The Earth's System and Cycles, Ecology and Biodiversity, Resources, Pollution, and Conservation. The class is intended for students who are considering a college major in environmental science or a related field. To earn college science units, students must take and pass the AP Environmental Science exam, given in the middle of May each year. All students in the class are expected to take the AP exam.

Class Requirements

There is extensive reading and work required throughout the school year in AP Environmental Science. Students are expected to be in class every day and should expect between a half hour and an hour of homework every night.

Physiology

Year: 11-12

Prerequisite: Biology and Teacher Placement

DHS Graduation Requirement: Life Science

UC/CSU: Yes (d)

Course Description

This is a human biology course that covers human anatomy and physiology. All the major systems are covered, with the emphasis being on learning about the structure and function of the human body to maintain homeostasis in the context of healthful living and making wise lifestyle choices. Also, a strong background is provided for those students who wish to pursue further study of human biology in college or vocational school. Literacy skills are emphasized across the science curriculum.

Class Requirements

As a U.C. approved lab science, at least 20% of the time will be spent doing laboratory work. Homework will be assigned 2-3 times a week. Recommended materials include a binder, colored pencils (24 or more), glue stick, scissors, pencils, colored pens and a ruler.

Chemistry

Year: 10-12

Prerequisite: Teacher Placement

DHS Graduation Requirement: Physical Science

UC/CSU: Yes (d)

Course Description

Chemistry is a UC approved laboratory science designed to introduce the student to the subject of chemistry. The course introduces the concepts of measurement & unit analysis, atomic structure, the periodic table, nuclear reactions, naming compounds, chemical equations, stoichiometry, thermodynamics, molecular structure & bonding, solutions, electron configurations, organic chemistry, equilibria and acid/base reactions. The overall goal is to familiarize the student with the broad concepts governing chemical reactions and chemical calculations. Approximately 20% of the class time is spent on laboratory work. In addition to Chemistry content, this class focuses on developing study skills. Literacy skills are emphasized across the science curriculum.

Class Requirements

Students are expected to use safety in the lab, complete daily assignments in class as well as regularly assigned homework. Expect nightly homework, 2-4 unit tests per semester, 6-10 quizzes per semester, labs throughout the year and a final that is approximately 20% of the overall course grade. Materials recommended for class are a binder with organizational divider tabs, paper, pens, pencils, ruler, a scientific calculator and dry erase markers.

Agricultural Chemistry

Year: 10-12

Prerequisite: Biology

DHS Graduation Requirement: Physical Science

UC/CSU: Yes (d)

Course Description

This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students develop an Agriscience research program to be conducted throughout the first semester of the course. To complete that whole project each student will investigate and test an Agriscience research question by formulating a scientific question related to the course content, formulating a hypothesis based on related research, conducting an experiment to test the hypothesis, collecting quantitative data, and forming a conclusion based on analysis of the data. The result of this research program is an in depth research and experimentation paper that is technically written, based on scientific protocol, and cited using APA formatting. Additionally, students develop and present a capstone soil management plan for agricultural producers, demonstrating their knowledge of the soil chemistry content learned throughout the course. Throughout the course, students are graded on participation in intracurricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program.

Honors Chemistry

Year: 10-12

Prerequisite: Biology

DHS Graduation Requirement: Physical Science

UC/CSU: Yes (d)

Course Description

Honors Chemistry is laboratory science designed to introduce the student to the subject of chemistry. The course introduces the concepts of measurement & unit analysis, atomic structure, the periodic table, nuclear reactions, naming compounds, chemical equations, stoichiometry, thermodynamics, molecular structure & bonding, solutions, electron configurations, organic chemistry, equilibria and acid/base reactions. The overall goal is to familiarize the student with the broad concepts governing chemical reactions and chemical calculations. Approximately 20% of the class time is spent on laboratory work. The Honors Chemistry course is presented at a faster pace than the regular chemistry class. This course covers more material and in greater depth so the student is expected to have good study skills. Literacy skills are emphasized across the science curriculum.

Class Requirements

Students are expected to use safety in the lab, complete daily assignments in class as well as regularly assigned homework. Expect nightly homework, 2-4 unit tests per semester, 6-10 quizzes per semester, labs throughout the year and a final that is approximately 20% of the overall course grade. Materials recommended for class are a binder with organizational divider tabs, paper, pens, pencils, ruler, a scientific calculator and dry erase markers.

Animal Science

Year: 10-12

Prerequisite: Biology or Ag Biology and a Chemistry Course, minimally concurrent

DHS Graduation Requirement: Life Science

UC/CSU approved course: Yes (d)

Course Description

This course will provide the student with principles in Animal Science focusing on the area of mammalian production, anatomy, physiology, reproduction, nutrition, respiration and genetics. This course is intended to successfully prepare those students who plan on majoring in Agricultural Sciences at a college or university. Frequent opportunities are given to develop and apply rational and creative thinking processes of observing, comparing, organizing, relating, inferring, applying and communicating. Also, there is an emphasis on developing values aspirations and attitudes that promote the student's understanding personal involvement with the scientific discoveries of the future. There are ample opportunities for hands on class participation with animals in this class to enable students to demonstrate their knowledge of restraint, handling, behavior, etc. Additional emphasis will be placed on industry practices to include record keeping, public relations and communications. Students will have a basic knowledge of animal anatomy and physiology, nutrition, breeding, and genetics. Students will be able to properly handle livestock of varying species. Students will gain an understanding of issues facing animal agriculture. Students will be prepared to enter a career or course works related to animals and/or agriculture. Students will gain hands on experience working directly with animals.

Physics

Year: 11-12

Prerequisite: Successful completion of Integrated 2 Math

DHS Grad Requirement: Physical Science

UC/CSU: 'd' lab science

Course Description

Physics is a UC approved laboratory science that provides exposure to the fundamental principles and processes of the physical world. Topics include basic concepts of motion, forces (electromagnetic, gravitational, and introduction to nuclear forces), energy and momentum, wave phenomena, and some fluid dynamics. Students will be introduced to Science and Engineering practices through demonstration projects including an Egg drop project, an Earthquake Resistant Tower project, and a Walk on Water project.

Honors Physics

Year: 11-12

Prerequisite: Successful completion of Integrated 2 Math with concurrent enrollment in Integrated Math 3 or higher.

DHS Graduation Requirement: Physical Science

UC/CSU: Yes (d)

Course Description

Honors Physics is a rigorous, UC approved laboratory science that provides exposure to the fundamental principles and processes of the physical world, with extensive use of algebra and trigonometry, and some introductory computer modeling. Topics include basic concepts of motion (translational, rotational, and planetary), forces (electromagnetic, gravitational, and introduction to nuclear forces),

energy and momentum, some fluid dynamics, and static equilibrium. Students will be introduced to Science and Engineering practices through demonstration projects including an Egg drop project, a Truss Bridge project, and a Walk on Water project.

AP Biology

Year: 11-12

Prerequisite: Successful completion of Biology and Chemistry.

DHS Graduation Requirement: Life Science

UC/CSU: Yes (d)

Course Description

Advanced Placement Biology is a college level biology course designed for students who wish to pursue advanced biology in high school. Course material is consistent with an introductory, college level Biology class. There are four big ideas seen throughout this course: Evolution, Cellular Processes, Genetics, and Interactions. The aim of AP Biology is to provide students with conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of Biology. The class is intended for students who are contemplating a college major in a science related field or are planning to major in a field other than science and are hoping to fulfill college science requirements by taking and passing the AP Biology exam, given in the middle of May each year. All students are encouraged to take the AP exam.

Class Requirements

There is extensive reading required throughout the summer months, as well as the school year. Students may be expected to meet during non-class times at the teacher's discretion, and the class also meets at lunch every block period Thursday. Students are expected to be in class every day, and should expect at least an hour of homework every night as well as over holiday breaks.

FOREIGN LANGUAGE

Spanish 1

Year: 9-12

Prerequisite: None

DHS Graduation Requirement: Foreign Language

UC/CSU approved course: Yes (e)

Course Description

Spanish 1 is a one-year course that teaches students to understand, speak, read, and write Spanish at a beginning level. Students also learn about the culture and history of Spanish speaking countries. This course fulfills the fine arts/foreign language graduation requirement for Dixon High School, as well as one year of the foreign language requirements for admission to colleges and universities.

Class Requirements

Course work will consist of listening, speaking, reading, and writing activities, participating in small groups and in the class as a whole. Regular attendance, class participation and good homework habits are important for success in this course.

Spanish 2

Year: 9-12

Prerequisite: Spanish 1

DHS Graduation Requirement: Foreign Language

UC/CSU approved course: Yes (e)

Course Description

Spanish 2 is a one-year course for those students who have successfully completed Spanish 1 with a grade of C or better. The course emphasizes the student's ability to communicate: to understand, speak, read, and write the language at an early intermediate to intermediate level. Students practice Spanish by using practical situations and the accompanying appropriate vocabulary. They continue to explore the history and culture of Spanish speaking countries. The class fulfills one year of Dixon High School's fine arts/foreign language graduation requirements as well as a second year of the foreign language requirements for admission to colleges and universities.

Class Requirements

Course work will consist of listening, speaking, reading, and writing activities, participating in small groups and in the class as a whole, and using computers in the school lab. Regular attendance, class participation and good homework habits are important for success in this course.

Spanish 3

Year: 9-12

Prerequisite: Spanish 2

DHS Graduation Requirement: Foreign Language

UC/CSU approved course: Yes (e)

Course description

This course emphasizes communicating in three ways or “modes”: understanding Spanish when you read or hear it (interpretive communication), being able to present information in Spanish either by speaking or writing it (presentational communication), and communicating back and forth with someone else in Spanish (interpersonal communication). The goal for students is to be able to understand and communicate about simple, everyday topics in each of the three modes of communication. Communication is guided by the learned vocabulary and support structures taught throughout the course. Language is presented within the context of the Spanish-speaking world with emphasis on geography, politics and culture of Spanish-speaking countries. Students will also generate various writing products while implementing an effective use of grammatical rules. Students will visit the lab regularly to carry out numerous research assignments correlated to Latin American countries and significant personalities.

Class requirements

Students are expected to participate daily in class discussions and to complete all assignments in and out of class. Materials required include a College-ruled spiral notebook with a minimum of 150 pages. The class will be conducted in the target language.

Spanish 4

Year: 9-12

Prerequisite: Spanish 3

DHS Graduation Requirement: Foreign Language

UC/CSU approved course: Yes (e)

Course description

This course focuses on the development of communicative competence in reading, writing, speaking and listening and viewing, as well as in understanding Hispanic/Latino cultures and issues of identity of heritage speakers of Spanish in the United States. Students will also develop an awareness and understanding of Hispanic/Latino cultures, including language variation, customs, geography, politics, history, and current events. During this course, students will gain confidence using Spanish to express their own thoughts on social and academic themes, interact with other speakers of the language, understand oral and written messages, make oral and written presentations, reflect on language variation, and critically view and evaluate media resources and web sites. Students will be able to understand material presented on a variety of topics related to contemporary events and issues in Hispanic/Latino communities.

Class requirements

Students are expected to participate daily in class discussions and to complete all assignments in and out of class. Materials required include a College-ruled spiral notebook with a minimum of 150 pages. The class will be conducted in the target language.

Native Spanish 1

Year: 9-10

Prerequisite: Test in 8th grade during the spring or interview with a teacher from the Foreign Language Department.

DHS Graduation Requirement: No

UC/CSU approved course: Yes (e)

Course Description

Native Spanish 1 is designed as an introductory course for beginners who have some knowledge of Spanish, listen to the language frequently in a home setting, speak some but have limited experience with reading and writing. The main text for this course is *Descubre I*. While expanding the cultural and historical knowledge of Spanish speakers in the United States and Latin America, students increase their listening and speaking skills. The course also focuses on teaching reading strategies to access content information in Spanish as well as mastering writing. This course features interesting on-line activities on a Supersite which enables students to learn on their own. Students are expected to participate actively by conversing, listening for understanding, completing all written and oral assignments (dialogues, paragraphs and short essays), prepare for assessments and use creativity to present projects to the class. Students expand their social dimension by working in pairs and small groups to accomplish their objectives.

Class Requirements

Course work will consist of listening, speaking, reading, and writing activities, participating in small groups and in the class as a whole, and using computers in the school lab. Regular attendance, class participation and good homework habits are important for success in this course. Students should plan to speak mainly Spanish in the class.

Native Spanish 2

Year: 9-12

Prerequisite: Test in 8th grade during the spring or interview with a teacher from the Foreign Language Department.

DHS Graduation Requirement: Foreign Language

UC/CSU approved course: Yes (e)

Course Description

Native Spanish 2 is designed as a sequential course for second year heritage speakers of Spanish. It is designed for those students who have had formal training in Native Spanish 1 for a year, have tested at that level or had an interview with an instructor from the Foreign Language Department. The instructor will provide a solid review of the key concepts and lexical items presented in Native Spanish 1, as well as create continued practice and activities throughout this year-long course. Students are expected to develop and expand the four basic skills of learning Spanish: listening, speaking, reading, and writing. The main text for this course is Descubre II. This is a class which requires daily speaking and classroom interaction; it features interesting on-line activities on a supersite which will enable students to learn on their own. Students are expected to participate actively by conversing, listening for understanding, completing all written and oral assignments (dialogues, paragraphs and short essays), prepare for assessments and use creativity to present projects to the class. Students expand their social dimension by working in pairs and small groups to accomplish their objectives.

Class Requirements

Students are expected to participate daily in class discussions and to complete all assignments in and out of class. Materials recommended are a spiral notebook with a minimum of 150 pages.

Native Spanish 3

Year: 9-12 Prerequisite: The course is for students who have some prior knowledge of Spanish. They are placed in this course through student interviews or completion of Native 1 and Native 2 with a C or better.

DHS Graduation Requirement: Foreign Language

UC/CSU approved course: Yes (e)

Course Description

Native Spanish 3 is a pre-AP Spanish course and as such is a rigorous class in which students will be exposed to a variety of vocabulary groups and be able to understand, speak, read and write them in the context of new linguistic and grammatical patterns. The class requires a great deal of speaking practice and frequent written work utilizing rich language while at the same time continually integrating idioms and newly acquired lexical items. The main text for this course is Descubre III. Students will use the on-line supersite of the course to complete assignments. Students should have studied a minimum of two full years of Native Spanish or proven ability to be successful in this course through an evaluation/interview with the instructor. Students are expected to participate actively by conversing, listening for understanding, completing all written and oral assignments (dialogues, paragraphs and 200 word essays), prepare for assessments and creatively present projects during class time. Students expand their social dimension by working in pairs and small groups to accomplish their objectives.

Class Requirements

Students are expected to participate daily in class discussions and to complete all assignments in and out of class. Materials recommended are a spiral notebook with a minimum of 150 pages.

Native Spanish 4

Year: 10-12

Prerequisite: This course is for students in grades 10-12 who are competent Spanish readers and writers. Students must pass two semesters of Native Spanish 3 before taking Native Spanish 4 or be assessed through an interview/written test by a teacher in the Foreign Language Department.

DHS Graduation Requirement: Foreign Language

UC/CSU Approval: Yes (e)

Course Description

The aim of this course is to achieve a fluent ability to communicate in Spanish, to read with minimum use of a dictionary, and to write well-organized and logically developed paragraphs and essays with a good command of grammar and vocabulary. Students gain insight into Hispanic cultures and civilizations while improving their listening, speaking, reading, and writing skills. Music, audio CDs, and videos are used to expand listening comprehension. Interpersonal speaking skills are enhanced through discussions, comprehension questions, and dramatizations. Students improve cultural awareness through historical readings, short thematic articles, and various genres: narratives, short stories, poetry, legends, and essays. Post reading activities check for basic comprehension and encourage students to analyze and discuss the readings' plot, characters, themes, and style. Writing skills are developed which enable students to plan, organize, write drafts, give and receive editing feedback before a final draft. Students expand their social dimension by working in pairs and small groups to accomplish their objectives.

Class Requirements

Students must keep a portfolio of all their assignments, organize it chronologically, and submit it at the end of each unit. Students are expected to participate daily in class discussions and complete all assignments in and out of class.

AP Spanish Language

Year: 11-12

Prerequisites: Spanish 4 with a grade of “B” or better; Native Spanish 4 with a grade of “B” or better, or a strong recommendation by teacher from the Foreign Language Department.

DHS Graduation Requirement: Foreign Language

UC/CSU Approval: Yes (e)

Course Description

In this exciting course, students have the opportunity to meet a rewarding challenge: pass the College Board AP Spanish Language and Culture Exam. They develop a strong command of the Spanish language, with ability to integrate language skills and synthesize written and aural materials. Students use the formal writing process, extensive interpersonal and presentational speaking and writing practice. Aural comprehension skills improve with quality, authentic, and level-appropriate audio and video recordings. They are exposed to the world of literature and current events of Spanish-speaking countries through authentic written texts, including newspaper and magazine articles, literary tests, and other non-technical writings that develop students’ reading and comprehension skills. Class is conducted completely in Spanish and includes frequent writing and integration of skills with a complete review of grammatical structures. Advanced organizational and analytical strategies are taught. An array of resources is used to facilitate the learning process. A diagnostic test or other means of determining students’ strengths and problem areas is completed within the first two weeks of the school year in order to customize instruction. Upon completion of the course, students will be challenged to take the AP Spanish Language Exam. Should they pass with a score of 3, 4, or 5, they will have mastered the skills and knowledge required to receive credit for an advanced level college or university Spanish language course.

Class Requirements

Students must participate actively entirely in Spanish, complete all assigned oral presentations, interpersonal communication, formal persuasive essays and formal, oral cultural comparison projects.

French 3

Year: 10-12

Prerequisite: French 2

DHS Graduation Requirement: Foreign Language

UC/CSU approved course: Yes (e)

Course Description

French 3 is a one-year course for students who have completed French 2 with a grade of C or better. The class is a continuation of French 2 and is taught almost entirely in French, using the textbook, *T’es branché*. Students will also read several culture-based novels, to enhance their language skills and learn more about French and Francophone culture. This course fulfills the fine arts/foreign language requirement for graduation from Dixon High School, as well as a third year of the foreign language requirements that is recommended for admission to colleges and universities.

Class Requirements

Course work will consist of listening, speaking, reading, and writing activities, participating in small groups and in the class as a whole. Regular attendance, class participation and good homework habits are important for success in this course. Students should plan to speak mostly French in the class.

French 4

Year: 10-12

Prerequisite: French 3

DHS Graduation Requirement: Foreign Language

UC/CSU approved course: Yes (e)

Course Description

French 4 is a one year course for students who have successfully completed French 3 with a grade of C or better. Students continue to learn more vocabulary and grammatical structures and the emphasis is on reading various types of literature and accuracy in speaking and writing. The course is taught entirely in French. Students read short stories, plays, magazine articles and several culture-based novels, to enhance their language skills and learn more about French and Francophone culture and history. This course fulfills the fine arts/foreign language requirement for graduation from Dixon High School, as well as a fourth year of the foreign language requirements that is recommended for admission to colleges and universities.

Class Requirements

Course work will consist of listening, speaking, reading, and writing activities, participating in small groups and in the class as a

whole. Regular attendance, class participation and good homework habits are important for success in this course. Students should plan to speak only French in the class.

VISUAL and PERFORMING ARTS

Drama

Year: 9-12

Prerequisite: None

DHS Graduation Requirement: Fine Arts

UC/CSU: Yes (f)

Course Description

The course is designed to introduce the art of the actor through performance. Through various processes each student will discover what is encompassed in the history of drama and the dramatic profession. Through reading of the textbook and scripts; writing essays and scripts; design, acting, and lecture students will have a beginning understanding of the history of drama and the dramatic profession.

Class Requirements

Students will be required to participate in class activities including one public, evening performance each semester.

Symphonic Band

Year: 9-12

Prerequisite: Two years previous playing experience

DHS Graduation Requirement: Fine Arts

UC/CSU: Yes (f)

Course Description

The Symphonic Band is Dixon High School's largest instrumental performing group. Members perform as the Symphonic Band and as the Ram Marching Band, participating in local concerts and out-of-town competitions and festivals. Members also provide entertainment at home football games. The main focus of the class throughout the year is the study and subsequent performance of band literature.

Class Requirements

Students must participate in rehearsals and performances outside the school day. Students are also expected to practice individually in preparation for tests and performances.

Choir

Year: 9-12

Prerequisite: None

DHS Graduation Requirement: Fine Arts

UC/CSU: Yes (f)

Course Description

A full year course designed to increase the vocal skills and performance levels of each student. Students will develop a working knowledge of beginning singing techniques, music theory and history, and ability to read music. Students will sing a wide range of literature from various periods such as European Renaissance and Classical as well as a variety of American genres i.e. Spirituals, Jazz, Folk and Pop.

Class Requirements

Daily participation in rehearsals, evening concerts and other special events. Attendance at these performances and dress rehearsals are a course requirement.

Jazz Ensemble

Year: 9-12

Prerequisite: At least four years of playing experience on the saxophone, trumpet, trombone, guitar, bass or piano and consent of instructor.

DHS Graduation Requirement: Fine Arts

UC/CSU: Yes (f)

Course Description

The Jazz Ensemble performs both traditional and contemporary Big Band music. It performs at the high school, within the community, and at out-of-town jazz festivals. All students study jazz theory and improvisation.

Class Requirements

Students must participate in performances outside the school day. Students are also expected to practice individually in preparation for tests and performances.

Wind Ensemble

Year: 9-12

Prerequisite: At least four years of playing experience and consent of instructor.

DHS Graduation Requirement: Fine Arts

UC/CSU: Yes (f)

Course Description

The Wind Ensemble is Dixon High School's top instrumental performing group. Members are selected by audition from the Symphonic Band. These students perform advanced band literature as the Wind Ensemble and combine with the symphonic band class to make up the Dixon High Symphonic Band and the Ram Marching Band. The group performs in local concerts and out-of-town competitions and festivals. The main focus of the class throughout the year is the study and subsequent performance of advanced wind ensemble literature.

Class Requirements

Students must participate in rehearsals and performances outside the school day. Students are also expected to practice individually in preparation for tests and performances.

Drawing 1 & 2

Year: 9-12

Prerequisite: None

DHS Graduation Requirement: Fine Art

UC/CSU: Yes (f) Visual Performing Art

Course Description

Drawing 1-2 introduces students to the basics of the realistic drawing, composition and creative thinking. This class is designed for students with no previous experience, as well as those who have never drawn before. Vocabulary and writing projects help students analyze their work and the work of other. Students learn to draw from observation of real objects and how to add values to show form. We will view DVDs, watch demonstrations and read about great artists. The elements and principles of design are emphasized in each project. Students complete a portfolio of 20 drawings and paintings. A \$25 supply donation covers art materials for the year.

Class Projects

Folder design, Contour drawing of feathers, cartoons, watercolor exercises, contour drawing of hands, perspective exercises, still-life in charcoal and pencil, reading and notes, outdoor drawings of trees, a horse, a car, digital photo project, flower in watercolor, tools-mixed media design Project, vocabulary notes, quizzes, and final exam.

Instructional Materials

Creating and understanding Drawings by Gene Mittler and James Howze, Slides, DVD's, Demonstrations, Art Prints, and Scholastic Magazines.

Drawing 3 & 4

Year: 10-12

Prerequisite: Drawing 1/2

DHS Graduation Requirement: Fine Art

UC/CSU: Yes (f) Visual Performing Art

Course Description

This is an advanced art class that has Drawing 1-2 as a prerequisite. Drawing 3-4 is designed for students who are interested in working on their projects outside class in addition to inside class. You will learn a great deal about the mediums of nu-pastels, tempera paint, oil pastel, and acrylic paint. You'll improve your skills in design and composition as well as become more comfortable and effective at thinking creatively. Emphasis is placed on the elements and principles of design.

Class Projects

Realistic portrait in Nu-Pastel, Expressive/distorted portrait in Nu-Pastel, Figure drawing, Four Gallery Reports, High contrast painting in black acrylic paint, Landscape, Abstraction, Still-Life in Tempera Paint and Pastel, Surrealism Project, and Critiques.

Instructional Materials

Scholastic Magazine, Art in Focus by Gene Mittler, Slides, DVD's, and Art Prints

Art Studio

Year: 11-12

Prerequisite: Drawing 3/4

DHS Graduation Requirement: Fine Art

UC/CSU: Yes (f) VPA

Course Description

Students must have completed Drawing 3-4 and have a strong interest in art. Students complete advanced drawing and painting projects that are assigned. They work during a Drawing 3-4 class but are independent from the class.

AP Drawing

Year 11-12

Prerequisites: Studio Art

DHS Graduation Requirement: Fine Art

UC/CSU: Yes (f) VPA

Course Description

AP Drawing is a class designed for those students interested in creating a portfolio of work of professional caliber. The class requires students to employ the skills learned in all previous Drawing classes.

Ceramics 1

Year: 9-12

Prerequisite: None

DHS Graduation Requirement: Fine Art

UC/CSU: Yes (f)

Course Description

Ceramics involves making sculptures and some pottery pieces that are hand built from clay. Students learn that technical skills involved in creating their own creative sculpture as well as some independent projects creating pottery. The creative process is explored as well as historic and cultural aspects.

Ceramics 2

Year: 10-12

Prerequisite: Ceramics I and Instructor approval

DHS Graduation Requirement: Fine Art

UC/CSU: Yes (f)

Course Description

Students are expected to establish their own creative personal direction in the artwork they produce through several assignments. Ceramics 2 students complete advanced projects using the skills learned in Ceramics 1 as well as explore their own personal direction. Students will develop a personal style and produce more challenging projects. They will continue to be able to work independently. Students will participate in kiln loading and unloading.

Ceramics 3

Year: 10-12

Prerequisite: Ceramics 1 and 2

DHS Graduation Requirement: Fine Art

UC/CSU: Yes (f)

Course Description

Students must have a strong interest in Art. Students complete sculptures of advanced personal direction. Students will work independently, in a class with Ceramics 2 students.

AP Ceramics

Year: 11-12

Prerequisites: Ceramics 1 and 2 and a portfolio submission

DHS Graduation Requirement: Fine Art

UC/CSU: Yes (f) VPA

Course Description

AP Ceramics is a college level course. AP Ceramic students are required to submit a portfolio to the College Board for credit approval. AP Ceramic students are expected to have attained, in previous ceramic classes, an excellent understanding of: the elements of art, the principles of design, the historical context of art, and how these relate to their personal creative direction and style as well as to professional artwork. In order to be considered for AP Ceramics, students must demonstrate serious commitment to and advanced maturation of their personal creative direction and style. Students are expected to have complete focus on their portfolio, creating at least 15 advanced works of art throughout the year exemplifying their own creative personal direction and style. Students will also need to have sculptures from ceramics 1 and 2 to use for the college board portfolio. Students will load and unload the kiln for their art in between ceramic 1 and 2 firings.

Class Requirements

Students are required to complete a summer project which is turned in the 1st day of class. Students will be keeping an ongoing sketchbook of project ideas. There are written assignments that are to be done outside of class.

FAMILY CONSUMER SCIENCE

Child Development and Parenting

Year: 10-12

Prerequisite: None

DHS Graduation Requirement: Elective

UC/CSU approved course: Yes (g)

Course Description

Child Development and Parenting is a year-long elective class for grades nine through twelve. This course is designed to impart principles and skills that are crucial to caring for children, both in personal and professional settings. Students will be presented with theoretical and practical aspects of child development, child care, and parenting. Specifically, students will consider responsibilities of parenting, qualities of good managerial and interpersonal skills, and guidelines for health and safety. The course provides a comprehensive overview of development stages from birth through adolescence. With each stage, students explore physical, emotional, social, and intellectual maturation. The course includes information on brain development and ways to nurture children's moral awareness. Further, students will be offered an overview of career opportunities and discussion of professional issues for those interested in childcare as a career choice. A strong academic background is provided for students who wish to continue this study in college. In addition to traditional homework, students will learn course content by participating in library research and fieldwork, including interviews, and observations. Incorporated are discussions with teachers, peers, and other role models. *Child Development and Parenting* requires focused weekly homework. Literacy skills and critical thinking exercises are emphasized in the curriculum.

Family Consumer Science Culinary 1

Year: 9-12

Prerequisite: None

DHS Graduation Requirement: Vocational Elective

UC/CSU: Yes (g)

Course Description

Culinary 1 is like a fine tapestry of interweaving culinary skills, applied mathematical skills, academic reading skills, the science behind the cooking process, and the pleasure and purpose of eating (often referred to as the nutritional value of food). This course involves individual work completion along with the importance of working effectively as a team. In this course the students will learn the basic skills needed to prepare a variety of food items that they can use throughout their lives while they gain skills and techniques that will enhance their future careers and professional life.

Course requirements

Culinary 1 students are encouraged to be actively involved in Family, Career and Community Leaders of America (FCCLA), a student leadership organization that gives students opportunity to build leadership skills and show off their knowledge and skills at competitive recognition events.

Family Consumer Science Culinary 2

Year: 10-12

Prerequisite: Culinary 1 or instructor approval, English 9 required, and Integrated Math 1 recommended

DHS Graduation Requirement: Vocational Elective

UC/CSU: Yes (g)

Course Description

This course builds on the foundations established in the culinary I course and adds a business component. We begin the year with all students receiving their California food handler certification. In culinary II students learn how to build a business through our Ram Town Grab and Go business established in 2014 where students make products and meals to sell to teachers. The school year begins with learning how to preserve foods and then market and sell the products they have made as; jam, canned tomatoes and peaches, beef jerky, soup mixes, and fruit leather. The business component continues throughout the year as they learn variety of culinary skills and transfer those skills into making meals for teachers such as; Shepherd's pie, Chicken pot pie, Lasagna, and Chili. The year ends with the students building a business plan for a Food Truck final where students present and sell their business concept to the senior Avid class to gain a financial advantage to the day they actually make and sell their food products to those same students. The culinary II class is also encouraged to be actively involved in Family, Career and Community Leaders of America (FCCLA), much of the funding raised through our Ram Town Grab and Go helps fund student involvement in this leadership organization.

Course Requirements

With the successful completion of Culinary 1 and with the instructor's approval the student must be reliable, self-motivated and responsible. Culinary 2 students are strongly encouraged to be a part of the Family, Career and Community Leaders of America (FCCLA) student organization, since much of what we do in class is tied to participation in FCCLA events.

CAREER TECHNICAL EDUCATION/AGRICULTURE

Agricultural Practices

Year: 10-12

Prerequisite: Students must be 16 years old

DHS Graduation Requirement: Vocational Elective

UC/CSU approved course: No

Course Description

This course is designed to give students a practical background in production agriculture and a basic foundation in entry level skills needed for employment in the field of agriculture and related occupations. Students will learn to maintain, repair, and operate tractors and equipment. Students will also be involved in the seasonal production practices of the pending school farm. Students will have instruction in basic hand and power tools used in farmstead maintenance, repair, and construction. Agricultural economics will be discussed and record keeping will be applied. Students will be allowed to raise individually owned market lambs, hogs, and/or steers. Students will also be encouraged to participate in the community classroom program which places a student under the training and supervision of an agricultural business or in the internship program which allows students to gain experience at UC Davis or other institutions.

Class Requirements

Students are expected to complete daily work assignments at the school farm. Students are required to provide their own work clothes and safety items, transportation is provided. Participation in the FFA Organization and Supervised Agricultural Experience Program (SAEP) are required.

Ag Leadership

Year: 11-12

Prerequisite: Any DHS Ag Course in grades 9-10. Students must be concurrently enrolled in another DHS Ag course.

DHS Graduation Requirement: Vocational Education

UC/CSU approved course: No

Course Description

Agricultural Skills and Leadership is designed to specifically train students as team leaders for the work place. This is an activity-based course designed to help students develop responsibility, initiative, creativity, school pride and leadership.

This course will help acquaint the student with the theories and principles of personal leadership development and growth, and allow the student to integrate such skills to his/her own life and decision-making processes. The student will acquire practical skills and

knowledge by exploring elements and principles of cooperative and group dynamics, advanced planning, parliamentary procedure, public speaking, sales and marketing, as well goal-setting.

Agricultural Mechanics I

(Introduction to Shop)

Year: 9-12

Prerequisite: None

DHS Graduation Requirement: Vocational Elective

UC/CSU approved course: No

Course Description

Ag Mechanics I is a yearlong introductory course featuring general career technical skills and procedures commonly found in industry. This theory and applied or “hands on” course will engage students in shop safety, hand and power tool identification and usage, basic plumbing, electrical circuits, SMAW (stick) welding, oxygen-acetylene welding and cutting, basic woodworking and sheet metal work. Students will construct small to medium sized projects.

Each student is required to participate in local FFA leadership activities and to maintain a productive Supervised Agricultural Experience (SAE) project in their Record Book. There is a nominal shop fee of \$20 for the year that helps to cover the cost of consumable materials necessary for the course. All student projects using shop fee funding are theirs to take home.

Class Requirements

All students will enter at least one completed shop project into the Dixon May Fair as part of their second semester course requirements. While safety equipment is provided, it is recommended that students bring their own safety glasses if they do not like what is provided. A combination padlock is helpful to secure a locker in order to store projects and personal shop clothing.

Agricultural Mechanics II

Year: 10-12

Prerequisite: Agricultural Mechanics I

DHS Graduation Requirement: Vocational Elective

UC/CSU approved course: No

Course Description

Ag Mechanics II is a yearlong course and is the second course in the Ag mechanics sequence. Students will continue to engage in skills learned from Ag Mechanics I and develop new skills in the following areas: small engine theory, small engine maintenance and troubleshooting, MIG welding, Plasma Arc Cutting. Students are also expected to advance their skills in the following areas: all position Arc welding, Oxy/Acetylene welding and cutting, MIG welding, welding joints, plasma arc cutting, sheet metal work, use of hand tools and power tools, electricity, plumbing, shop math, project construction utilizing layout and design techniques. Students learn to construct medium to large projects.

Each student is required to participate in local FFA leadership activities and to maintain a productive Supervised Agricultural Experience (SAE) project in their Record Book. There is a nominal shop fee of \$20 for the year that helps to cover the cost of consumable materials necessary for the course. Students will need to purchase or supply their own materials for independent projects.

Class Requirements

All students will enter at least one completed shop project into the Dixon May Fair as part of their second semester course requirements. While safety equipment is provided, it is recommended that students bring their own safety glasses if they do not like what is provided. A combination padlock is helpful to secure a locker in order to store projects and personal shop clothing.

Agricultural Mechanics III

Year: 11-12

Prerequisite: Agricultural Mechanics I and II

DHS Graduation Requirement: Vocational Elective

UC/CSU approved course: No

Course Description

Ag Mechanics III is a yearlong course that focuses on using the student’s prior knowledge from Ag Mechanics I and II to design and develop an independent project that directly relates to agricultural mechanics. This course is an advanced study of Agricultural Mechanics industry and fabrication. Students are expected to design and fabricate projects that utilize advanced skills. This course may be repeated.

Each student is required to participate in local FFA leadership activities and to maintain a productive Supervised Agricultural Experience (SAE) project in their Record Book. There is a nominal shop fee of \$20 for the year that helps to cover the cost of consumable materials necessary to maintain the equipment for the course and student projects. Students will need to purchase or supply their own metal for their projects.

Class Requirements

All students will enter at least one completed shop project into the Dixon May Fair as part of their second semester course requirements. While safety equipment is provided, it is recommended that students bring their own safety glasses if they do not like what is provided. A combination padlock is helpful to secure a locker in order to store projects and personal shop clothing.

Floral Design

Year: 10-12

Prerequisite: None

DHS Graduation Requirement: Fine Art

UC/CSU approved course: Yes "F" VPA

Course Description

The Art and History of Floral Design provides an introduction to artistic and creative perception including aesthetic valuing through a series of projects in various media including tempera, pencil, flowers, tile, and a variety of papers. Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design. Students will research and study floral trends to understand and develop an appreciation for floral design within historical and cultural, formal and casual, ceremonial and traditional, including an understanding that floral designs are affected by **society, culture, history, politics, and economic influence**. Various assignments based on abstract two and three dimensional designs, historical culture and theory, color theory, and analytical critiques of various floral art works using design vocabulary in conjunction with development of technical skills in floral art will serve as a foundation for more complex works such as multi-part floral designs and creative expression through wedding consultations.

Class Requirements

Students must be willing to spend extra time as needed to complete required art work. Students are required to display their work or projects at the school art fair and the Dixon May Fair. Participation in the FFA Organization and the Supervised Agricultural Experience program (SAEP) are required.

TECHNOLOGY

Computer Technology

Year: 9

Prerequisite: None

DHS Graduation Requirement: Computer Literacy

UC/CSU Approval: No

Course Description

The Technology class will enable students to improve their keyboarding skills with basic introduction of proper technique and practice. Students will learn the basics of MS Word, Excel, and PowerPoint. MS Word will be used to teach desktop publishing with students creating several assignments in various layouts. Students will learn to create PowerPoint slide shows and will practice delivering oral presentations to the class. Basic information literacy and research skills are taught, culminating in the research, creation and oral delivery of a major research assignment enhanced by a PowerPoint presentation. Information on preparing individuals for college and examining career interests and skills will be emphasized.

Class Requirements

This is a daily participation class as the introduction of skills and daily practice will be done in class; therefore, daily attendance is essential. Absences must be made up outside of school time in order to earn back lost daily participation credit. Some work outside of class time may be required to meet important deadlines.

Multimedia Art I

Year: 10-12

Prerequisite: None

DHS Graduation Requirement: Fine Art and Vocational Elective

UC/CSU approved course: Yes (f)

Course Description

This course teaches beginning through advanced multimedia techniques involved in project planning, production elements, project completion and presentation skills. Students work individually and in groups to create dynamic graphic design, original digital art, short video clips, and structured web pages using industry standard professional software. Students expand their knowledge of graphic editing, graphic design, video production, and web design. Throughout the course, students will maintain an electronic portfolio of their work. The class is structured around projects emphasizing the Elements of Design line, shape, form, space, value, color, and texture. It will introduce the students to the Principles of Design including repetition, movement, proportion, balance,

contrast, emphasis, and unity. The projects will also explore the areas of social and cultural emphasis and impact of multimedia. Students will analyze digital art and multimedia graphics using the Four Steps of Art Criticism. Students will also explore areas of personal and professional career growth and skills, and will create a digital portfolio of projects.

Multimedia Art 2

Year: 10-12

Prerequisite: Multimedia 1 or Teacher Recommendation

DHS Graduation Requirement: Fine Art and Vocational Elective

UC/CSU approved course: Yes (f)

Course Description

This class takes the knowledge and skills acquired in Multimedia I to the intermediate and advanced levels. Students will work independently on many new projects, both simulated and real-life business scenarios and have the opportunity to experiment and explore new technology. The course is designed to foster effective communication through visual mediums. The Multimedia II class will challenge students to explore design from concept to creation, presentation to implementation. Students will explore a wide spectrum of design projects including 2D and 3D art, special effects for digital publishing, typography, page layout, create motion graphics and video game content, portfolio web site design and much more. Students will also have the opportunity to become an Adobe Certified Associate, an industry standard in the graphic design and media fields. An Adobe Certified Associate credential certifies entry-level skills to plan, design, build, and maintain effective communications using different forms of digital media.

Multimedia Studio

Year: 11-12

Prerequisite: Multimedia 2

DHS Graduation Requirement: Fine Art and Vocational Elective

UC/CSU approved course: No

Course Description

Multimedia Studio is for students who have completed Multimedia 2 and who are seriously interested in the practical experience of Graphic Design, the Digital Arts and the Multimedia field. Multimedia Studio students will complete advanced graphic design projects, digital art projects and Multimedia projects that are assigned or independently developed. Students will also develop a professional portfolio for use in entering a career path in a graphic design, digital art or Multimedia career field. Some of their portfolio will include completed graphic design or digital art jobs for the Dixon High School community and for community businesses/organizations. Students will work on the course during a Multimedia Art 1 or Multimedia Art 2 class but will be independent from the class.

Multimedia 2 - Publications (Yearbook)

Year: 9-12

Prerequisite: Class application. Multimedia 1 recommended.

DHS Graduation Requirement: Fine Art and Vocational Elective

UC/CSU approved course: No

Course Description

The Dixon High School Yearbook is a student-produced account of clubs, sports, academics, student life, and people at Dixon High School. Students in this course will work under the guidance of the faculty adviser to produce a publication that is held in high regard by students, parents, and members of the community. In this class, students will address the techniques and knowledge needed to produce and manage a professional publication. The central focus of the course is related to a successful production of the school yearbook. This class is primarily a workshop where we will combine both work on this year's yearbook along with the learning of new skills and concepts. Students will work on building a publication and learning essential skills in all of the following areas: yearbook and journalism basics, writing copy, graphic design, photography, and business. Editor positions are available for students interested in taking on a leadership role for the yearbook production.

AP Computer Science Principles

Year: 10-12

Prerequisite: "C" or higher in Integrated Math 1

DHS Graduation Requirement: Vocational Elective

UC/CSU approved course: Yes (g)

Course Description

AP Computer Science Principles is designed to introduce students to various aspects of computer science and computational thinking. Topics covered include abstraction, data and information, the internet, programming, algorithms and the global impact of computing. There is a heavy emphasis on creativity and problem solving, as well as communication and collaboration. The course is designed to develop skills that can be applied within a variety of STEM (Science, Technology, Engineering and Math) fields, and not just within computer science. Students are encouraged to take the AP exam in the spring, and will complete the AP performance tasks in class.

Class Requirements

The course will be heavily project-based, with a focus on problem solving. Students need to be prepared to complete challenging tasks and work well with others. There will also be a significant amount of reading and writing relating to course goals and preparation for the AP exam.

AP Computer Science A

Year: 11-12

Prerequisite: "C" or higher in Integrated Math 1; "C" or higher in AP Computer Science Principles strongly recommended

DHS Graduation Requirement: Vocational Elective

UC/CSU approved course: Yes (g)

Course Description

AP Computer Science A is a course covering object-oriented programming and problem solving using the Java programming language. The course material covered is similar to that of an introductory college-level course in a Computer Science major. Topics covered include program design, implementation and analysis; algorithms, and data structures. The course is intended for students with a strong interest in pursuing Computer Science or a related major in college, and will cover material necessary to prepare for the AP exam. Students are encouraged to take the AP exam in the spring.

Class Requirements

The course will be heavily project-based, with a focus on problem solving. Students need to be prepared to complete challenging tasks and work well with others. Students should be ready to complete programming assignments outside of class if needed.

Advanced Topics in Computer Science

Year: 12

Prerequisite: Completion of AP Computer Science A or teacher approval

DHS Graduation Requirement: Vocational Elective

A-G Approved: no (to be submitted 2019-2020)

Course Description:

Advanced Topics in Computer Science is for students who have demonstrated strong interest in computer science and are considering pursuing postsecondary studies in the field. Students will follow the Project Based Learning (PBL) model to complete projects in a variety of areas, including: app development, game design, data analysis, hardware design, 3D design and modeling and graphics and animation. Students will collaborate with each other, as well as with local businesses and community groups. Students will also present their projects in a variety of formats.

Class Requirements

Students need to work with a high degree of autonomy. They need to be prepared to complete projects outside of class time as necessary.

Diversified Occupations/Work Experience

Year: 11-12

Prerequisite: Must have a job

DHS Graduation Requirement: Vocational Elective

UC/CSU approved course: No

Course Description

Students receive high school elective credit for experience gained through employment outside of school. Students secure their own jobs, however assistance and networking occurs in the classroom if they change or lose their job during the semester. They attend a weekly class and complete weekly written assignments pertaining to the world or work. The students learn valuable life and business skills required to be successful in any industry or career choice they make.

Instructional Materials

Students are required to have a 3 ring 1” binder with 10 plastic protected pages.

Class Requirements

You must be in the 11th or 12th grade and be 16 years of age or older and have a “C” average or better the last semester.

NON-DEPARTMENTAL

Health

Year: 9

Prerequisite: None

DHS Graduation Requirement: Health

UC/CSU Approval: No

Course Description

This class will help teach students educational concepts and practical skills about health as it relates to their lives! These content and skills are aligned with the CA Health Education Content Standards for High School. Content areas include but are not limited to Nutrition and Physical Activity, Mental, Emotional and Social Health, Alcohol, Tobacco, and other Drugs, Growth, Development and Sexual Health, Injury Prevention and Safety, and Personal and Community Health. Students will also be practicing life skills such as decision making, stress management, goal setting, conflict resolution and communication skills.

Class Requirements

Health is a semester long class required for DHS graduation. Students will be expected to complete class work as well as to participate in class activities and discussions. Homework is given that will further enhance skills and content taught and practiced in class.

Leadership

Year: 9-12

Prerequisite: Students must be academically eligible to apply. Application and Teacher Recommendations required

DHS Graduation Requirement: Elective

UC/CSU approved course: No

Course Description

Leadership is a course for students who wish to be a part of the organization of student body activities at Dixon High School. Students must submit an application and be selected as a member of the class. All ASB and class officers are required to take this class. The main objectives of this class are to help solve problems and concerns of the student body as well as coordinate student school functions. Most of the class assignments are spent in small groups or committees. Dances, Rallies, school assemblies, spirit weeks, student orientation, community projects, and school elections are among the many projects the Leadership/Student Council coordinates.

Class Requirements

To promote community spirit, 20 hours a semester of community service is required by each student; minimum of 6 in-school hours and 14 out-of-school hours. Students must serve on 6 committees each semester. Each student must maintain eligibility to be a member. Students are expected to follow through on all assigned or volunteered activities.

AVID 9-12

Year: 9-12

Prerequisite: Interview/Teacher Approved

DHS Graduation Requirement: Elective

UC/CSU approved course: No

Course Description

The AVID Program (Advancement Via Individualized Determination) supports average students (2.5 – 3.5 GPA) motivated in attending and succeeding in college. The AVID curriculum centers on the WICOR method (Writing, Inquiry, Collaboration, Organization, Reading) learning organizational and study skills, developing critical thinking skills, and increasing awareness of the college acceptance process. Activities, including focused note taking, quick writes, and tutorial groups, are structured around a Socratic-style approach.

The College Path aids in developing college preparatory and decision-making skills, helping the students to set academic goals and designing a plan to reach them.

Class Requirements

Coming to class prepared with tutorial questions, Focused Notes, and maintaining an organized binder and academic planner. Being motivated to learn, grow, and succeed in school at high levels.

AVID Tutor

Year: 11-12

Prerequisite: Must have completed Algebra II/Trig with a B or better, and an overall GPA of 2.8 or higher

DHS Graduation Requirement: Elective

UC/CSU approved: No

Responsibilities

AVID tutor is a semester elective for students wishing to be tutors in the AVID program. Students will facilitate tutorials for 5-7 AVID students twice a week during the tutorial portion of the AVID elective class, and assist the teacher in providing academic and organizational skills to students on the other 3 days.

Participants will:

- ◆ Identify roles and responsibilities of AVID Tutors.
- ◆ Lead an effective tutorial groups.
- ◆ Employ Socratic questioning techniques to help students attain mastery of material.

Reference AVID for scholarship opportunities, personal statement, and add to your resume and college application.

You must request this class when making your course selecting for the upcoming school year.

FOCAS

Year: 9

Prerequisite: Teacher Placement

DHS Graduation Requirement: Elective

UC/CSU approved course: No

Course Description

F.O.C.A.S. is an intense intervention program designed and administered for students (primarily 9th grade students) who are most “at risk” for not graduating as reflected in a poor grade point average and being identified as “off target”, and having earned insufficient grades to be on target for graduation by the 12th grade. The students are in this class to learn academic skills development and receive consistent support from academic mentors.

Class Requirements

During the F.O.C.A.S. class, students will be grouped with 3-5 students and 1-3 mentors who will work together to attain weekly, quarterly and semester goals. The ultimate goal is to have students improve academically, successfully completing required work in core subjects while developing the ability to manage their personal academic success and serve as peer mentors to their fellow classmates.

Teacher Assistant

Year: 11-12

Prerequisite: None

DHS Graduation Requirement: Elective

UC/CSU Approval: No

Course Description

The role of a teacher’s assistant is an important one in helping support the staff of Dixon High School. The school extends opportunities to student’s to serve in these positions for credit and the experience of assisting in a professional setting. An application is required.

PHYSICAL EDUCATION

Athletic Participation Credits

Athletes who have successfully completed both semesters of PE-9 may earn physical education credit by completing a season of sport during 10-11 grade. Five credits will be awarded for each for up to two seasons of sport credits (maximum of ten credits) and will count toward the Physical education graduation requirement. Only sophomores and juniors may earn PE credit through athletic sport participation.

To receive athletic credit, the athlete must at no time of the season become ineligible, academic or otherwise. Additionally, an athlete may have missed no more than two weeks of the season due to the completing the process of getting a physical exam and beginning participation, attending or watching the Substance Abuse Police presentation and completing the initial drug test.

PE 9

Year: 9

Prerequisite: None

DHS Graduation Requirement: Physical Education

UC/CSU Approval: No

Course Description

The P.E. 9 class is a course based on the California State Framework for Physical Education. It is a required course for all freshmen and fulfills the first of a two-year physical education requirement for graduation from high school. The course emphasis is on preparing each student for lifetime fitness. Individual rather than team sports are the focus of this class. At the completion of the course the student should be able to develop an individual fitness plan based on the individual's fitness needs. State testing is mandated for year 9 and will be included in this course.

Instructional Materials

Equipment: All students are required to wear Dixon Unified School District physical education uniforms. That means that uniforms purchased for use at Dixon High School must be worn for classes. The cost: \$15 each for short and \$15 for each shirt or loaners will be provided. Any student who is unable to afford the uniform should contact the teacher to arrange a payment plan.

Class Requirements

Students are expected to suit-up daily and complete daily class assignments. Materials recommended are a combination lock, notebook, paper, pens, pencils for class work and testing. Passing four semesters of P.E. is a California state requirement for graduation.

PE 10-12

Year: 10-12

Prerequisite: PE 9

DHS Graduation Requirement: Physical Education

UC/CSU Approval: No

Course Description

P.E. 10-12 is a course based on the California state P.E. frameworks. This class and fulfills half of the Dixon High two-year physical education requirement for graduation. It may be taken as a 10th, 11th, or 12th grade student. The focus of this class is to explore team and individual sports, recreation, dance, and weight lifting, as well as address general fitness issues of the student.

Class Requirements

Students are expected to suit-up daily and complete daily class assignments. Passing four semesters of P.E. is a California state requirement for graduation.

Instructional Materials

Equipment: All students are required to wear Dixon Unified School District physical education uniforms. That means that uniforms purchased for use at Dixon High School must be worn for classes. The cost: \$15 each for short and \$15 for each shirt or loaners will be provided. Any student who is unable to afford the uniform should contact the teacher to arrange a payment plan.

Weight Training

Year: 10-12

Prerequisite: PE 9

DHS Graduation Requirement: Physical Education

UC/CSU Approval: No

Course Description

This course's emphasis is on weight lifting techniques and training. Students will learn basic lifting techniques and principles of strength conditioning throughout the course of the year. Students should be prepared to lift and condition four days a week. Students who take this class should be serious about changing/improving their overall strength and conditioning through weight training.

Instructional Materials

Equipment: All students are required to wear Dixon Unified School District physical education uniforms. That means that uniforms purchased for use at Dixon High School must be worn for classes. The cost: \$15 each for short and \$15 for each shirt or loaners will be provided. Any student who is unable to afford the uniform should contact the teacher to arrange a payment plan.

Class Requirements

Students are expected to suit-up daily and complete daily folder/notebook assignments. Materials recommended are a notebook, paper, pens, pencils for class work and testing. This class fulfills one year of the two-year physical education graduation requirement.

Yoga

Year: 10-12

Prerequisite: PE 9

DHS Graduation Requirement: Elective

UC/CSU Approved: Pending

Course Description

This course is designed to introduce the beginning level student with minimal or no yoga experience to the basic vocabulary and technical skills required for yoga. Yoga will help students develop basic yoga skills in a variety of styles: Hatha, Vinyassa, Power, Astanga and Iyengar. Additionally, this course will teach how to properly perform each movement, how to breathe correctly, and will also focus on increasing students emotional well-being, self-confidence, and overall health, nutrition, and fitness.

SPECIAL EDUCATION

Transition Partner Program (TPP)

Year: 12

Prerequisite: Must have a valid Social Security number, Individual Education Plan (IEP) or 504plan

DHS Graduation Requirement: Elective

UC/CSU Approval: No

Course Description

TPP prepares special education students for life after high school.

Curriculum Support 9-12

Year: 9-12

Prerequisite: Individual Education Plan

DHS Graduation Requirement: Elective

UC/CSU Approval: No

Course Description

Curriculum Support class is designed instruct students on improving study skills, organizational skills and test taking strategies. Application of organizational skills through the use of assignment sheets, binders, and self-monitoring techniques. Students will have instructions in utilizing various learning modalities to strengthen understanding and retention of concepts. Assistance and support in other coursework.