



San José Unified School District

High School Course Catalog

2013-2014

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SJUSD Comprehensive High Schools

Gunderson High School535-6340

622 Gaundabert Lane

San Jose 95136

<http://www.sjUSD.org/gunderson/>



Leland High School535-6290

6677 Camden Avenue

San Jose 95120

<http://www.sjUSD.org/leland/>

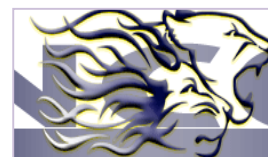


Lincoln High School.....535-6300

555 Dana Avenue

San Jose 95126

<http://www.sjUSD.org/school/lincoln>



Pioneer High School.....535-6310

1290 Blossom Hill Road

San Jose 95118

<http://pioneerhigh.org/>



San Jose High School535-6320

275 North 24th Street

San Jose 95116

<http://www.sjUSD.org/sjha/>



Willow Glen High School.....535-6330

2001 Cottle Avenue

San Jose 95125

http://www.sjUSD.org/school/willow_glen_high



California High School Exit Exam (CAHSEE)

What is CAHSEE?

All California public school students are required to pass the CAHSEE and meet all other state and local requirements to earn a high school diploma. The purpose of the CAHSEE is to improve student achievement in high school and to ensure that graduating students can demonstrate grade level competency in English language arts and mathematics, as defined by California State's academic content standards.

Who takes CAHSEE?

- 9th grade students: All students will receive notification in the fall of their freshman year regarding the requirement to take the CAHSEE as sophomores.
- 10th grade students: All students will take CAHSEE in March of their sophomore year.
- 11th grade students: All students who have not taken or passed one or more parts of the CAHSEE will have two opportunities to retake the test in November and February of their junior year.
- 12th grade students: All students who have not taken or passed one or more parts of the CAHSEE will have at least three opportunities to retake the test in their senior year. Students will be offered opportunities to retake the test for two years after 12th grade.

Is Help Available?

Any student whose IEP or 504 plan specifies the need for accommodations or modifications must be allowed to use them. Students who use an accommodation and earn a score of 350 or higher have passed that part of the CAHSEE. Students who use a modification and have earned a score of 350 or higher may be eligible for a diploma, if the district school board grants a waiver of the requirement to pass the CAHSEE.

All English Learners are required to take the CAHSEE in the 10th grade. They are allowed some testing variations such as use of translation glossaries or word lists (English to primary language) that do not include definitions, and oral directions that are translated into the student's primary language.

Program Resources for Parents

Additional information about CAHSEE is posted on the California Department of Education's website at:

<http://www.cde.ca.gov/ta/tg/hs/resources.asp>

Information can be downloaded on the following:

Released Test Questions in ELA and Math

Student Study Guides in Mathematics and English-Language Arts

SJUSD Graduation Requirements

UC/CSU Entrance Requirements

San Jose Unified has the highest graduation requirements in the state, setting high standards and expectations that all students will complete 240 credits including the University of California system's entrance requirements (commonly called the A-G requirements) in order to earn a high school diploma. "A-G" requires students to take a rigorous course of study, which includes three years of college preparatory math through algebra II, three years of college preparatory science, including two lab sciences, and two years of a foreign language.

| SJUSD Graduation Requirements | | | |
|---|-----|--------|--------|
| Subject | REQ | EARNED | NEEDED |
| English | 40 | | |
| Am Gov/Econ | 10 | | |
| US History | 10 | | |
| World History | 10 | | |
| Math | 30 | | |
| Science | 30 | | |
| For. Lang. | 20 | | |
| Visual/Perf Arts | 20 | | |
| PE | 20 | | |
| Electives | 50 | | |
| Total | 240 | | |
| State Requirements <ul style="list-style-type: none"> ▪ PE Course 1 and 2 ▪ PE Fitness Test ▪ Driver's Education ▪ Health Education ▪ Safety/First Aid ▪ Algebra 1 ▪ CAHSEE Community Service Hours <ul style="list-style-type: none"> ▪ 40 Hours Total | | | |

| CAL State University Requirements | | |
|--|-----|--------|
| Subject | REQ | EARNED |
| English (b) | 40 | |
| U.S. Hist/Gov (a) | 10 | |
| W. Cult/Hist (a) | 10 | |
| Math (c) | 30 | |
| Lab Science (d) | 20 | |
| For. Lang. (e) | 20 | |
| Vis/Perf Arts (f) | 10 | |
| | | |
| Electives (g) | 10 | |
| | | |
| <ul style="list-style-type: none"> ▪ Earn a minimum GPA of 2.0 with no grade lower than a C (calculated with letter grades from 10th and 11th grade UC approved courses only). ▪ Take required test: SAT Reasoning Test or ACT ▪ Achieve the SAT or ACT score indicated on the CSU Eligibility Index (or above) that corresponds with your GPA. | | |

| University of California Requirements | | | |
|--|-----|-----|--------|
| Subject | REQ | REC | EARNED |
| English (b) | 40 | 40 | |
| U.S. Hist/Gov (a) | 10 | 10 | |
| W. Cult/Hist (a) | 10 | 10 | |
| Math* (c) | 30 | 40 | |
| Lab Science (d) | 20 | 30 | |
| For. Lang. (e) | 20 | 30 | |
| Vis/Perf Arts (f) | 10 | 10 | |
| | | | |
| Electives (g) | 10 | 10 | |
| | | | |
| <ul style="list-style-type: none"> ▪ Earn a minimum GPA of 3.0 with no grade lower than a C (calculated with letter grades from 10th and 11th grade UC approved courses only). ▪ Take required test: SAT Reasoning Test or ACT with writing ▪ Achieve the combined SAT Reasoning Test or ACT and SAT Subject test score indicated on the UC Eligibility Index that corresponds with your GPA. <p>* Math must include Algebra and Geometry</p> | | | |

Above UC/CSU requirements are subject to change without notice.

UC/CSU "a-g" Subject Requirements
(appear in parentheses in UC/CSU subject area)

- a History/ Social Science
- b English
- c Mathematics
- d Laboratory Science
- e Foreign Language
- f Visual and Performing Arts
- g College Prep Electives

High School Graduation Plan

SJUSD Academic Requirements

| Subject Area | Required Credits | Freshman | Sophomore | Junior | Senior |
|-------------------|------------------|----------|-----------|--------|--------|
| English | 40 | | | | |
| Social Sciences | 30 | | | | |
| Math | 30 | | | | |
| Science | 30 | | | | |
| Foreign Language | 20 | | | | |
| Visual Perf. Arts | 20 | | | | |
| PE Course 1 and 2 | 20 | | | | |
| Electives | 50 | | | | |
| Total | 240 | | | | |

Additional Requirements

| | | | | | |
|---|---------------|--|--|--|--|
| SJUSD Req: Community Service | 40 Hours | | | | |
| State Req 1: PE Fitness Test | | | | | |
| State Req 1: Driver's Education | | | | | |
| State Req 1: Health Education | | | | | |
| State Req 1: Safety/First Aid | | | | | |
| State Req 2: CAHSEE Exam | Lang and Math | | | | |
| State Req 3: Algebra I | 10 Credits | | | | |

Requirements for SJUSD – 20 credits of VPA or 10 credits of VPA and AA
UC/CSU will not accept AA towards VPA entrance requirements

Description of Additional Requirements:

San Jose Unified School District Requirement: Certification of a minimum of 40 hours of community service is required for graduation (10 hours per year of enrollment).

State Requirement 1: Students must pass a designated course of study in each of the following areas: Physical Education, Driver Education, Health, and Safety & First Aid.

State Requirement 2: California High School Exit Exam (CAHSEE) Students who are in the class of 2006 and beyond must pass this Language Arts and Math sections of this exam in order to graduate from high school and receive a diploma.

State Requirement 3: All students, including those in alternative programs who receive a high school diploma must pass an Algebra I course or equivalent with a total combined credits of 10. (Ed. Code 51224.5)

San Jose Unified School District recommends that prior to graduation, all students be introduced to the world of computers as appropriate to the course content of the classes they take. This experience could range from introductory word processing to computer programming in Advanced Placement or International Baccalaureate courses.

Understanding a Course Description

| | | | |
|---|--|------------------|---|
| <i>Course Name</i> | Spanish 5-6 | #2574-2575 | <i>Course Number</i> |
| <i>Grade level of students that may enroll in the course</i> | 11 th – 12 th Grades | Foreign Language | <i>Graduation Requirement met by the course (see pages 4-5)</i> |
| <i>Description of the Course</i> | This course reviews, reinforces, and expands grammar and communication skills acquired in Spanish 1-2 and 3-4. Through reading and discussion of literature, history, customs, and geography, students enhance their understanding of the cultures of Spanish-speaking peoples. Virtually all class work and communication are in Spanish. | | |
| <i>Course or Activity required before the student is eligible for this course</i> | <i>Prerequisite: Spanish 3-4</i> | | |
| <i>Schools that offer this course</i> | Leland, Lincoln, Pioneer, Willow Glen | | |
| <i>UC/CSU requirement met by this course (see page 4-5)</i> | * Meets University Entrance Requirements: CSU, UC ("e", "g") | | |

Note: Student initiated schedule changes will be addressed only during the three-week period immediately following the first day of the semester. No classes within a student's regular school day may be dropped after the end of the first six-week grading period.

Course Offerings

Applied Arts

Business

Work Experience Education #1712—1713
11th – 12th Grades Applied Arts
This course combines supervised part-time employment with academic and skill preparation in the classroom. Students are assisted in acquiring desirable work habits and attitudes. Students meet on the high school campus at least one period per week, and credit is awarded based on the number of hours spent at paid employment, in classroom participation, and in completion of all paperwork. Computer training to improve communication and work skills are integrated as appropriate.
Prerequisite: Student must be at least 16 years old
Gunderson, Leland, Pioneer, San Jose High, Willow Glen

Business Internship #9014
11th – 12th Grades Applied Arts
This is a 1-5 unit semester course that gives juniors and seniors an opportunity to intern and work with a mentor in a career field of their choice. General business procedures are observed and practiced by students in an on-the-job location under guidance of a site-based mentor. A wide spectrum of business choices is represented. This course is not to be confused with general work experience.
Prerequisite: None
Leland

Computer Education

Keyboarding/Computer Literacy #1620—1621
9th – 12th Grades Applied Arts
This course is designed for students with little or no previous typing or keyboarding instruction. Students use a microcomputer to learn typing, graphics, word processing, databases, and spreadsheets.
Prerequisite: None
Pioneer

AP Computer Science A #4104—4105
11th – 12th Grades Elective Honors
In this course, students will construct flow charts for the solution of mathematical problems, learn to operate a teletype terminal connected to a minicomputer, and run programs in “computer basic” in the classroom. Individual projects will also be completed.
Prerequisite: Algebra II with a grade of “C” or better
Pioneer
* Meets University Entrance Requirements: CSU, UC (“g”)

Exploring Computer Science #4122—4123
9th – 12th Grades Elective
This course will provide students with foundational knowledge of computer science. Students will explore topics of human computer interaction, problem solving, web design, computer programming, data modeling, and robotics. Throughout the course, students will understand the algorithmic underpinnings of computer applications and gain technical expertise using computational tools.
Prerequisite: Concurrent enrollment in Algebra I
Pioneer, Willow Glen
* Meets University Entrance Requirements: CSU, UC (“g”)

Industrial Arts

Drafting 1-2 #3532—3533
9th – 12th Grades Applied Arts
In this introductory course, students acquire knowledge and skills in the use of LT98 AutoCAD software. Through the drawing of mechanical parts, students learn technical sketching, drawing setup, dimensioning, LT98 commands, printing and plotting. The second semester covers the study of architectural drawing and model building. Six basic drawings for home design are completed.
Prerequisite: None
Gunderson, Pioneer

Woods 1-2 #3652—3653
9th – 12th Grades Applied Arts
This beginning course introduces hand tool and equipment safety and techniques in cabinet making, including pattern-making, wood finishing, and wood turning. Safety in the use of all tools and equipment is stressed.
Prerequisite: None
Gunderson, Pioneer

Wood, Advanced #3654—3655
10th – 12th Grades Applied Arts
This course builds on and extends the skills acquired in Woods 1-2. Students design, plan, develop, and construct furniture, cabinets and other items. Safe machine operations are stressed.
Prerequisite: Woods 1-2
Gunderson, Pioneer

Course Offerings

Project Lead the Way

Introduction to Engineering Design #6600—6601
9th – 11th Grades Elective
This course introduces students to the elements of design in engineering fields. Students use a problem-solving model to improve existing products and invent new ones. The student learns how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.
Prerequisite: None
Leland, San Jose High
* Meets University Entrance Requirements: CSU, UC (“f”)

Principles of Engineering #6602—6603
10th – 12th Grades Elective
This introductory course explores the wide variety of careers in Engineering and Technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, the student learns first hand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change.
Prerequisite: None
Leland, San Jose High
* Meets University Entrance Requirements: CSU, UC (“g”)

Biotechnical Engineering #6610—6611
10th – 11th Grades Elective
Through studying technological advances necessary for the identification and processing of DNA, students will learn how engineers play a vital role in supporting forensic professionals.
Prerequisite: Introduction to Engineering Design and Biology 1-2 or Honors Biology 1-2
San Jose High
* Meets University Entrance Requirements: CSU, UC (“g”)

Digital Electronics #6604—6605
10th – 12th Grades Elective
This course in applied logic encompasses the application of electronic circuits and devices. The student uses computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices.
Prerequisite: None
San Jose High
* Meets University Entrance Requirements: CSU, UC (“g”)

Engineering Design and Development #6606—6607
11th – 12th Grades Elective
In this capstone course, teams of students spend the year solving problems of their own choosing. The teams apply principles developed in the three preceding core courses and are guided by a community mentor. They brainstorm possibilities, research current patents and regulations, construct a working model, test the model in real life situations, or simulations, document their designs, and present and defend the design to a panel of experts.
Prerequisite: Principles of Engineering and Digital Electronics
Leland, San Jose High
* Meets University Entrance Requirements: CSU, UC (“g”)

Principles of Biomedical Sciences #6612—6613
9th – 10th Grades Elective
Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, and infectious diseases. They determine the factor that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.
Prerequisite: None
Willow Glen
* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

Human Body Systems #6614—6615
10th – 12th Grades Elective
Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries.
Prerequisite: Principles of Biomedical Sciences
Willow Glen
* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

Aerospace Engineering #6616—6617
10th – 12th Grades Elective
This course explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. Alternative applications for aerospace engineering concepts are also presented. Students analyze, design, and build aerospace systems. They apply knowledge gained throughout the course in a final presentation about the future of the industry and their professional goals.
Prerequisite: Introduction to Engineering Design or Principles of Engineering
Leland
* Meets University Entrance Requirements: CSU, UC (“g”)

Course Offerings

English Language Development

English ELD 1-2 9th – 12th Grades

#2104—2105
English and Elective

This two-period ELD Language Arts course is designed as an intensive introduction to English. Emphasis is placed on the acquisition of basic communication skills and vocabulary development. Students acquire these skills through the use of materials and instructional strategies that incorporate listening, speaking, reading and writing. The second period of this course is Reading ELD 1-2.

Prerequisite: None
All Schools

English ELD 3-4 9th – 12th Grades

#2106—2107
English and Elective

This two-period ELD Language Arts course is designed for students whose proficiency level is at the Beginning/Early Intermediate level as measured by the CELDT. Students continue to develop listening, speaking, reading, and writing skills through the use of a variety of instructional materials and strategies. The second period of this course is Reading ELD 3-4.

Prerequisite: English ELD 1-2 or a placement exam
All Schools

English ELD 5-6 9th – 12th Grades

#2108—2109
English and Elective

This two-period course is designed for students following the ELD sequence of English. Students continue to develop listening, speaking, reading, and writing skills through the use of a variety of instructional skills and strategies. The second period of this course is Reading ELD 5-6.

Prerequisite: English ELD 3-4 or a placement exam
All Schools

* Meets University Entrance Requirements: CSU, UC ("b", "g")
(Only one year of ELD 5-6 or 7-8 is allowed)

Transitional English ELD 1-2 9th – 12th Grades

#2120—2121
English and Elective

Transitional English is an ELD standards-based course for advanced ELL students nearing reclassification. The focus for the course is academic vocabulary building, academic writing, grammar and mechanics, and expository or content reading. This course assists students in developing critical thinking, reading and writing skills in conjunction with their mainstream English classrooms and preparation for the California High School Exit Exam. The types of writing tested in the CAHSEE writing exam will be emphasized.

Prerequisite: Concurrent enrollment in English ELD 1-8
San Jose High

Social Studies ELD 1-2 9th – 12th Grades

#6290—6291
Social Science

This course is intended for beginning level English Learners and provides content-based Social Studies instruction in English. Students develop vocabulary, concepts and knowledge connected with a broad Social Science curriculum that includes the study of geography, history and cultures.

Prerequisite: Concurrent enrollment in English ELD 1-2
Leland, Lincoln, San Jose High, Willow Glen

Social Studies ELD 3-4 9th – 12th Grades

#6294—6295
Social Science

This course is the next level of Social Studies instruction for beginning/intermediate level English Learners. Students receive content-based Social Studies in English that emphasizes and further expands student development of vocabulary, concepts and knowledge with regard to world history, cultures and geography.

Prerequisite: Concurrent enrollment in English ELD 3-4
Leland, Lincoln, San Jose High

Math ELD 1-2 9th – 12th Grades

#4142—4143
Elective

Math ELD 1-2 is a beginning Math course for students who have been identified as English Language Learners. Emphasis is placed on selected Beginning and Early Intermediate ELD standards through the study of Math vocabulary and concepts.

Prerequisite: Concurrent enrollment in English ELD 1-2 or ELD 3-4

Lincoln, San Jose High, Willow Glen

English/Language Arts

English 1-2 9th Grade

#2052—2053
English

English 1-2 is a standards-based course designed to develop skills in listening, speaking, reading comprehension, language usage and writing, literary analysis, and critical thinking. Students develop those skills that enable them to demonstrate their understanding and appreciation of literary works through the use of several writing forms. Additional skills, such as conflict resolution, active learning techniques and pre-writing skills enhance the students' development as learners. The SJUSD core literature selections for this course include: The Tragedy of Romeo and Juliet and Of Mice and Men. The course is designed to help students develop communicative skills in preparation for English 3-4.

Prerequisite: None

All Schools

* Meets University Entrance Requirements: CSU, UC ("b", "g")

English 3-4 10th Grade

#2058—2059
English

English 3-4 is a standards-based course designed to enhance skills in listening, speaking, reading comprehension, language usage and writing, literary analysis, and critical thinking. Students further develop those skills that enable them to demonstrate their understanding and appreciation of literary works through the use of several writing forms. The SJUSD core literature selections for this course include a Shakespearean play and To Kill a Mockingbird or Like Water for Chocolate. The course is designed to help students develop communicative skills in preparation for English 5-6.

Prerequisite: None

All Schools

* Meets University Entrance Requirements: CSU, UC ("b", "g")

Course Offerings

English Accelerated 3-4 10th Grade

#2214—2215
English

This course is an intensive standards-based course designed to develop skills in listening, speaking, reading comprehension, language usage and writing, literary analysis, and critical thinking in students who plan to take English Honors/Advanced Placement courses. The SJUSD core literature selections for this course include a Shakespearean play and To Kill a Mockingbird or Like Water for Chocolate. The course is designed to help students develop communicative skills in preparation for English Honors 5-6. Additional reading and writing assignments are required of students in this rigorous college preparatory course.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“b”, “g”)

English MYP 3-4 10th Grade

#2088—2089
English

The focus of this course is an in-depth study of selected works of English literature: short stories, novels, dramas, poems, and critical essays. Both semesters of the course are based on the historical examination of English literature from the medieval period through the present. Considerable emphasis is given to both the written and oral forms of student presentation. Written examination of the literature emphasizes analysis of characters, comparative studies of all literary aspects of works examined, interpretation of poetry, poetic composition, and creative writing projects devised by the teacher and/or students.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC (“b”, “g”)

English 5-6 11th Grade

#2064—2065
English

English 5-6 is a standards-based course designed to enhance skills in listening, speaking, reading comprehension, language usage and writing, literary analysis, and critical thinking. Students further develop the skills that enable them to understand and appreciate American literature through the use of several writing forms. The SJUSD literary selections for this course include Adventures of Huckleberry Finn and The Crucible. Additional novels, short stories, poems and plays by American authors are required in this college preparatory course. The course is designed to help students develop communicative skills in preparation for English 7-8.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“b”, “g”)

English 5-6 Honors 11th Grade

#2068—2069
English Honors

English Honors 5-6 is an intensive and rigorous standards-based course designed to assist students in developing more fully skills of listening, speaking, reading comprehension, language usage and writing, literary analysis, and critical thinking. It is especially designed for students who plan to take the Advanced Placement course in literature. Students further develop the skills that enable them to understand and appreciate American literature through the use of several writing forms. The SJUSD literature selections for this course include Adventures of Huckleberry Finn and The Crucible. Additional reading and writing assignments are required of students in this rigorous college preparatory course.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“b”, “g”)

English SL Prep 1-2 11th Grade

#2412—2413
English

The IB Preparatory Standard Level course is an intensive and rigorous standards-based course designed to assist students in fully developing skills of listening, speaking, reading comprehension, language usage and writing, literary analysis and critical thinking. This class is designed to prepare students to take the International Baccalaureate Standard Level Course. The works of Ernest Hemingway, Herman Hesse and Toni Morrison are addressed in the literature component. Additional reading and writing assignments are required of students in this rigorous college preparatory course.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC (“b”, “g”)

English B IB HL I 11th Grade

#2408—2409
English

This is the first year component of a two-year program that prepares students whose native language is not English, to pass a proficiency exam in English. The course of study includes extensive preparation in grammar skills, vocabulary building, syntax, sentence building, paragraph development, short essays, and character descriptions. Silent and oral reading skills are developed while students study selected works of literature.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC (“b”, “g”)

English IB HL I 11th Grade

#2404—2405
English Honors

The junior International Baccalaureate English class is the first of a two-year International Baccalaureate higher-level program. Literature for this course is chosen from the International Baccalaureate Organization approved list. This course covers the World Literature of the IB syllabus and prepares students for analysis leading to their individual oral presentation. Students will be expected to engage in independent literary criticism as they read translated works from five countries in addition to the traditional works of the Americas. Each work is studied in-depth and student presentations focus socio-historical and literary aspects of the texts.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC (“b”, “g”)

* Honors credit awarded upon completion of English IB HL I

English B IB HL II 12th Grade

#2410—2411
English

This is the second year component of a two-year program that prepares students whose native language is not English, to pass a proficiency exam in English. The course of study includes extensive preparation in grammar skills, vocabulary building, syntax, sentence building, paragraph development, short essays, and character descriptions. Silent & oral reading skills are developed while students study selected works of literature.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC (“b”, “g”)

Course Offerings

English 7-8 12th Grade

#2070—2071
English

English 7-8 is a standards-based course designed to enhance skills in listening, speaking, reading comprehension, language usage and writing, literary analysis, and critical thinking. Students further develop those skills that enable them to demonstrate their understanding and appreciation of literary works through the use of several writing forms. The SJUSD core literary selections include Their Eyes Were Watching God and either Othello, MacBeth, or Hamlet. The course is designed to help students develop communicative skills for continuing their education or entering the job market.

Prerequisite: None

Leland

* Meets University Entrance Requirements: CSU, UC ("b", "g")

CSU Expository Reading and Writing Course 12th Grade

#2136—2137
English

This two-semester expository reading and writing course meets the university requirements for a fourth year of English. Students are offered an opportunity to address critical reading and writing problems identified by the CSU English Placement Test and prepares students to meet the expectations of college and university faculty. Course assignments are based mainly on non-fiction texts, emphasizing the in-depth study of expository, analytical, and argumentative reading and writing.

Prerequisite: None

Gunderson, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("b", "g")

English IB SL 12th Grade

#2414—2415
English

The IB Standard Level course is an intensive program of study. This year incorporates all of the course work of the previous year and adds additional experiences and practice in literary analysis. The works of Shakespeare, Arthur Miller, Henrik Ibsen, Edward Albee and F. Scott Fitzgerald are studied. Students are required to write one paper on two world literature texts and take written examinations in May. This class prepares students for the International Baccalaureate Standard Level exam moderated by the International Baccalaureate Organization.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC ("b", "g")

English IB HL II 12th Grade

#2406—2407
English Honors

The International Baccalaureate Honors English course is an intensive two-year program of study. The second year incorporates all of the course work of the previous year and adds additional experience and practice in literary analysis. Second year IB students take an oral examination on texts studied in detail (Shakespeare and selected poets), write two papers on the world literature texts, and take a written examination in May on selected dramatic works of Ibsen, Miller, Albee, Lorca. The International Baccalaureate Organization moderates the exams. A summer reading list is a course requirement.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC ("b", "g")

AP English Language and Composition 11th Grade

#2076—2077
English Honors

This course is designed for juniors who are ready for college level reading and writing. The course emphasizes developing analytical reading skills and the rhetorical style. The AP English Language course focuses on rhetorical strategies and stylistic choices of exemplary prose writers from American and other literary traditions in preparation for the American College Board Advanced Placement Examination in English Language and Composition. The student will read and analyze selected prose works and practice rhetorical analysis skills with work as needed on vocabulary, grammar, and usage to supplement writing skills.

Prerequisite: None

Gunderson, Leland, Lincoln, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("b", "g")

AP English Literature and Composition 12th Grade

#2078—2079
English Honors

AP English Literature and Composition is an intensive full-year course designed for seniors who are ready for college level reading and writing. The course emphasizes the development of skills in literary analysis in preparation for the Advanced Placement Examination in English Literature.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("b", "g")

Journalism 1-2 9th-12th Grades

#2122—2123
Elective

This course prepares the student for work on a school newspaper. The student learns interviewing skills and news writing techniques, and explores different types of feature stories and editorials. The course emphasizes writing skills, layout and design. It also includes instruction in investigative reporting and discussion of the ethics and law.

Prerequisite: None

Gunderson, Lincoln, Pioneer, San Jose High, Willow Glen

Journalism, Advanced 9th-12th Grades

#2124—2125
Elective

This class includes an active hands-on role in design, production, and publication of the school newspaper. Editing, layout, design and desktop publishing skills are emphasized. It may also include business aspects of a school newspaper (marketing, circulation), photography and graphic arts. The course requires strong writing skills, leadership skills and the ability to work independently and responsibly.

Prerequisite: Completion of Journalism 1-2 or equivalent

All Schools

* Meets University Entrance Requirements: CSU, UC ("g")

Course Offerings

Foreign Language (LOTE)

French

French 1-2 #2510—2511
9th – 12th Grades Foreign Language
This course introduces and develops basic skills in listening, speaking, reading, and writing. Common traditions and customs of French-speaking people are also introduced.

Prerequisite: None

Gunderson, Leland, Lincoln, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“e”)

French 3-4 #2512—2513
10th – 12th Grades Foreign Language
Students continue to develop the skills learned in French 1-2, while the level of work advances. More emphasis is placed on reading and writing in this second year. Students continue to learn about the cultures in the French-speaking world.

Prerequisite: French 1-2

Gunderson, Leland, Lincoln, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

French 5-6 #2514—2515
10th – 12th Grades Foreign Language
This course is an extension of French 3-4. Students continue to develop and refine skills in listening, speaking, reading, and writing. Extracts of French literary works are read and discussed.

Prerequisite: French 3-4

Gunderson, Leland, Lincoln, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

French 7-8 #2516—2517
11th – 12th Grades Foreign Language
Students continue to refine and enhance their skills in comprehending, speaking, reading, and writing French. Literary readings and analyses are introduced and followed by extensive writing exercises. The course is conducted almost exclusively in French.

Prerequisite: French 5-6

Gunderson, Leland, Lincoln

* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

AP French #2524—2525
11th – 12th Grades Foreign Language Honors
This course emphasizes the use of language for active communication and prepares students to take an Advanced Placement Examination in the French language. It requires additional independent reading and a special project each semester.

Prerequisite: French 5-6

Leland, Lincoln, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Portuguese

Portuguese 1-2 #2600—2601
9th – 12th Grades Foreign Language
This beginning course introduces and develops basic skills in listening, speaking, reading, and writing in Portuguese. The fundamentals of pronunciation, language structures, and vocabulary are taught. An appreciation of the cultures of the eight Portuguese-speaking countries in Europe, Africa, South America and Oceania is developed.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC (“e”)

Portuguese 3-4 #2602—2603
9th – 12th Grades Foreign Language
This course builds on and expands the basic elements of language learning: listening, speaking, reading, writing, and cultural awareness. Students continue to develop oral communication and are introduced to short readings. Students study different aspects of the culture of Portuguese-speaking countries.

Prerequisite: Portuguese 1-2

San Jose High

* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Portuguese Diploma Prep 5-6 #2840—2841
9th – 12th Grades Foreign Language
This course is designed to prepare students for the International Baccalaureate Portuguese program. Emphasis is placed on the study of language structures, reading, vocabulary, and oral and written expression. Cultural studies focus on the history, geography, folklore, and literature of Portuguese-speaking countries.

Prerequisite: Portuguese 3-4 (native-speakers of Portuguese who can read and write relatively well should start their studies at this level)

San Jose High

* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Portuguese Diploma Prep 7-8 #2842—2843
10th – 12th Grades Foreign Language
This course expands on skills learned in Portuguese Diploma Prep 5-6. More complex language structures will be studied. The course will focus on building a solid linguistic, cultural and literary basis to prepare students for the IB program.

Prerequisite: Portuguese Diploma Prep 5-6

San Jose High

* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Portuguese IB SL #2844—2845
10th – 12th Grades Foreign Language Honors
This course prepares students for the International Baccalaureate test in Portuguese (Standard Level). Oral and written communication is stressed. Language structures and vocabulary are reviewed, fine-tuned and developed. Students are expected to give many oral presentations and to write several compositions. Cultural studies reflect the various cultures of the lusophone world.

Prerequisite: Portuguese Diploma Prep 5-6 or 7-8

San Jose High

* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Course Offerings

Portuguese IB HL I #2848—2849
11th – 12th Grades Foreign Language Honors
This is the first year of the two-year course sequence necessary for the IB Portuguese Higher Level examination. Oral and written communication is stressed as well as in-depth study of the cultures of the lusophone world, including literature. Students are expected to become very knowledgeable about the structures of the language and to develop the sophisticated academic vocabulary necessary to handle the highest-level material prescribed in the IB syllabus.
Prerequisite: Portuguese Diploma Prep 5-6, 7-8 or Portuguese IB SL
San Jose High
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Portuguese IB HL II #2850—2851
12th Grade Foreign Language Honors
This course is a continuation of Portuguese IB HL I. It provides added preparation for students taking the International Baccalaureate Examination at the higher level. As a continuation of the prerequisite course, students are expected to demonstrate a higher level of understanding and expression of a variety of topics, both orally and in written form.
Prerequisite: Portuguese IB HL I
San Jose High
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish

Spanish 1-2 #2570—2571
9th – 10th Grades Foreign Language
This first year Spanish college preparatory course provides students the opportunity to learn to speak, listen, read and write in the target language in order to develop basic language skills and knowledge needed to be successful if further study of Spanish is desired. Students are introduced to the five goals for foreign language instruction: communication, cultures, connections, comparisons, and communities. These goals are emphasized throughout the course as students learn basic vocabulary related to everyday needs and activities as well as grammatical forms and functions. Accuracy in speaking and writing are emphasized in order to foster a high standard of oral and written communication.
Prerequisite: None
All Schools
* Meets University Entrance Requirements: CSU, UC (“e”)

Spanish 3-4 #2572—2573
10th – 12th Grades Foreign Language
The second year Spanish college preparatory course continues to provide students the opportunity to increase their ability to speak, listen, read and write in the target language in order to complete the San Jose Unified School District graduation requirement for foreign language and to continue to develop language skills and knowledge needed to be successful if further study of Spanish is desired. Students continue to be reminded of the five goals for foreign language instruction: communication, cultures, connections, comparisons, and communities. The goals are emphasized throughout the course as students increase their vocabulary development and understanding of the grammatical forms and functions. Accuracy in speaking and writing is emphasized in order to continue to foster high standards of oral and written communication.
Prerequisite: Spanish 1-2
All Schools
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish 5-6 #2574—2575
11th – 12th Grades Foreign Language
This course reviews, reinforces, and expands grammar and communication skills acquired in Spanish 1-2 and 3-4. Through reading and discussion of literature, history, customs, and geography, students enhance their understanding of the cultures of Spanish-speaking peoples. Virtually all class work and communication are in Spanish.
Prerequisite: Spanish 3-4
Leland, Lincoln, Pioneer, Willow Glen
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish 5-6 Honors #2598—2599
11th – 12th Grades Foreign Language Honors
This course emphasizes the use of the Spanish language for active communication and prepares the student to take AP Spanish Language. Fluency in the four modalities of language is developed throughout the course encouraging bilingualism and biliteracy. Completion of this course ensures that the students have realized the five goals of the Standards for Foreign Language Learning: Communication, Cultures, Connections, Comparisons, and Communities. This course is conducted in Spanish.
Prerequisite: Spanish 3-4
Gunderson, Leland, Pioneer
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish Diploma Prep 5-6 #2802—2803
10th – 12th Grades Foreign Language
This course is designed to prepare students for the International Baccalaureate Spanish certification program. The course focuses on understanding, speaking, reading, writing, and a knowledge of Hispanic cultures. Language structures and the complexities of the language are studied through various sources including Hispanic short stories and legends.
Prerequisite: Spanish 3-4
San Jose High
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Course Offerings

Spanish 7-8 #2576—2577
10th – 12th Grades Foreign Language
This course extends the skills learned in Spanish 1-6. Hispanic literature is studied. The study of Hispanic cultures is also extended. Course work and all communication are in Spanish.
Prerequisite: Spanish 5-6
Gunderson, Leland
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish Native Speakers 1-2 #2620—2621
9th – 12th Grades Foreign Language
This course is designed to improve native speakers’ written and oral fluency in Spanish. It is an introductory course that will give students a total language experience in such areas as vocabulary enrichment, primary writing skills, development of formal writing styles, and literature of the Hispanic world. Students will also study the various ways Spanish is used in the community. In addition, students will learn how to tutor non-native students enrolled in Spanish 1-2 and Spanish 3-4 classes.
Prerequisite: None
Lincoln, Willow Glen
* Meets University Entrance Requirements: CSU, UC (“e”)

Spanish Native Speakers 3-4 #2622—2623
9th – 12th Grades Foreign Language
This course teaches the skills of reading and writing to native speakers of Spanish. Emphasis is placed on language structure, reading, vocabulary, and oral and written expression.
Prerequisite: Spanish for Native Speakers 1-2, or adequate knowledge of the language
Lincoln, San Jose High, Willow Glen
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish Native Speakers 5-6 #2624—2625
10th – 12th Grades Foreign Language
This course is designed to perfect the Spanish of students who, from their Spanish-speaking background or completion of previous courses, already speak and read the language well. The course of study includes the reading and discussion of historical, literary, and cultural materials.
Prerequisite: Spanish for Native Speakers 3-4
Lincoln, Willow Glen
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish for Native Speakers Diploma Prep 5-6 #2804—2805
10th – 12th Grades Foreign Language
This course is designed to perfect the Spanish of students who already speak, read and write the language well in preparation for the International Baccalaureate Spanish program. Emphasis is placed on language structure, reading, vocabulary development, oral and written communication. Historical, literary and cultural materials are read and discussed.
Prerequisite: Spanish for Native Speakers 3-4 or Placement Test
San Jose High
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish for Native Speakers Diploma Prep 7-8 #2806—2807
10th – 12th Grades Foreign Language
This course continues to develop skills learned in Spanish for Native Speakers Diploma Prep 5-6. The course is designed to enhance the Spanish of students who, because of their Spanish-speaking background or completion of previous courses, already speak and read the language well. The course of study includes the reading and discussion of historical, literary, and cultural materials.
Prerequisite: Spanish for Native Speakers Diploma Prep 5-6 or Placement Test
San Jose High
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish IB SL #2808—2809
11th – 12th Grades Foreign Language Honors
This course prepares students to take the written and oral linguistic components of the International Baccalaureate Examination in Spanish. Emphasis is placed on competent academic oral and written expression. Review and development of language structures, and vocabulary are expanded through literature and cultural topics.
Prerequisite: Spanish Diploma Prep 5-6
San Jose High
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish IB HL I #2812—2813
11th – 12th Grades Foreign Language Honors
This course is the first year of a two-year course designed to provide highly motivated students with an intellectual challenge through the advanced study of Spanish literature and language. Students continue to learn to read, analyze, and understand literary texts selected from the International Baccalaureate reading list. Students also learn to develop critical opinions and judgments and to express their ideas in oral and written form, using appropriate literary terminology.
Prerequisite: Spanish Diploma Prep 5-6 or Spanish for Native Speakers 7-8
San Jose High
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Spanish IB HL II #2814—2815
12th Grade Foreign Language Honors
This course is the second year of a two-year course designed to provide the senior student with preparation for the International Baccalaureate Examination in higher level Spanish. The student’s advanced level of reading, writing and oral communication is demonstrated through oral presentations, comprehension of literary selections, written analyses of literary works, and cultural topics based on the IB requirements.
Prerequisite: Spanish IB HLI or Spanish for Native Speakers 7-8
San Jose High
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

AP Spanish Language #2582—2583
11th – 12th Grades Foreign Language Honors
This course emphasizes the use of Spanish language for active communication and prepares the student to take the Advanced Placement Language Examination. This course differs from standard Spanish 7-8 in that it requires additional independent reading and special projects each semester.
Prerequisite: Spanish 5-6
Gunderson, Leland, Lincoln, Pioneer, Willow Glen
* Meets University Entrance Requirements: CSU, UC (“e”, “g”)

Course Offerings

AP Spanish Literature 11th – 12th Grades

This course provides highly motivated students with an intellectual challenge through the advanced study of Spanish literature and language. Students read, analyze and understand literary texts of all genres that are read in the native language. Proficiency in the four language skills is developed to a degree that allows students to read with comprehension at sight. The students learn to formulate and express critical opinions and judgments orally and in writing. They also learn the technique of literary analysis using the appropriate critical terminology.

Prerequisite: *Spanish 7-8 or AP Spanish Language*

Lincoln, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("e", "g")

#2954—2955

Foreign Language Honors

Algebra II with Trig

9th – 12th Grades

In this course students cover in depth all topics listed under Algebra II and additional material on trigonometric relationships including graphs and properties of trigonometric functions and their inverses. Students who intend to take Calculus or IB Math Methods in high school or college should take this course. All California state standards for Algebra II are covered in this course.

Recommended: *Algebra I with a grade of "B" or better*

All Schools

* Meets University Entrance Requirements: CSU, UC ("c")

#4056—4057

Mathematics

Mathematics

Algebra I

9th – 10th Grades

In this course students learn to graph on the coordinate plane, solve linear equations and inequalities, solve systems of equations in two variables, simplify and calculate rational expressions, use radicals, solve quadratic equations and work with polynomials. As students gain understanding of subject matter, they will develop skills in critical thinking and problem solving. This course meets the California state graduation requirement and state standards for Algebra I.

Prerequisite: *None*

All Schools

* Meets University Entrance Requirements: CSU, UC ("c")

#4050—4051

Mathematics

Geometry

9th – 11th Grades

In this course students learn to apply the relationship of similarity, congruence and transformations on angles, triangles, polygons, circles, space figures, and coordinate geometry. In addition students will gain an understanding of the basic properties of geometric figures and angles. The course content emphasizes the use of logic and mathematical proofs. This course covers all California state standards for Geometry.

Prerequisite: *High School Algebra I or Algebra I (HE) with a*

Passing Score on the Exit Exam at the Middle School

All Schools

* Meets University Entrance Requirements: CSU, UC ("c")

#4110—4111

Mathematics

Algebra II

9th – 12th Grades

In this course students expand their knowledge of first year algebra concepts. Students also learn to: solve absolute value equations and inequalities, calculate and solve with complex numbers, use sequences and series, calculate binomial probability, identify and graph conic sections, and solve exponential and logarithmic functions. Students continue to develop advanced skills in critical thinking and problem solving. This course covers all California state standards for Algebra II.

Prerequisite: *Algebra I and Geometry*

All Schools

* Meets University Entrance Requirements: CSU, UC ("c")

#4052—4053

Mathematics

Pre Calculus

9th – 12th Grades

In this course, the student uses previously learned math concepts to analyze and solve real-world problems. Topics included are polynomial functions, theory of equations, trigonometric functions, sequences and series, exponential and logarithmic functions, parametric equations, vectors and polar coordinates. Special focus is placed on using computers and graphing calculators as problem-solving tools.

Prerequisite: *Geometry and Algebra II or Algebra II with Trig*

Recommended: *Algebra II or Algebra II with Trig with a grade of "C" or better*

All Schools

* Meets University Entrance Requirements: CSU, UC ("c", "g")

#4060—4061

Mathematics

Pre Calculus Honors

9th – 12th Grades

This honors course is the gateway to college-level mathematics. It covers the same topics as Pre Calculus, advanced trigonometry, and analytical geometry. Students begin their study of calculus by learning about limits, derivatives, maximum and minimum graphing, optimization, and rates of change applications. Special focus is placed on using computers and graphing calculators as problem-solving tools.

Recommended: *Geometry and Algebra II with Trig with a grade of "B" or better*

Gunderson, Leland, Lincoln, Pioneer, San Jose High, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("c", "g")

#4062—4063

Mathematics Honors

AP Statistics

11th – 12th Grades

This is a college-level course in the statistics used to describe and make inferences from data. Numerical data and statistics are used in almost every discipline, especially in the social sciences, business, and engineering. Students who take and pass the Advanced Placement Statistics exam may earn college credit. A graphing calculator is required.

Recommended: *Algebra II with a grade of "C" or better*

Leland, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("c", "g")

#4074—4075

Mathematics Honors

AP Calculus AB

11th – 12th Grades

In this course students cover one semester of college Calculus. The College Board determines topics covered. Students who take and pass the Advanced Placement Calculus AB exam may earn college credit. A graphing calculator is required.

Recommended: *Pre Calculus or Pre Calculus Honors with a grade of "B" or better*

Gunderson, Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("c", "g")

#4068—4069

Mathematics Honors

Course Offerings

AP Calculus BC

11th – 12th Grades

In this course students will cover one year of college Calculus. The College Board determines topics covered. Students who take and pass the Advanced Placement Calculus BC exam may earn college credit. A graphing calculator is required.

Recommended: Pre Calculus or Pre Calculus Honors with a grade of “B” or better

Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“c”, “g”)

#4070—4071

Mathematics Honors

Mathematical Studies IB SL

11th – 12th Grades

This IB Standard Level course emphasizes the practical application of mathematics in computation, data analysis, statistics, finance, and problem solving. Course work draws from the student's background in algebra, geometry, and trigonometry with options to go onto Discrete Mathematics, Statistics, or Calculus. The class has a project that challenges the students' ability to use mathematics in a practical application.

Prerequisite: Algebra II with Trig

San Jose High

* Meets University Entrance Requirements: CSU, UC (“c”, “g”)

#4310—4311

Mathematics

Mathematical IB SL

11th – 12th Grades

This International Baccalaureate Standard Level course consists of a full academic year of work in differential and integral calculus and related topics including statistics, vectors, probability, and matrices. The course work is comparable to courses offered in colleges and universities. Students prepare for the IB Standard Level Mathematics Examination as well as the Advanced Placement Calculus AB Examination. Students must have access to a graphing calculator.

Prerequisite: Pre Calculus

San Jose High

* Meets University Entrance Requirements: CSU, UC (“c”, “g”)

#4308—4309

Mathematics

Mathematical IB HL I and II

11th – 12th Grades

Intended for students with good background and ability in mathematics, this higher-level International Baccalaureate course follows the subsidiary level course. Students prepare for the IB syllabus topics of vectors, matrices, geometry, trigonometry, probability and an optional topic.

Prerequisite: Mathematics IB SL or Pre Calculus

San Jose High

* Meets University Entrance Requirements: CSU, UC (“c”, “g”)

#4312—4315

Mathematics Honors

Senior Mathematic Applications and Concepts #4112—4113

12th Grade

Elective

This elective math course is intended for seniors who have recently completed Algebra II, and serves to unify concepts from previous mathematical studies and assists students in clarifying their conceptual understanding of Algebra and Geometry. The topics included in this course are those identified by the California State University System as essential entry-level skills necessary for successful completion of a four-year degree. The course will focus on concepts involving number sense, both linear and non-linear algebra and geometry. Upon completion of the course students will be prepared to meet the challenge of the ELM exam offered by the CSU and the Community College system.

Prerequisite: None

Pioneer

Physical Education

Physical Education: Course 1

9th Grade

#5042—5043

Physical Education

This course provides the foundation for lifelong physical activity. Students develop proficient movement skills in each area of physical education; they expand their capabilities for independent learning; and they examine practices that allow for sound decision making to enhance successful participation in movement skills. This course includes aquatics, dance, individual and dual sports. Students must take and pass the California Physical Fitness Test (Fitnessgram).

Prerequisite: None

All Schools

Physical Education: Course 2

10th – 12th Grades

#5044—5045

Physical Education

This course continues the foundation for lifelong physical activity. Students develop proficient movement skills in each area of physical education; they expand their capabilities for independent learning; and they examine practices that allow for sound decision making to enhance successful participation in movement skills. This course includes combative, gymnastics/tumbling and team sports.

Prerequisite: None

All Schools

Weight Lifting

11th – 12th Grades

#5058

Elective

This course deals with body development through the lifting of weights. It also covers knowledge of the human body as it relates to lifting, diet, and body physiology.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer, San Jose High, Willow Glen

Power Lifting

11th – 12th Grades

#5059

Elective

Power lifting is the utilization of heavy weights in developing the most important muscle groups used in competition or everyday life. The foundation of strength and power is centered in the hips and legs. Power lifting develops the strength necessary to generate summation of force in activities such as blocking, tackling, throwing, jumping, and running.

Prerequisite: None

Leland, Lincoln, Pioneer, San Jose High, Willow Glen

Course Offerings

Aerobic Dance #5068—5069
11th – 12th Grades Elective
 This course deals with synchronized exercise through body movement performed to music. Aerobic dance emphasizes cardiovascular conditioning through dance and exercise.
Prerequisite: Audition
 Lincoln

Dance #5070—5071
9th – 12th Grades Elective
 This course is a combination of aerobic, modern, and jazz dance. It is designed to teach physical conditioning, the basic elements of dance, and specific modern and jazz techniques. Students learn dance sequences choreographed by the teacher and have an opportunity to create their own dances.
Prerequisite: None
 Lincoln, San Jose High, Willow Glen

Intermediate Dance #5302—5303
9th – 12th Grades Elective
 This is a jazz based dance class in which students also study tap, ballet, modern, ethnic, and musical theater dance. Students build upon the skills learned in beginning dance through the introduction of more difficult techniques.
Prerequisite: None
 Lincoln

Dance Advanced #5076—5077
9th – 12th Grades Visual/ Performing Arts 11-12 Elective 9-10
 This class is a faster paced program than the beginning dance course. Combinations in ballet, jazz, and modern dance are taught with an emphasis on perfecting technique. The course includes a study of historical dance forms and the place of dance in traditional cultures. Students accepted for dance performance meet for class daily, and in addition, are required to rehearse a variety of dance routines for a minimum of 10 hours per week. Performance is a major component of this course.
Prerequisite: Audition
 Lincoln, Pioneer, San Jose High, Willow Glen
 * Meets University Entrance Requirements: CSU, UC ("f","g")

Dance Folklorico #5072—5073
9th – 12th Grades Elective
 This course focuses on the different dance styles of Mexico. Two or three regions are highlighted each year. Students become thoroughly acquainted with the dance techniques, music, history, and culture of each region. As this is a performance class, technique is stressed.
Prerequisite: Audition
 Lincoln, San Jose High

Advanced/ Performance Folklorico #5306—5307
9th – 12th Grades Visual/ Performing Arts 11-12 Elective 9-10
 This course is for students who have achieved a high level of Folklorico dance technique. Its purpose is to allow students to work closely as part of a group that performs. This class requires serious commitment, extended rehearsal time and good physical stamina. Students will work on body awareness, muscle control and proper body alignment. Students will learn new and traditional Mexican dances along with their historical and cultural contexts, attend master dance classes and work with guest choreographers. Their participation in performances is part of the requirement for this class. They must critically assess themselves and others and provide appropriate analysis of performances. Creative expression is a major component of the course.
Prerequisite: Audition
 Lincoln, San Jose High
 * Meets University Entrance Requirements: CSU, UC ("f","g")

Advanced/ Performance Dance #5304—5305
9th – 12th Grades Visual/ Performing Arts 11-12 Elective 9-10
 This class includes all elements taught in advanced dance. Its purpose is to allow the student to work closely as part of a group to perform and compete. It requires serious commitment, extended rehearsal time and good physical stamina. Students in this class must have achieved a high level of dance technique and have a firm grasp of the historical and cultural context of different dance forms. They must critically assess one another and provide appropriate comments to teammates. They work as a competitive team and must be committed to perfecting their dance skills and rehearsing extra hours throughout the year. Creative expression is a major component of this course.
Prerequisite: Audition
 Lincoln
 * Meets University Entrance Requirements: CSU, UC ("f","g")

Spirit #5090—5091
9th – 12th Grades Elective
 This course is for students who are members of the Spirit Squad. Students participate in physical conditioning activities and learn routines to perform at games and other school functions. The members of the Spirit Squad learn a broad repertoire of choreographed cheers, songs, and dances; they also play an important role in creating school spirit and enthusiasm.
Prerequisite: A GPA of 2.0 or better and audition
 All Schools

Physical Education/Athletics #5200—5201
9th – 12th Grades Elective
 Physical Education credit awarded with pre-approved exemption
 Students participate in activities and sports designed to promote general conditioning. Learning experiences are designed to promote growth, development, health, fitness, and team spirit. Students develop competency in selected sports and are encouraged to participate in a wide variety of interscholastic sports offered to both boys and girls.
Prerequisite: A GPA of 2.0 or better
 All Schools

Course Offerings

Science

Earth Science 1-2 9th – 12th Grades

#5680—5681
Science

This one-year course covers the physical processes that shape the earth. The subject matter includes crystallography, mineral and rock classification, weathering, erosion, plate tectonics, the structure and composition of the atmosphere, heat transfer, temperature and pressure belts, humidity, cloud formation, the star life cycle, the solar system, environments of the planets, and the moon as it affects the earth.

Prerequisite: None

Gunderson

* Meets University Entrance Requirements: CSU, UC ("g")

Integrated Science 1-2 9th Grade

#5910—5911
Science

In this foundational course, students extend and integrate their understanding of physical, life, and earth science concepts. Areas of study include: the nature of science, matter and energy, earth processes, atmosphere and oceans, ecology and evolution, electricity and magnetism. Students take an in-depth look at how the physical and biological worlds are interconnected and function as systems that are part of a larger global system. They explore how energy flows and matter cycles within and between systems to support a networked web of life. Laboratory activities promote skill in scientific investigation processes and in the use of scientific tools and techniques. Exploring real-world problems, students learn to think scientifically, make decisions, and communicate effectively about scientific knowledge and processes. This course provides ninth grade students with a foundation for subsequent college preparatory science courses.

Prerequisite: None

Gunderson, *Lincoln

* This course will include the mandatory State Requirement in Health.

* Meets University Entrance Requirements: CSU, UC ("g")

Biology 1-2 9th – 12th Grades

#5540—5541
Science

In this first-year course students learn the fundamental concepts and principles of biology. Students investigate living systems: their structures, functions and processes, relationships, continuity and changes, and their unity and diversity. Topics include the chemistry of life, cell biology, matter and energy in living systems, genetics and genetic engineering, evolution, ecology, human physiology and health. Laboratory activities reinforce science concepts and develop scientific investigation and experimentation skills. This course provides foundational knowledge and skills that may be prerequisite for subsequent science courses.

Prerequisite: Algebra I

All Schools, *San Jose High

* This course will include the mandatory State Requirement in Health.

* Meets University Entrance Requirements: CSU, UC ("d", "g")

Biology 1-2 Honors 9th – 12th Grades

#5544—5545
Science

This rigorous course addresses the major topics addressed in Biology 1-2, but emphasizes the biochemical processes of living systems. Students study molecular organization, physiology of cells, the cell's use of energy and associated metabolic reactions, and processes that maintain cellular stability in changing internal/external environments. The molecular structure/function of DNA, and biochemistry of protein synthesis and gene expression are examined as well as patterns of inheritance, genetic mutation/variation, and the flow of matter/energy through ecological systems. Quantitative/qualitative lab investigations reinforce understanding of the chemistry of water, organic cell compounds, reproduction, heredity, evolution, and biotechnological advances.

Prerequisite: Algebra I and one year of a laboratory science course

Gunderson, Lincoln, San Jose High, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("d", "g")

11-12 Biology Honors 1-2 11th – 12th Grades

#5546—5547
Science Honors

This rigorous course addresses the concepts and principles of modern molecular biology. Major topics of Biology 1-2 are covered with emphasis on the complex biochemical processes of living systems. Building on their knowledge of chemistry, students study the molecular organization and physiology of cells, the cell's use of energy and associated metabolic reactions, and processes that maintain cellular stability in changing internal and external environments. Laboratory investigations develop students' ability to design and conduct experiments, analyze data, and write comprehensive reports on their findings. This course prepares students for advanced high school science courses and those who intend to choose science as a major in college.

Prerequisite: Completion of Chemistry 1-2 or Chemistry 1-2 Honors and concurrent enrollment in Algebra II or higher Leland

* Meets University Entrance Requirements: CSU, UC ("d", "g")

AP Biology 11th – 12th Grades

#5920—5921
Science Honors

Advanced Placement Biology is an academically challenging class taught at the college level and is equivalent to the first year biology class (for majors) offered at most universities. Students use a college level text, complete college level units, including labs, as they explore the exciting world of biology. At the end of the year students can choose to take the Advanced Placement Exam in biology, and if they pass, may earn up to one full year of college credit in biology.

Prerequisite: Academic "Full Year" course in Biology 1-2 and Chemistry 1-2

Gunderson, Leland, Lincoln, Pioneer, *Willow Glen

* Meets University Entrance Requirements: CSU, UC ("d", "g")

* Offered in alternate years

Course Offerings

Biology IB HL I

11th – 12th Grades

This course is equivalent to a freshman-year university biology course. Major topics include the biochemical basis of life, including water, carbohydrates, proteins, enzymes, and nucleic acids; energy relationships, including the laws of thermodynamics; and reproduction, heredity, variation, ecology, evolution, and behavior. Extensive time will be spent in laboratory investigations that reinforce these topics. The higher-level studies in biology are undertaken at a variety of levels, from the molecular to that of the biosphere, each with its own distinctive approaches and methods.

Prerequisite: Biology 1-2 and Chemistry 1-2, and concurrent enrollment in Algebra II or higher

San Jose High

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5808—5809

Science

Zoology 1-2

10th – 12th Grades

Zoology is a college preparatory science course that involves the study of invertebrate and vertebrate animals. Selected organisms are each examined from a taxonomic, anatomical, physiological, evolutionary, and ecological perspective. Strong emphasis is placed on comparative anatomy and physiology. Observations of living organisms and dissection of preserved organisms are part of the expected laboratory experience. The unity and diversity of animal life and the manner in which structure and function complement each other are basic themes. Students consider evolutionary relationships among animals and develop a hypothesis for the developmental sequence of the animal kingdom and phyla. Coursework promotes scientific investigation, scientific thinking and communication skills.

Prerequisite: Algebra I and one year of a laboratory science course.

Leland

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5550—5551

Science

Biology IB HL II

12th Grade

This course of study is a continuation of the first-year Biology IB HL I with greater emphasis on advanced laboratory experiences. This course provides the opportunity for scientific study and creativity with a global context that will stimulate and challenge students. Students will focus on the techniques that characterize science and technology while developing an ability to evaluate and synthesize scientific information. This course addresses the moral, ethical, social economic and environmental implications of science and technology. Topics include Ecology and Conservation, Evolution, Human Health and Physiology. This class prepares the student for the International Baccalaureate Exam in Biology. The student may earn college credit in Biology by passing the exam.

Prerequisite: Biology IB HL I

San Jose High

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5810—5811

Science Honors

Marine Biology 1-2

10th – 12th Grades

This second-year biology course builds upon and extends biological concepts developed during the first year. Students take an in-depth look at the physical, chemical, and geological characteristics of the world's oceans. They then investigate the structure, functions, behaviors, adaptations, and classification of a variety of plant and animals that live in the marine environment. Students learn how energy flows and matter cycles through the Earth's ocean system and they investigate the impact of humans on that system. Laboratory activities include dissection, experimentation, data collection, and data analysis that develop scientific investigation and scientific thinking skills.

Prerequisite: Biology 1-2 and concurrent enrollment in or completion of Geometry or higher

Gunderson, Lincoln

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5750—5751

Science

Physiology 1-2

11th – 12th Grades

In this laboratory science course, students study the anatomy and physiology of the human body. Students also develop an understanding of the structure, function, and relationships of body systems. Topics include cell physiology and the structural and functional organization of the human body systems: skeletal and muscular systems, nervous system and senses, circulatory system, respiratory system, endocrine system, integumentary system, digestive system, and the reproductive system. The study of other organisms is often included to complement student understanding of the human body. Laboratory investigations include dissection, microscopic observation, and testing the capabilities of the various body systems.

Prerequisite: Algebra I and a year of a laboratory science course, Biology recommended.

Gunderson, Leland, Lincoln, Pioneer, San Jose, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5560—5561

Science

Chemistry 1-2

10th – 12th Grades

In this course students learn and apply the fundamental concepts and principles of chemistry. Areas of study include: changes in matter and energy, atomic theory and molecular structure, chemical bonding, chemical reactions, conservation of matter and stoichiometry, states of matter, gases and their properties, solutions, acids and bases, reaction rates, chemical equilibrium, organic chemistry, and nuclear processes. Students conduct laboratory investigations to test and apply their understanding of chemical principles and solve problems related to chemical systems. Students develop skills for using scientific tools, techniques, and the investigative processes of science. This course prepares students for advanced high school science courses and for a concentration in science at the college level.

Prerequisite: One year of a laboratory science and concurrent enrollment in or completion of Geometry or higher

All Schools

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5600—5601

Science

Course Offerings

Chemistry in the Community 11th – 12th Grades

#5610—5611
Science

In this first-year course the core concepts of chemistry are organized around societal issues such as environmental pollution, nutrition, energy sources, resources, and industrial products and processes. Topics include: atomic and molecular structure, bonding, chemical reactions and equations, stoichiometry, solutions, gases, kinetics and equilibrium as well as nuclear, organic and biochemistry. Students address community concerns as they gather chemical information, participate in laboratory activities, strengthen problem-solving skills, and make chemistry-based decisions that are relevant to themselves and their community. This is a chemistry course for a student who plans to attend college as a non-science major.

Prerequisite: *One year of a laboratory science and Algebra I*

Gunderson, Pioneer

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

Chemistry Honors 1-2 11th – 12th Grades

#5604—5605
Science Honors

This is a rigorous first-year course that addresses the concepts and principles of chemistry in greater depth than the Chemistry 1-2 course. Emphasis is placed on quantitative analysis of complex problems in chemical systems. Areas of study include: matter and energy, atomic theory, molecular structure, periodic law, chemical bonding, chemical reactions, stoichiometry, kinetics, gases and their properties, solutions, acids and bases, thermochemistry, reaction rates, chemical equilibrium, organic and biochemistry, and nuclear processes. Students conduct laboratory investigations to test and apply chemical principles and to develop investigation and experimentation skills. This course prepares students for advanced high school science courses and for a concentration in science at the college level.

Prerequisite: *Biology 1-2, Algebra I and concurrent enrollment in Geometry or a higher-level math*

Gunderson, Leland, Lincoln, Pioneer, San Jose High, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

AP Chemistry 11th – 12th Grades

#5608—5609
Science Honors

This advanced placement chemistry course is designed to be the equivalent of the general chemistry course taken during the first year of college. Topics include inorganic chemistry (structure and bonding), nuclear chemistry, physical chemistry (laws of thermodynamics, chemical equilibria, chemical kinetics, redox reactions), and analytical chemistry. Students may have an opportunity to use the laboratory facilities at local universities. At the end of the year students can choose to take the Advanced Placement Exam in Chemistry, and if they pass, may earn up to one full year of college credit in Chemistry.

Prerequisite: *Biology 1-2, Chemistry 1-2, completion or concurrent enrollment in Algebra II*

Gunderson, Leland, Lincoln, Pioneer, *Willow Glen

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

* Offered in alternate years

Chemistry IB HL I 11th – 12th Grades

#5814—5815
Science

This higher-level class is the first of a two-year course that is equivalent to a freshman year university chemistry course. Sixty hours of laboratory work are required. In the lab, emphasis is placed on research techniques. Topics covered in this course are atomic theory, the Mole concept, chemical formulas, chemical equations, energy changes during chemical reactions, physical behavior of gases, chemical behavior of gases, the periodic table, the Bohr model of the atom, the quantum mechanical atom, bonding, liquids and solids, water solutions, organic chemistry, biochemistry, acids and bases, solubility, oxidation, and electrochemistry.

Prerequisite: *Biology 1-2, Chemistry 1-2, completion or concurrent enrollment in Algebra II or higher*

San Jose High

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

Chemistry IB HL II 12th Grade

#5816—5817
Science Honors

This course of study is a continuation of the first-year Chemistry IB HL I with greater emphasis on laboratory experiences and more rigorous problem-solving techniques. This course provides the opportunity for scientific study and creativity with a global context that will stimulate and challenge students. Students will focus on the techniques that characterize science and technology while developing an ability to evaluate and synthesize scientific information. The Chemistry IB HL II course is designed to be the equivalent of the General Chemistry course taken during the first year of college. Topics include Atomic Structure, Periodicity, Bonding, Energetics, Kinetics, Equilibrium, Acids and Bases, Oxidation and Reduction, Organic Chemistry, Environmental Chemistry, and Drugs and Medicine. This class prepares students for the International Baccalaureate Exam in Chemistry. The student may earn college credit in Chemistry by passing the exam.

Prerequisite: *Chemistry IB HL I*

San Jose High

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

Conceptual Physics 1-2 10th – 12th Grades

#5588—5589
Science

This introductory course is a qualitative study of the central concepts of physics. Students build conceptual understanding of physics in terms that are practical and relevant to the world around them. Topics include: matter and energy, mechanical forces, fluid and thermodynamics, electromagnetism, nuclear physics, and relativity. Student activities emphasize visualization, comprehension, and application of concepts before introducing mathematical descriptions and problems. Laboratory work develops proficiency in scientific investigation and problem-solving skills. This course prepares students for more advanced and quantitative college preparatory physics courses. It is also recommended for students who will elect a non-science major in college.

Prerequisite: *Algebra I*

Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

Course Offerings

Physics 1-2

11th – 12th Grades

This is an introductory course in which students learn the fundamental concepts and principles of physics. Areas of study include motion and forces, matter and energy, heat and thermodynamics, wave energy, electricity and magnetism, and atomic and nuclear physics. Through laboratory investigations students observe, test and apply physical principles and develop skills for using scientific tools and techniques. Students apply mathematics to measuring, collecting and analyzing data, and solving problems related to physical phenomenon. Students develop a practical understanding of physical events and how their occurrence can be predicted. This course will prepare students for advanced high school physics courses and for a concentration in science at the college level.

Prerequisite: *Biology 1-2, Chemistry 1-2, and concurrent enrollment in Pre Calculus or higher*

All Schools

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5582—5583

Science

AP Physics B

11th – 12th Grades

This course is a college level physics course that provides a systematic introduction to the general principles of physics through conceptual understanding and problem-solving using algebra and trigonometry. The basic ideas of calculus may be introduced in the theoretical development of some physical concepts such as acceleration and work. This course covers a broad range of topics in classical and modern physics and serves as the basis for more advanced work in the life sciences, medicine, or as a science general education requirement in a non-science college program. This intensive laboratory-oriented course is directed toward developing student proficiency in investigative problem solving and the application of fundamental principles in a variety of situations. Students document their laboratory experiences and collect evidence of laboratory work. Students use a college level text to prepare for the AP Physics B examination, which if passed, may earn college credit.

Prerequisite: *Completion of Physics 1-2 and Pre Calculus*

Leland, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5592—5593

Science Honors

Physics 1-2 Honors

11th – 12th Grades

This is a laboratory-intensive science course dealing with mechanics/heat, waves, electricity/magnetism, and nuclear physics. This course requires a high level of mathematical reasoning skills. An original research project to be entered in the Santa Clara Valley Science and Engineering Fair is a requirement of the course. The course is particularly recommended for students considering a science or engineering major in college.

Prerequisite: *Biology 1-2, Chemistry 1-2, and concurrent enrollment in Pre Calculus or higher*

Leland, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5590—5591

Science Honors

Man and the California Environment (Ecology)

10th – 12th Grades

This class explores populations, communities and ecosystems. General ecological theory is presented with special emphasis on local ecology, mankind's relationship with his environment and his role in current environmental problems. Students learn about the structure and function of earth's natural life support systems and of man's threat to the quality of the natural environment. Experiments, development of lab techniques, data interpretation, science lab report writing and problem solving are emphasized.

Prerequisite: *Biology 1-2 and Chemistry 1-2*

Pioneer

* Meets University Entrance Requirements: CSU, UC (“g”)

#5682—5683

Science

Physics IB HL I

9th – 12th Grades

Physics is designed to introduce students to the laws of physics, the experimental skills required in physics, and the social and historical aspects of physics as an evolving body of human knowledge about nature. Course topics at both levels include: measurement; mechanics; thermal physics and properties of matter; waves; electricity and magnetism; and the atomic and nuclear physics. Students perform practical (laboratory) work that covers a range of topics and skills, including a multidisciplinary science group project.

Prerequisite: *Biology 1-2, Chemistry 1-2, and completion or concurrent enrollment in Algebra II or higher*

San Jose High

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5828—5829

Science

AP Environmental Science

11th – 12th Grades

AP Environmental Science is a college level class designed for students who have completed Biology and Chemistry and who are contemplating a major in science. This is a yearlong course equivalent to a one-semester college course in Environmental Science. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Prerequisite: *Biology 1-2 and Chemistry 1-2*

Gunderson, Leland, Pioneer

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5528—5529

Science Honors

Physics IB HL II

10th – 12th Grades

This course of study is a continuation of the first-year Physics IB HL I with greater emphasis on advanced laboratory experiences and more rigorous problem-solving techniques. This course provides the opportunity for scientific study and creativity with a global context that will stimulate and challenge students. Students will focus on the techniques that characterize science and technology while developing an ability to evaluate and synthesize scientific information. The IB Physics course is designed to be the equivalent of the General Physics course taken during the first year of college. Topics include Astrophysics Communications, Electromagnetic Waves, Relativity, Medical Physics, and Particle Physics. The class prepares the student for the International Baccalaureate Exam in Physics. The student may earn college credit in Physics by passing the exam.

Prerequisite: *Physics IB HL I*

San Jose High

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

#5830—5831

Science Honors

Engineering Science Technology 1-2

10th – 12th Grades

Engineering Science Technology prepares a student for the technological world. It is a Tech Prep course. Mechanical, Fluid, Electrical and Thermal systems are studied primarily through hands-on student labs. Computer usage and problem solving are emphasized. This is a practical course that relates the principles of applied physics to the real world.

Prerequisite: *One year of a laboratory science course and Algebra I*

Willow Glen

* Meets University Entrance Requirements: CSU, UC (“g”)

#5570—5571

Science

Course Offerings

Robotics and Technology 10th – 12th Grades

#5914—5915
Science

In this yearlong laboratory science course, students learn and apply physical science concepts to the design and construction of a variety of mechanical, electrical and robotic devices. The principles of motion, mechanics, work, energy, power, electricity, and computer control of electrical circuits are investigated and tested. Students learn to think scientifically as they identify problems, propose and test solutions, and gather, interpret and analyze data. Working on engineering teams, students construct a competition robot that successfully completes several specified tasks. Through this hands-on study of robotics and technology, students gain experience in the engineering process and learn about related careers. Issues related to how science and technology have impacted society and the environment are also investigated.

Prerequisite: a one-year laboratory science course and

Algebra II

San Jose High

* Meets University Entrance Requirements: CSU, UC (“d”, “g”)

Social Science

World Geography 1-2 9th Grade

#6100—6101
World History

This course is designed to give students an understanding of the interrelationship between physical and human geography. Emphasis is placed on map reading skills, geographic definitions, current environmental issues, the analysis of and the comparison among the world's basic cultural realms.

Prerequisite: None

Gunderson, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

World History/Cultures 1-2 9th – 10th Grades

#6086—6087
World History

This one-year course provides an introduction to the geography, history, and the cultures of the world. The focus of the course is a study of major turning points in the shaping of the modern world. Activities in this course, such as map reading and the use of charts and diagrams, are skill-oriented and help the student develop a global awareness.

Prerequisite: None

Leland, San Jose High

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

World History/Cultures 3-4 10th Grade

#6092—6093
World History

This course for tenth graders focuses on the study of major turning points in the shaping of the modern world from the late eighteenth century to the present. Activities in this course are skill-oriented and help the student to understand the growing interdependence of people and cultures throughout the world.

Prerequisite: None

All Schools

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

World History/Cultures Accelerated 3-4 10th Grade

#6094—6095
World History

This course for tenth graders examines major turning points in the shaping of the modern world from the late eighteenth century to the present. Emphasis is also placed on current world issues and the growing interdependence of people and cultures throughout the world. This accelerated course stresses research, analysis, and writing.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

AP World History 10th – 12th Grades

#6184—6185
World History Honors

AP World History is an academic yearlong course with an emphasis on non-Western history. The course relies heavily on college level texts, primary source documents, and outside readings. The course traces the development of world history from the emergence of cities to the present, focusing on the period after 1000 C.E., and emphasizes the analytical and writing skills necessary for success in a college-level history course. Considerable time will be given to the critical evaluation of primary and secondary sources, analysis of historiography, oral presentations, short essays, a major research paper, and the development of a document-based question.

Prerequisite: Completion of the San Jose Community College

application process

Willow Glen

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

U.S. History 1-2 11th Grade

#6220—6221
History

This course offers a study of the political, institutional, social, economic, and cultural development of the United States with primary emphasis on concepts, movements, and cultural pluralism. In this course, students examine major turning points in American history in the twentieth century. The course stresses American institutions, ideals, and critical thinking.

Prerequisite: None

All Schools

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

U.S. History Accelerated 1-2 11th Grade

#6226—6227
History

In this course, students will study the historical development of American social, economic, and political life. Students are expected to acquire the knowledge and the analytical skills necessary to create generalizations and make interpretations that are firmly rooted in historical evidence. Essay writing is stressed.

Prerequisite: None

Leland

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

AP United States History 11th Grade

#6624—6625
History Honors

This U.S. History Advanced Placement course begins with the colonial period of American history and continues chronologically through the present. This course focuses on research, analysis, and writing with the aim of preparing students for the College Board's Advanced Placement Exam in American History.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

Course Offerings

History IB HL I 11th Grade

#6402—6403
History

The first year of the History of the Americas incorporates comparative studies of the independence movements and the problems of the emerging nations of the Americas during the 18th and 19th centuries. Additional studies include the treatment of minorities in society and the constitutional guarantees of the U.S. Bill of Rights. Emphasis is on developing the expository reading, speaking, and writing skills necessary for success on the HL examination. A practice internal assessment guided study project is undertaken during the second semester.

Meets District and State standards for U.S. History 1-2

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

History of the Americas IB HL II 12th Grade

#6404 Economics Honors
#6405 Government Honors

The second year of this higher-level history course continues the historical study of the Americas in preparation for the IB Higher Level History Exam and required internal assessment. Topics covered include Latin American history and 20th Century United States history. Emphasis will be on the nature of history as a discipline, the nature and variety of historical sources and the historian’s methods. Students also will complete comparative studies in government and economics.

Meets District and State standards for American Government and Economics

Prerequisite: History IB HL I or US History 1-2

San Jose High

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

AP European History 10th – 12th Grades

#6182—6183
World History Honors

This course presents an intensive thematic study of European civilization from the early 15th century to the present. The development of European civilization is described and analyzed with special emphasis on preparation for the Advanced Placement Examination. European History Advanced Placement is a broad study of the political, intellectual, economic, social, cultural, and diplomatic factors involved in the development of European civilization.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

Economics I 12th Grade

#6010
Economics

In this one semester course, students deepen their understanding of the economics problems and institutions of the nation and the world. They learn to make reasoned decisions on economic issues as citizens, workers, consumers, business owners, and members of civic groups. Throughout this course, measurement concepts and methods such as tables, charts, graphs, ratios, and index numbers are used. Topics covered include the basic concepts of scarcity, choices, economic efficiency, comparative economic systems, microeconomics, macroeconomics, and international economics.

Prerequisite: None

All Schools

* Meets University Entrance Requirements: CSU, UC (“g”)

Economics Honors 12th Grade

#6014
Economics

Through this course, students learn the basic concepts of production, distribution, and consumption as they study the relationships between scarcity, choice, and costs. With that foundation, students investigate and examine the nature and functions of product and factor markets as well as government intervention in a competitive market. Lastly, students become familiar with economic performance measures, economic growth, fiscal and monetary policies, and international economics.

Prerequisite: None

Lincoln

* Meets University Entrance Requirements: CSU, UC (“g”)

Economics IB SL 12th Grade

#6316 Government Honors
#6317 Economics Honors

Economics International Baccalaureate deals with how people adjust their unlimited wants and needs to the scarce supply of resources available. Students learn what tools are available to the economist and how they may be used in the study of the American and other economic systems. Students work on study skills, analysis, and writing. Additional emphasis is placed upon international economics. This course helps to prepare students for the I.B. Examination in economics. The course also emphasizes comparative governments and their economic systems with an in-depth focus on the U.S. government and the Constitution.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC (“a”, “g”)

AP Macroeconomics 12th Grade

#6024
Economics Honors

This course is concerned with basic macro economic concepts. It places emphasis on the study of aggregate demand and supply, national income and price determination, economic performance measures, economic growth, and international economics. Attention is given to basic analytical tools such as equations, graphs, charts, and tables, which are found in both economics and government. The College Board Advanced Placement Handbook determines the course content.

Prerequisite: None

Leland, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“g”)

Course Offerings

American Government 12th Grade

This one semester course is designed to provide students with an understanding of the American governmental system. Basic philosophic principles and ideals of democracy, representative government, civil liberties, and civil rights are studied and analyzed. The United States federal government, California state government, Santa Clara county government, and San Jose city government are studied with special attention directed to the structure, powers, and problems of each.

Prerequisite: None

All Schools

* Meets University Entrance Requirements: CSU, UC ("a", "g")

#6240

Government

AP Psychology 11th – 12th Grades

This course introduces students to a diverse field that seeks to explain, describe, predict and influence behavior, cognition, emotion and physiology. The psychologist, David Myers, wrote that the study of psychology "enhances our abilities to restrain intuition with critical thinking, judgmentalism with compassion, and illusion with understanding." Each student is encouraged to think critically about his/her everyday life. Students will gain a greater understanding of how and why people think, feel and act as they do in adapting to their everyday environment.

Recommended: Grade of a "C" or better in English/Language Arts

Lincoln, Pioneer

* Meets University Entrance Requirements: CSU, UC ("g")

#6052—6053

Elective Honors

American Government Honors 12th Grade

This semester course outlines America's system of government, its historical roots, and its current challenges. It includes an in-depth study of the functions and power relationships of governments at the federal and state levels. Students are expected to share their research and findings with the class.

Prerequisite: None

Leland

* Meets University Entrance Requirements: CSU, UC ("a", "g")

#6244

Government Honors

American Justice System

9th – 12th Grades

This course is designed to teach students the foundation for and processes of the American Justice system. The students examine the rights of the individual balancing collective rights with social responsibility. The students analyze cases that have contemporary significance to facilitate their understanding of the dynamics and impact of law. The in-depth analysis includes student portrayal of counsel, witnesses, court clerks and bailiffs as they study a hypothetical case produced and sponsored by the Constitutional Rights Foundation and the California State Department of Education. The State Bar of California, the California Young Lawyers Association, and the Daily Journal Corporation program sponsor this program. Students conduct legal research and receive guidance from volunteer attorneys in courtroom procedure and trial preparation. Through the study and application of basic law, students will develop critical thinking, oral and written skills.

Prerequisite: None

Gunderson, Leland, Lincoln, Pioneer, San Jose High

#6258—6259

Elective

AP United States Government and Politics

12th Grade

Government Honors

This semester course is a study of the basic beliefs and ideals that underlie American democracy; its historical roots; and how its legal, governmental, and economic institutions affect public policy at the local, state, national, and international levels. Special emphasis is given to preparing the student for the College Board's Advanced Placement Test in American Government.

Prerequisite: None

Gunderson, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("a", "g")

#6250

Visual and Performing Arts

Theory of Knowledge IB 1-2

12th Grade

#6400—6401

Elective

This course examines certain epistemological issues, the views of the great thinkers, the investigatory methodologies of various disciplines, and the process of inquiry. Its purpose is to stimulate critical reflection upon the knowledge and experience of students in and out of the classroom. It is a required course for all International Baccalaureate Diploma Candidates.

Prerequisite: None

San Jose High

* Meets University Entrance Requirements: CSU, UC ("g")

Art

AP Studio Art: 2-D Design

10th – 12th Grades

#1234—1235

Visual & Performing Arts Honors

This course meets College Board Advanced Placement requirements. It enables students to develop proficiency in two-dimensional design using a variety of art forms. These could include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, printmaking, etc. Students acquire depth and breadth of understanding of the principles and elements of art as they develop quality artwork, focus on an area of concentration, and work in a variety of two-dimensional art forms and techniques. Students develop a portfolio to be submitted for advanced placement credit.

Prerequisite: Drawing, Painting and Design 1-2

Gunderson, Lincoln, Pioneer

* Meets University Entrance Requirements: CSU, UC ("f", "g")

Psychology 1-2

11th – 12th Grades

#6050—6051

Elective

This course is a study of the factors influencing human behavior including heredity, environment, learning, perception, motivation, communication, and group dynamics.

Prerequisite: None

Pioneer

* Meets University Entrance Requirements: CSU, UC ("g")

Course Offerings

AP Studio Art: 3-D Design

10th – 12th Grades

Visual & Performing Arts Honors

#1236—1237

The Advanced Placement Program in Studio Art: 3-D Design is a performance-based visual exam. Each student develops and submits a portfolio that serves as a direct demonstration of achievement. The term "3-D Design" is used very broadly; a wide range of work can fit into this portfolio. Work that is submitted for this portfolio will explore depth and space -- that is, the issues of working in three dimensions. Content, style, and process are completely open. Whatever direction the student chooses, the work should address such issues as mass, volume, form. Any three-dimensional medium may be used for the portfolio.

Prerequisite: Drawing, Painting and Design 1-2

Leland

* Meets University Entrance Requirements: CSU, UC ("f", "g")

Art Special Projects

10th – 12th Grades

Visual & Performing Arts

#1244—1245

Art Special Projects is a yearlong course for students who have completed Sculpture and 3-Dimensional Design 1/2 or Drawing, Painting and Design 1/2. Students who have demonstrated comparable skills and knowledge may enroll in the course with the instructor's approval. The course requires that the student and instructor design an individual curriculum to fit the student's needs. The student will be involved in prewriting activities, idea development, project creation, portfolio development and project analysis. The media chosen and number of projects will vary depending on the student's needs. All projects will align with the California Framework for the Visual and Performing Arts.

Prerequisite: Sculpture 3-D Design or Drawing, Painting, and Design 1-2, or written permission of instructor

Lincoln, Pioneer, San Jose High, Willow Glen

* Meets University Entrance Requirements: CSU, UC ("f")

Cartooning and Animation 1-2

9th – 12th Grades

Visual & Performing Arts

#0344—0345

This course is an introduction to the art of cartooning and animation. Students will learn in a hands-on studio environment that emphasizes a strong foundation in basic artistic theory and drawing technique. Students will explore and create their own work in diverse cartoon medium such as print, film, video, and digital. Students will also learn about the unique history and diverse opportunities in the cartoon art field and the role they play in today's world.

Prerequisite: None

Gunderson, Leland

* Meets University Entrance Requirements: CSU, UC ("f")

Cartooning and Animation 3-4

10th – 12th Grades

Visual & Performing Arts

#0346—0347

This course is a continuation of Animation 1-2, the art of cartooning and animation, which emphasizes a strong foundation in basic artistic theory and drawing technique. Students explore and create their own finished projects using diverse cartoon mediums such as print, film, video, and digital in a hands-on studio environment. Students will learn to use animation software in the development of their projects. Students also learn about the unique history and diverse opportunities in the cartoon art field and the role they play in today's world.

Prerequisite: Cartooning and Animation 1-2

Gunderson, Leland

* Meets University Entrance Requirements: CSU, UC ("f", "g")

Digital Photography 1-2

9th – 12th Grades

Visual & Performing Arts

#0380—0381

In this yearlong course, students cover the basic techniques and skills of black and white and color photography. Photographic history is covered and the introduction of technology within the photographic field is presented. Students learn how to use a Macintosh Power PC, Adobe Photoshop software and alternative digital equipment to produce a photographic portfolio. Students also have the opportunity to work on outside projects in coordination with the district and the community.

Prerequisite: None

Gunderson, Leland, Lincoln

* Meets University Entrance Requirements: CSU, UC ("f")

Digital Photography, Advanced

10th – 12th Grades

Visual & Performing Arts

#0382—0383

In this course students perfect their technological photography and computer training, continue studies of theory, and develop a personal style. Outside projects in coordination with the district and the community are required.

Prerequisite: Digital Photography 1-2

Gunderson, Leland, Lincoln

* Meets University Entrance Requirements: CSU, UC ("f", "g")

Drawing, Painting and Design 1-2

9th – 12th Grades

Visual & Performing Arts

#0330—0331

This course is an introduction to design and composition; students use a variety of art media such as pencil, charcoal, conte crayon, pen and ink, tempera, watercolor, and acrylic. Introductory material covers theory of line, color, texture, the elements of design, and the principles of composition. Student projects include drawing, painting, printmaking, and design. Various schools of art, styles, and artists, past and present, are discussed. Students are encouraged to exercise self-expression in their art. Students will learn the relationship of drawing and painting to other art forms and receive an overview of careers in art and related fields. Students will develop critical assessment skills by applying what they learn to self and peer evaluation of their art projects.

Prerequisite: None

All Schools

* Meets University Entrance Requirements: CSU, UC ("f")

Drawing, Painting and Design, Advanced

9th – 12th Grades

Visual & Performing Arts

#0332—0333

This course is designed for students who have successfully completed Drawing, Painting and Design 1-2. It builds upon and expands the knowledge and skills acquired in Drawing, Painting and Design 1-2; it also applies the principles of color, design, and composition through drawing and painting assignments.

Prerequisite: Drawing, Painting, and Design 1-2

All Schools

* Meets University Entrance Requirements: CSU, UC ("f", "g")

Multimedia Production 1-2

10th – 12th Grades

Visual & Performing Arts

#0362—0363

This course covers techniques in the production of digital media. Students will use computers and other related hardware and software to prepare digital media. Forms of media developed using current and emerging technologies will be covered. The students will receive a complete introduction to media production and distribution, including web design. The media types will include text, graphics, video, and interactive media and will be distributed both locally and on the Internet.

Prerequisite: Computer Productivity or equivalent

All Schools

* Meets University Entrance Requirements: CSU, UC ("f")

Course Offerings

Multimedia Production Advanced #0364—0365
10th – 12th Grades **Visual & Performing Arts**
This course covers advanced techniques in the production of digital media. Students will use computers and other related hardware and software to prepare digital media with a focus on distribution. The student chooses an area of specialty.
Prerequisite: Multimedia Production 1-2 or equivalent
All Schools
* Meets University Entrance Requirements: CSU, UC (“f”, “g”)

Photography 1-2 #0370—0371
10th – 12th Grades **Visual & Performing Arts**
This course is an introductory course that explores photography as a method of creative, visual communication. This course develops an understanding of art principles and technical skills necessary to communicate effectively in the medium of photography. This beginning course is designed to teach the basic technical skills of photography. Students learn how to use 35mm cameras and enlargers. Students also learn how to expose, process, and print film. Students learn the relationship of photography to other art forms and receive an overview of careers in photography, photojournalism and related fields.
Prerequisite: None
Willow Glen
* Meets University Entrance Requirements: CSU, UC (“f”)

Photography, Advanced #0372—0373
10th – 12th Grades **Visual & Performing Arts**
This course provides students with the opportunity to expand and enhance skills developed in Photography 1-2. Emphasis is placed on a review of the principles of black and white photography and the transition to the photographic world, technique, and digital color.
Prerequisite: Photography 1-2 (Basic understanding of black and white photography)
Willow Glen
* Meets University Entrance Requirements: CSU, UC (“f”, “g”)

Sculpture and Three Dimensional Design 1-2 #0263—0264
9th – 12th Grades **Visual & Performing Arts**
This course teaches students the design elements with which the sculptor is concerned: relationships of volume and mass, line and plane movement, contour, light and shadow, and texture. Various media, such as clay, metal and wood, are used. The students gain an appreciation for artwork and develop a cultural and historical awareness related to three-dimensional design. Students will learn the relationship of three-dimensional art to other art forms and receive an overview of careers in art and related fields. In addition, they will develop evaluative skills by applying what they learn to self and peer evaluation of three-dimensional projects.
Prerequisite: None
Leland, Pioneer, Willow Glen
* Meets University Entrance Requirements: CSU, UC (“f”)

Sculpture and Three Dimensional Design, Adv #0265—0266
10th – 12th Grades **Visual & Performing Arts**
Students continue to develop an understanding of the design elements learned in Sculpture and Three Dimensional Design 1-2. More advanced techniques and materials are used.
Prerequisite: Sculpture and Three Dimensional Design 1-2
Leland, Pioneer, Willow Glen
* Meets University Entrance Requirements: CSU, UC (“f”, “g”)

Visual Arts IB Prep 1-2 #1220—1221
11th – 12th Grades **Visual & Performing Arts**
This multifaceted, college level art course is recommended for serious art students who hope to complete an artist's portfolio for presentation to the International Baccalaureate program. Students are required to work in all media, both two-dimensionally and three-dimensionally, to create major pieces of work. The study of art history and specific artists associated with the style of the student's work are an integral part of the course, as well as oral critiques and presentations of each student's work. Students are required to develop a portfolio of their own work with major emphasis in one of the areas, such as graphic arts, photography, drawing, painting, or sculpture.
Prerequisite: Computer Graphics 1-2, Photography 1-2, or Drawing, Painting and Design 1-2
San Jose High
* Meets University Entrance Requirements: CSU, UC (“f”)

Visual Arts IB SL #1222—1223
12th Grade **Visual & Performing Arts Honors**
This second year honors course is a continuation of the art history and sophisticated application of design principles to the content of the student's work. Students will continue to prepare their portfolios for presentation to the International Baccalaureate Examiners as well as prepare for the oral examination.
Prerequisite: Visual Arts IB Prep 1-2
San Jose High
* Meets University Entrance Requirements: CSU, UC (“f”, “g”)

Yearbook 1-2 #0376—0377
9th – 12th Grades **Visual & Performing Arts**
Through specialized training and experience, students assume responsible positions as editors, business managers, or advertising managers. Students plan photos and stories to be included in the yearbook, supervise photography, write and edit copy, sell and design ads, and learn methods of designing pages. The class allows students to express ideas, and engage in creative thinking, leadership, and problem solving.
Prerequisite: None
Gunderson, Lincoln, Pioneer, San Jose High, Willow Glen

Yearbook Advanced #0378—0379
10th – 12th Grades **Visual & Performing Arts**
This class is limited to students who have successfully completed Yearbook 1-2. Students enhance and expand the skills acquired in the beginning course and are expected to assume greater responsibility for the total organization, editing, and production of the yearbook.
Prerequisite: Yearbook 1-2 or teacher recommendation
Gunderson, Leland, Pioneer

Course Offerings

Drama, Theater, Radio, Television

Advance Acting Lab 1-2

#2322—2323

9th – 12th Grades

Visual & Performing Arts

Students will work together as a total production team with full play production as the class goal. Student's reinforce acting techniques through rehearsal and learn new techniques throughout the year. Productions are mounted for a variety of audiences with a focus on youth theatre. Productions are mounted on the main stage and developed for touring to various venues. Emphasis is placed on the total production team including all aspects of technical production and on stage talents. Character development, script analysis, theater history research and post production analysis are standard practice. Students also learn to prepare for college and professional acting auditions during the course of the year.

Prerequisite: Admission by audition

Lincoln

* Meets University Entrance Requirements: CSU, UC ("f", "g")

UC accepted for grades 11-12

Drama 1-2

#2020—2021

9th – 12th Grades

Visual & Performing Arts

This full-year, activity-oriented course serves as an introduction to theater. Students study basic principles and techniques in acting, theater history, staging, voice and diction, pantomime, improvisation, choral reading, readers' theater, storytelling, and oral interpretation. Students are also introduced to stage makeup, stage lighting, and technical production techniques. Students will learn the relationship of drama to literature and other art forms. Students will receive an overview of careers in theater and related fields.

Prerequisite: None

All Schools

* Meets University Entrance Requirements: CSU, UC ("f")

Drama Intermediate 1-2

#2320—2321

10th – 12th Grades

Visual & Performing Arts

In this yearlong intermediate course, basic principles of theater arts are reinforced and advanced techniques are developed. All productions are student run. In addition to refining skills taught in beginning drama, intermediate students work toward developing their acting and improvisational skills, scene analysis, directing skills, and preparation for auditions at the community theater and professional level. Projects include, but are not limited to, a student directed one-act play festival, contemporary and classical monologue and scene preparation, reviewing for professional and community theater productions, a research project covering a major playwright, and written reviews of live theater.

Prerequisite: Beginning Drama and/or placement audition

Lincoln

* Meets University Entrance Requirements: CSU, UC ("f", "g")

Drama Advanced

#2022—2023

10th – 12th Grades

Visual & Performing Arts

This full-year, performance-oriented course is designed for students who are interested in drama and theater arts and extends skills introduced in Drama 1-2, such as acting, scene development, directing, and technical theater.

Prerequisite: None

Gunderson, Leland, Pioneer, San Jose High, Willow Glen, Lincoln (4 levels)

* Meets University Entrance Requirements: CSU, UC ("f", "g")

Dramatic Interpretation 1-2

#2330—2331

9th – 12th Grades

Visual & Performing Arts

This course is designed to develop an appreciation for theater and skills in the oral interpretation of dramatic literature, especially through the medium of readers' theater and performance before a community audience. Students will examine, develop, and demonstrate the skills and techniques of the actor. Students will acquire a practical knowledge of theater arts. In addition, students will explore the political, social, economic, and ethical dimensions of the theater. Students will demonstrate their skills and knowledge of plays, poetry, and prose developed for readers' theater through performance before a community audience.

Prerequisite: None

Leland

* Meets University Entrance Requirements: CSU, UC ("f")

Film Studies

#2332—2333

11th – 12th Grades

Visual & Performing Arts

Students in this course study film as both an art and a means of communication. They are taught to "read" a film, analyzing its narrative structure, genre conventions, subtext, technical and artistic factors, and purpose. The emphasis is on the various techniques used by filmmakers to convey meaning. The course also introduces traditions of film making - especially the narrative traditions shared with literature - as well as the history of the cinema. In addition, students examine how films often reflect the times and conditions in which they are made, and conversely, how motion pictures sometimes help shape attitudes and values in society.

Prerequisite: None

Gunderson, Leland, Pioneer, San Jose High

Fundamentals of Technical Theatre 1-2

#2030—2031

9th – 10th Grades

Visual & Performing Arts

This course gives a comprehensive study of stage lighting, sound, costuming, theater management, and makeup, with an emphasis on vocabulary, design, theater history, critical interpretation and industry standards. Students collaborate daily as a technical production crew preparing technical elements for current productions enabling them to apply the techniques they have learned. This course provides the opportunity to develop the skills in theater management, production organization and design to later qualify as technical staff for main stage productions.

Prerequisite: Beginning Drama and/or placement audition

Lincoln

* Meets University Entrance Requirements: CSU, UC ("f")

Media Arts 1-2

#2326—2327

9th – 12th Grades

Visual & Performing Arts

In Media Arts 1-2, students will study the historical development of television, video, theater, film and radio. By evaluating and analyzing programs for their meta-messages and communication value, students will develop an appreciation of media as an art form. By producing and creating a variety of multimedia projects, students will connect and apply their study of media arts to their own creative endeavors. Students will also become aware of the many career paths available in media arts.

Prerequisite: None

Gunderson, Lincoln

* Meets University Entrance Requirements: CSU, UC ("f")

Course Offerings

Media Arts 3-4/Film

#2328—2329

11th – 12th Grades

Visual & Performing Arts

This course is a further extension of Media Arts 1-2. Students in this class are the creators and technical advisors for the film projects to be developed by the students themselves. They will also operate and maintain the film equipment. Films produced by the students in this class are used and owned by San Jose Unified School District. In addition, these productions can be entered in national film festival competition.

Prerequisite: None

Lincoln

* Meets University Entrance Requirements: CSU, UC (“f”, “g”)

* Meets University Entrance Requirements: CSU, UC (“f”)

Radio Broadcasting 1-2

#2310—2311

9th – 12th Grades

Visual & Performing Arts

This course teaches production principles and techniques applicable to radio broadcasting. This performance class covers news writing and announcing techniques, public service programming, production, FCC rules and regulations, basic engineering skills, and disc jockey techniques. The main objective of the class is to learn how to work in a radio station.

Prerequisite: None

Pioneer

Radio Management

#9102—9103

10th – 12th Grades

Visual & Performing Arts

Students learn the day-to-day operation and management of a radio station by working at the radio station KMTG at FM 89.3 on Pioneer’s campus. The students in this class comprise the staff of the radio station.

Prerequisite: Radio Broadcasting 1-2

Pioneer

Technical Theatre and Design Advanced

#2302—2303

11th – 12th Grades

Visual & Performing Arts

Behind the scenes is what being a technician is all about, and this course allows the student to put into practice what they have learned in the prerequisite class. This course provides challenging technical theater scenarios for the advanced technician including leadership roles such as crew chief or house manager, main stage production team and design assignments, historical research and dramaturgy, box office marketing and public affairs. The student is involved in a variety of advanced activities relating to technical aspects of a theatrical performance. Skills practiced include set design and construction, special effects, lighting design, sound design, costume design and creation, makeup application and stage management.

Prerequisite: Fundamentals of Technical Theater and Design

Lincoln

* Meets University Entrance Requirements: CSU, UC (“f”, “g”)

Music

Beginning Band 1-2

#4606—4607

9th – 12th Grades

Visual & Performing Arts

Beginning Band is designed for the student who has never played a band instrument or wants to learn a new one. There is no prerequisite for this class. Instruments taught will include: flute, clarinet, saxophone, trumpet, baritone horn, French horn, trombone, tuba, bass guitar and percussion. An end-of-the-year concert will be given and attendance is mandatory.

Prerequisite: None

Lincoln, Pioneer

Chamber Chorale

#4590—4591

9th – 12th Grades

Visual & Performing Arts

The Chamber Chorale is a select, auditioned, vocal ensemble specializing in music from the Renaissance through 20th century. The course is designed for the advanced choral student who is interested in performing in a small ensemble, and requires the highest level of commitment, responsibility, and musicianship. Students are expected to demonstrate a high level of maturity both in rehearsal and in performance.

Prerequisite: Audition

Leland, Lincoln

* Meets University Entrance Requirements: CSU, UC (“f”)

Chamber Orchestra 1-2

#4602—4603

9th – 12th Grades

Visual & Performing Arts

This course is offered to advanced level students who wish to study and perform string literature for continuing individual preparation and for historical content. Students must demonstrate advanced technical skill in their instruments. This performing group represents their high school in the community.

Prerequisite: Audition

Leland, Lincoln, San Jose High

* Meets University Entrance Requirements: CSU, UC (“f”)

Choir 1-2

#4560—4561

9th – 12th Grades

Visual & Performing Arts

This course is designed for students interested in vocal music and performance activities. Instruction in sight-reading, tone production, listening skills, body movement, and performance skills is part of the course.

Prerequisite: None

Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“f”)

Choir Advanced

#4562—4563

10th – 12th Grades

Visual & Performing Arts

This course builds on Choir 1-2 and has been designed for the advanced music students interested in both theory and vocal music performance. Students are involved in choral part-singing, solo and ensemble singing, and the interpretation of musical symbols.

Prerequisite: Choir 1-2 and audition

Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“f”, “g”)

Course Offerings

Concert Band **9th – 12th Grades**

#4604—4605

Visual & Performing Arts

This course is offered to the serious music student who is considering music as a major or minor in college. The goal of the course is to build a strong foundation of musical comprehension and competence as an individual within a group. Its focus will be performance of standard concert band literature. Students should have a high degree of technical skill on their musical instruments. Performances are an integral part of this course. Prerequisite: Audition by instructor. Students must be able to sight read reasonably well, demonstrate good wind instrumental techniques with regard to resonance, blend, balance, and breath control, and pass a basic music theory examination. Instrumentalists will be expected to maintain concurrent enrollment in Wind Ensemble.

Prerequisite: None

Pioneer

* Meets University Entrance Requirements: CSU, UC (“f”)

Guitar 1-2 **9th – 12th Grades**

#4540—4541

Visual & Performing Arts

This course is offered to advancing music students with strong technical skills and experience in String Ensembles. The goal of the course is to build a strong foundation of musical comprehension while interpreting major string works. Special attention will be given to the stylistic interpretation of music with regard to its historical significance and origin. Performances are an integral part of this course.

Prerequisite: Audition

Willow Glen

* Meets University Entrance Requirements: CSU, UC (“f”)

Intermezzo Orchestra **9th – 10th Grades**

#4588—4589

Visual & Performing Arts

This course is offered to the music students with basic string skills and a minimum of one-year experience in a string ensemble. Students perform Educational String Ensemble literature with special emphasis on reading and technical skills. Analytical skills are developed and applied to the repertoire. An understanding of basic form and music theory is acquired through daily rehearsal. Performance is also an integral part of this course.

Prerequisite: Audition or permission of the instructor

Lincoln, Pioneer, San Jose High

* Meets University Entrance Requirements: CSU, UC (“f”, “g”)

Jazz Band **9th – 12th Grades**

#4524—4525

Visual & Performing Arts

This performance course teaches techniques and skills characteristic to jazz. The student plays many different styles of jazz from big band to modern progressive swing.

Prerequisite: Audition

Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“f”)

Jazz Choir (Estetica) **9th – 12th Grades**

#4568—4569

Visual & Performing Arts

This advanced choral group, selected through audition, is a select vocal ensemble studying all jazz styles from blues to fusion. Students study microphone technique, jazz styling and interpretation, vocal improvisation (scat), chart reading and interpretation, solo and ensemble vocal techniques, advanced theory and various other aspects of jazz. Solo as well as ensemble literature will be studied, discussed, and performed.

Prerequisite: Audition

Lincoln

Jazz Singers 1-2

#4592—4593

9th – 12th Grades

Visual & Performing Arts

The Jazz Singers are an auditioned intermediate vocal jazz ensemble of a minimum of 24 singers. Ensemble members are given the opportunity to participate successfully in a fulfilling musical experience, on both a personal and ensemble level, while learning and performing representative vocal jazz literature.

Prerequisite: Audition

Lincoln, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“f”)

Mariachi 1-2

#4610—4611

9th – 12th Grades

Visual & Performing Arts

Students will learn the basic technique on the violin, vihuela, guitar, trumpet, or guitarron. Students will also learn basic vocal technique. Individual and ensemble technique will be developed. Scales learned will include: F, C, G, D, A. Performances will be required.

Prerequisite: Audition

Lincoln, San Jose High

* Meets University Entrance Requirements: CSU, UC (“f”)

Mariachi 3-4

#4612—4613

10th – 12th Grades

Visual & Performing Arts

This yearlong course is open to students who complete Mariachi 1-2 or pass an audition. Students will perform on the violin, vihuela, guitar, trumpet, or guitarron. Students will develop advanced instrumental and vocal skills. Scales will develop advanced instrumental and vocal skills. Scales will include Bb, F, C, G, D, A, E, B as well as relative minor scales. Performances are required.

Prerequisite: Mariachi 1-2 or admission by audition

San Jose High

* Meets University Entrance Requirements: CSU, UC (“f”)

Performing Band

#4520—4521

9th – 12th Grades

Visual & Performing Arts

This performance-oriented course emphasizes the study of symphonic transcriptions as well as standard band music. Students improve their sight-reading and musicianship skills through various class exercises. The performing band performs in concerts and festivals both on and off campus. Attendance is required at all performances.

Prerequisite: Ability to play a band instrument

Lincoln

* Meets University Entrance Requirements: CSU, UC (“f”)

Voice Studio 1-2

#4570—4571

10th – 12th Grades

Visual & Performing Arts

Students will learn the rudiments of vocal performance, vocal health and sound production, stage presence, and choosing repertoire appropriate to different voices. The focus of this class will be on solo and duet singing with emphasis on acquiring a solo sound.

Prerequisite: Music IB Prep 1-2 and enrollment in Band, Choir, or Orchestra

Lincoln

Wind Ensemble 1-2

#4690—4691

9th – 12th Grades

Visual & Performing Arts

This course is offered to the serious music student who is considering music as a major or minor in college. Its focus is performance of concert and marching literature. Students should have a high degree of technical skill on their musical instruments.

Prerequisite: Audition

Leland, Lincoln, Pioneer, Willow Glen

* Meets University Entrance Requirements: CSU, UC (“f”)

Community College Courses

Community College Courses – Concurrent Enrollment

Students in 11th and 12th grade may enroll in the following courses to receive high school and college credit. See websites below for course descriptions, schedules, locations and enrollment forms and procedures. Students in 9th and 10th grade should contact a high school site administrator for permission and recommendation to enroll in college classes. Grades and credits are only posted to the high school transcript when a student gets an official transcript and submits it to the high school registrar.

San Jose City College (<http://www.sjcc.edu>)

Courses taught on Leland High School campus

- JAPAN 1B – Elementary Japanese
- JAPAN 2B - Intermediate Japanese
- MATH 73 – Multivariable Calculus
- MATH 78 – Differential Equations
- SL 1A – Introduction to American Sign Language
- SL 1B – Intermediate American Sign Language

For concurrent enrollment at San Jose City College, an application form and a R-40 form must be completed and returned to the admissions office. The R40 form can be accessed at:

www.sjcc.edu/Reg/Apply/R40%20form-HighSchoolStudent.pdf

Special Education

Programs for Special Education Students Grade Levels: 9 - 12

The San Jose Unified School District offers a number of Special Education Programs for students identified as having needs under Special Education law. These students are provided standards-based instruction, following California state content standards, in accordance with their Individualized Educational Program (IEP).

Specialized Instruction Grade Levels: 9 - 12

Special Education Staff work closely in collaboration with general education teachers to provide assistance and accommodations to mainstreamed students in the regular classroom.

Designated Instructional Services (DIS) Grade Levels: 9 - 12

Speech, Vision, Hard of Hearing and Adaptive PE and Occupational Therapy services are available for students who are designated as eligible for these services through the IEP process. These are not instructional services and are not included in the course listings.

Alternative Education Programs

Broadway High School

Broadway High School is an educational alternative program designed to meet the needs of students who are behind in credits and prefer a smaller learning community. Broadway provides students with a challenging, supportive, and accommodating learning environment. We focus on academic, employment, and life skills and motivate students to envision and create their own futures. Broadway received a six-year WASC Accreditation (Western Association of Schools and Colleges) in 2007, and has been a state-recognized model continuation high school for more than eight years. Continuation high schools address the needs of students who are 16 or older.

Broadway's policies and programs assist students in earning their high school diplomas by offering a variety of credit recovery options. Flexible scheduling and varied delivery systems enable students by providing the opportunities and support they need to be successful. The standards-based curriculum at Broadway prepares students for post-secondary education and/or employment.

Broadway High School has a site-based Young Families Program that provides educational opportunities to expecting or current young parents of any age. The program provides on-site daycare services for infants and toddlers and works with students to provide optimal parenting to their children. The Young Families Program collaborates with a wide variety of community-based organizations.

Students come to Broadway through a referral to the Child Welfare and Attendance Counselors (CWA's), who are represented at each of the six traditional high schools and at the district enrollment centers. Students may self-refer to the CWA's, and parents and students are always welcome to visit the school. Broadway has an open enrollment policy and students may enroll throughout the year.

Programs and curricula offered at Broadway High School include:

- ✓ Online Credit Recovery Programs
- ✓ Child Development Certification Program
- ✓ English Language Development (ELD) courses
- ✓ Special Education Services (RSP and SDC)
- ✓ Work Experience
- ✓ Counseling Services
- ✓ Young Families Program

For more information, please call Broadway High School at 535-6285.

Alternative Education Programs

Learning Options

The Governing Board recognized that the prescribed course of study may not accommodate the needs of some students. The Board, with the active involvement of parents/guardians, administrators, teachers and students, has adopted an alternative means for the completion of prescribed courses. Programs are listed below.

Plus Programs – Necessary Small Continuation High School, referred to as Plus Programs, are available at all SJUSD comprehensive high schools. The purpose of the Plus Program is to provide social structure and educational interventions, in cooperation with the comprehensive high school, which assists at risk students behind in credits to graduate with their class and pursue post-secondary options including career-technical education and college. The objective is to provide an educational program in which students receive small group as well as individualized instruction, extensive counseling, and the opportunity to earn additional credits not offered in the comprehensive high schools.

Career Academy - Necessary Small Continuation High School located at O'Connor Hospital, allows students to work in the hospital while attending classes provided by a SJUSD instructor at the same location.

Middle College at San Jose City College – The goal of Middle College is to provide alternative educational opportunities to academically capable students who are not living up to their potential in the comprehensive high schools. This program is designed to offer a unique option to students who are academically capable and able to be successful in a college environment. It assists students in completing high school while beginning their college careers. San Jose Unified School District instructors supervise the students during the school day as well as provide academic instruction and support in core curriculum areas. Students take core classes with SJUSD high school instructors and are assigned 2-3 college courses as appropriate and available. All courses take place at SJCC.

Liberty High School – The Liberty High School program allows students the opportunity to receive a middle or high school education through an individualized, project-oriented, independent study program. This is an instructional program in which students meet individually with a credentialed teacher for one hour each week.

Home Study Program – The goal of this program is to provide the needed instructional support to families who wish to participate in a more direct manner in the education of their children. The Home Study Program is a component of Independent Studies and operates under similar guidelines and requirements.

For more information about Learning Options, call 535-6539

Central County Occupational Center, CCOC – CCOC, is the Regional Occupational Center providing career-technical education for sophomores, juniors, and seniors. Students choose from approximately 32 career programs and attend CCOC for 3 hours a day, either in the morning or the afternoon. CCOC is centrally located at 760 Hillside Avenue, and transportation is provided. Students interested in this program should contact their counselor/administrator.

For general information about CCOC, call 723-6407

Alternative Education Programs

San Jose Community Middle/High School

The goal of this program is to provide an academic program, which assists students in being successful with life skills, academic achievement, and coping skills, so that they may return to a regular school setting. The Community school has been established to serve the needs of exceptionally at-risk youth.

For information, call 279-2550

Board of Education

San Jose Unified School District

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San Jose, CA 95126-2736

(408) 535 – 6000

www.sjUSD.org

| | |
|---|---------------------------|
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NON DISCRIMINATION

San Jose Unified School District schools do not discriminate regarding student choices of classes on the basis of race, religion, national origin, color, sex or handicapping conditions.