

Natomas High School

COURSE CATALOG

2024-2025



Natomas High School

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<https://natomasunified.org/nhs/>

Introduction

Marcel Baker, *Principal*

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Counseling Team

Maria Cruz-Plantilla, *Counselor*

Allison Terras, *Counselor*

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Timmy Vo, *Counselor*

College & Career Center

Susana Hernandez, *College & Career Coordination Specialist*

Robyn Castillo, *District Superintendent*

Guidelines for Choosing Courses

As you read this catalog, carefully consider the following before selecting your courses for the next year:

1. **Graduation Requirements:** select the courses you need to meet district graduation requirements.
2. **College Entrance Requirements:** select courses you need to meet college entrance requirements.
3. **Career Plans:** select CTE courses that can help you explore possible future career options.
4. **Teacher Recommendation:** discuss course choices with teachers and get their recommendations.

Natomas High School Class Change Policy

Student schedules may shift during the first ten days of the term, due to a balancing of classes. Requests for schedule changes will generally only be granted for the following reasons:

1. Level Changes (Example: Spanish 1 to Spanish 2 or Math I to Math II)
2. Graduation Requirements (Example: missing core requirements)
3. College Entrance Requirements (Example: missing VAPA)

FYI: Teacher preference will not be considered when making schedule changes.

Advanced Placement Courses

AP courses are college-level courses offered in high school. Students learn rigorous college-level content and skills. The courses reflect what is taught in top introductory college courses. Students take AP Exams at the end of the course, measuring their mastery of college-level work. A score of 3 or higher on an AP Exam can typically earn students college credit and/or placement into advanced courses in college. Taking AP is valued in the college admission process. AP courses are an interesting and rewarding academic experience. It is an opportunity to earn valuable credit and placement in college. 85% of selective colleges and universities report that a student's AP experience favorably impacts admission decisions. Taking AP courses tell college admission officials that students are challenging themselves and preparing for the rigors they will encounter in their college careers.

Note: A student's enrollment and participation in an AP course does not ensure that he/she will pass the exam. AP credit is not accepted by all colleges/universities. You will need to consult with the institution to which your student is applying for their specific policies regarding AP credit.

Student Support Programs

- **Free Tutoring:** Monday - Friday 3:35pm - 4:35 pm in the Library
- **Virtual Tutoring:** Reserve time slot via link. <https://natomasunified.org/departments/parent-university/secondary-support/>
- **Varsity Tutoring:** Personalized 1 on 1 Tutoring. [Clever.com](https://www.clever.com)

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Graduation Requirements

The following requirements must be met to receive a diploma from the Natomas Unified School District

Course Requirements (10 Credits = 1 year)		
Course		Credits
English:	Students must pass 9 th , 10 th , 11 th and 12 th grade levels	40
Social Studies:	a. One year of World History (10 th) b. One semester of World Geography (Imbedded in Pre-AP World History) c. One year of U.S. History (11 th) d. One semester of American Government (12 th) e. One semester of Economics (12 th)	35
Mathematics:	Students must pass two years of mathematics with completion of Algebra through Geometry.	20
Science:	a. One year of Life Science (Pre-AP Biology) b. One year of Physical Science (Chemistry in Community or Conceptual Physics)	20
Fine Arts <u>or</u> World Language:	One year	10
Technology	One year	10
Physical Education:	a. One year of 9 th grade P.E. b. One year of 10 th grade P.E. (weight training ok)	20
Health:	Students must take one semester of health education (Imbedded into Pre- AP Biology)	5
Electives:		65
Total number of credits required for graduation		220

Graduation Requirements

In order to graduate and earn a diploma, students must (1) complete 220 credits; and (2) complete the required course of study as noted above. Students who do not fulfill all of these requirements are not eligible to graduate from Natomas High School.

Suggested Course Sequencing

Graduation Requirements:

Grade 9	Grade 10	Grade 11	Grade 12
English	Pre- AP English 10	English	English
Mathematics	Pre-AP World History	US History	Govt / Economics
Science	Mathematics	Mathematics	Mathematics
Physical Education	Science	Visual / Performing Art	Technology
Foreign Language	Physical Education	Elective	Elective
Elective	Foreign Language	Elective	Elective

AP Capstone Eligibility:

Grade 9	Grade 10	Grade 11	Grade 12
Pre- AP English 9	Pre- AP English 10	AP Language & Comp.	ERWC.Col
Mathematics	AP World History	AP US History	AP American Government
Science	Mathematics	Mathematics	Mathematics
Physical Education	Science	Visual / Performing Art	AP Research
Foreign Language	AP Seminar	Science/Elective	Science/Elective
AP Human Geography	Foreign Language	Foreign Language	Foreign Language/Elective

In this example, the student took PE 10-12 during the summer after 9th grade.

CTE Pathway:

Grade 9	Grade 10	Grade 11	Grade 12
English	Pre- AP English 10	English	English
Mathematics	Pre-AP World History	US History	Govt / Economics
Science	Mathematics	Mathematics	Mathematics
Physical Education	Science	Visual / Performing Art	CTE Elective
Foreign Language	Physical Education	CTE Elective	Elective
Elective	Foreign Language	Elective	Elective

Full course list of CTE pathways on page 9

Academic Honors

Top Hawk Honor Roll

Platinum: Summa Cum Laude	4.0 and above weighted GPA
Silver: Magna Cum Laude	3.5 - 3.99 weighted GPA
Burgundy: Cum Laude	3.0 - 3.49 weighted GPA

California Higher Education Opportunities

Community College	Admissions Requirements
<p>Number of: 116 statewide</p> <p>Local Community Colleges: American River College, Cosumnes River College, Folsom Lake College, Sacramento City College, Sierra College, Woodland Community College</p> <p>Length: Two years Course Work: Career and job-entry majors. Transfer credits to four- year educational institutions.</p> <p>Degree or Certificates: Vocational certificates. Associate of Arts. Associate of Science.</p> <p>Costs (Tuition & books): Varies based on budget</p> <p>Website: http://www.cccco.edu</p>	<p>Core Subject Requirements: There are no subject requirements.</p> <p>Grade Point Average (GPA): There is no minimum GPA requirement.</p> <p>Educational Background: You must be at least 18 years old or a high school graduate. Assessments: Placement tests for English and mathematics.</p>
California State University	Admissions Requirements
<p>Number of: Twenty-three (23) statewide, accepting the top one-third of the graduates.</p> <p>Schools: CSU Sacramento State, CSU Chico, Sonoma State University, Cal Poly San Luis Obispo, CSU San Diego, CSU San Jose, and San Francisco State University</p> <p>Length: Four years</p> <p>Course Work: Pre-professional training. Various majors.</p> <p>Degrees: Bachelor of Arts. Bachelor of Science. Various master's degrees, Teaching credentials, and some doctorate degrees (EdD's, DNP, PhD, and DPT)</p> <p>Costs (Tuition & books): Varies based upon budget factors. Website: http://www.csumentor.edu</p>	<p>Core Subject Requirements: Complete a minimum 15 college-preparatory course requirements, known as a-g (See the UC core subject requirements below).</p> <p>Grade Point Average (GPA): Students should maintain at least a grade point average of "C" or better which is a 2.5 GPA.</p> <p>Educational Background: Graduate from high school or hold a valid California High School Proficiency Examination Certificate and meet the core subject requirements.</p> <p>NOTE: Many CSU campuses have higher standards for particular majors or for students who live outside the local admission area. Because of the number of students who apply, several campuses have higher standards (supplementary admission criteria) for all applicants.</p>
University of California	Admissions Requirements
<p>Number of: Nine (9) undergraduate statewide, accepting the top 12.5% of the graduates. Schools: Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, Santa Cruz</p> <p>Length: Four years</p> <p>Course Work: Pre-professional training. Various majors.</p> <p>Degrees: Bachelor of Arts. Bachelor of Science. Various master's degrees. Various doctorate degrees.</p> <p>Costs (Tuition & books): Varies based on budget factors.</p> <p>Website: http://www.universityofcalifornia.edu/admissions</p>	<p>CORE SUBJECT REQUIREMENTS: Complete a minimum of 15 college-preparatory courses (a-g courses), with at least 11 finished prior to the beginning of your senior year</p> <p>Grade Point Average (GPA): Students should maintain at least a grade point average of "B" or better.</p> <p>Educational Background: Graduate from high school or hold a valid California High School Proficiency Examination Certificate and meet the core subject requirements.</p> <p>NOTE: The UC uses a process called comprehensive review to determine admission. For example, in addition to grades, the UC looks at how hard students worked to take advantage of the opportunities students had to excel at school, in the student's favorite extracurricular activities and in their community.</p>
Private Colleges and Universities	Admission Requirements
<p>Number of: Approximately 200+ statewide Schools: University of the Pacific, University of Southern California, Saint Mary's, Pepperdine, Stanford, Claremont Colleges</p> <p>Length: Four years Course</p> <p>Work: Curriculum, programs, and professional programs vary according to the size or specialty of the college/university.</p> <p>Degrees: BA/BS, but may offer up to a doctorate Costs (Tuition & books): Approximately \$10,000–\$40,000 per year.</p>	<p>Admission requirements vary by college or university. Usually, students have met or exceeded the UC core subject requirements and assessment requirements.</p>

Natomas High School A-G Approved Course List

Courses Accepted by the UC and CSU Systems

a- Social Science – 2 years required

Course Title:

American Government CP
 AP Government and Politics United States
 AP Human Geography
 AP United States History
 AP World History
 Pre-AP World History & Geography U.S. Government and Politics
 U.S. History/Social Justice

b- English – 4 years required

Course Title:

AP English Literature and Composition
 AP English Language and Composition
 AP Seminar
 CSU Expository Reading and Writing (ERWC)
 ELD-ELA B
 Pre-AP English 1
 Pre-AP English 2

c- Mathematics – 3 years required; 4 years recommended

Course Title:

AP Calculus AB
 AP Calculus BC
 AP Statistics
 Mathematics I CP
 Mathematics II CP
 Mathematics III CP
 *AP Pre - Calculus
 Quantitative Reasoning with Mathematical Topics (QRAT)
 Statistics and Probability

d- Science – 2 years required; 3 years recommended

Course Title:

AP Chemistry
 AP Biology
 AP Environmental Science
 AP Physics
 Chemistry CP
 Chemistry in the Community CP
 Conceptual Physics CP
 Health Science Academy 1
 PLTW Introduction to Engineering Design
 PLTW Principles of Engineering
 Pre-AP Biology

e- Language Other than English – 2 years required. 3 years recommended

Course Title:

AP French Language and Culture
 AP Spanish Language and Culture
 French 1 CP
 French 2 CP
 French 3 CP
 Spanish 1 CP
 Spanish 2 CP
 Spanish 3 CP
 Spanish for Native Speakers 1 CP
 Spanish for Native Speakers 2 CP

f- Visual & Performing Arts – 1 year required

Course Title:

Advanced Band
 AP Studio Art
 Art 1
 Art 2
 Beginning Band
 Beginning Drama
 Beginning Ceramics
 Ceramics – Advanced
 Digital Photo - Intermediate
 Digital Photography
 Graphic Art and Design I
 Graphic Art and Design II
 Intro to Cosmetology
 Music Production and Recording Arts
 Music Production and Recording Arts II
 Percussion Ensemble

g- College Preparatory Elective – 1 year required

Course Title:

Advanced Construction Technology
 AP Research
 *AP African American Studies
 Automotive Service Technician
 Automotive Technology
 Construction Technology
 Economics CP
 Ethnic Studies
 Health and Medical Wellness
 Link Crew Leadership

***Courses are new & pending approval**

NCAA Approved Course List

English

Title

AP LANGUAGE AND COMPOSITION
 AP LITERATURE AND COMPOSITION
 CSU EXPOSITORY READING AND WRITING
 ENGLISH 09/CP
 ENGLISH 10 ADVANCED
 ENGLISH 10/CP
 ENGLISH 11/CP
 ENGLISH 12/CP
 ENGLISH 9 ADVANCED
 PRE-AP ENGLISH I 9TH
 PRE-AP ENGLISH II 10TH

Social Science

Title

AMERICAN GOVERNMENT/CP
 AP GOVERNMENT AND POLITICS US
 AP HUMAN GEOGRAPHY
 AP WORLD HISTORY
 ECONOMICS/CP
 ETHNIC STUDIES
 MODERN WORLD HISTORY & GEO CP
 PRE-AP WORLD HIST & GEO II
 US HISTORY/AP
 US HISTORY/CP
 WORLD GEOGRAPHY/CP
 WORLD HISTORY ADVANCED
 WORLD HISTORY/CP

Mathematics

Title

AP CALCULUS AB
 AP CALCULUS BC
 AP STATISTICS

MATHEMATICS I CP

MATHEMATICS II CP

MATHEMATICS II PLUS CP

MATHEMATICS III CP

MATHEMATICS III PLUS CP

QRAT SENIOR YEAR MATH

STATISTICS

Natural/Physical Science

Title

ANAT & PHYSIOLOGY/CP
 AP BIOLOGY
 AP PHYSICS
 CHEMISTRY IN THE COMMUNITY CP
 CHEMISTRY/AP
 CHEMISTRY/CP
 CONCEPTUAL PHYSICS CP
 EARTH SCIENCE/CP
 HUMAN BIOLOGY
 PHYSICS CP
 PRE-AP BIOLOGY

Additional Core Courses

**(World language, comparative religion,
 philosophy course titles)**

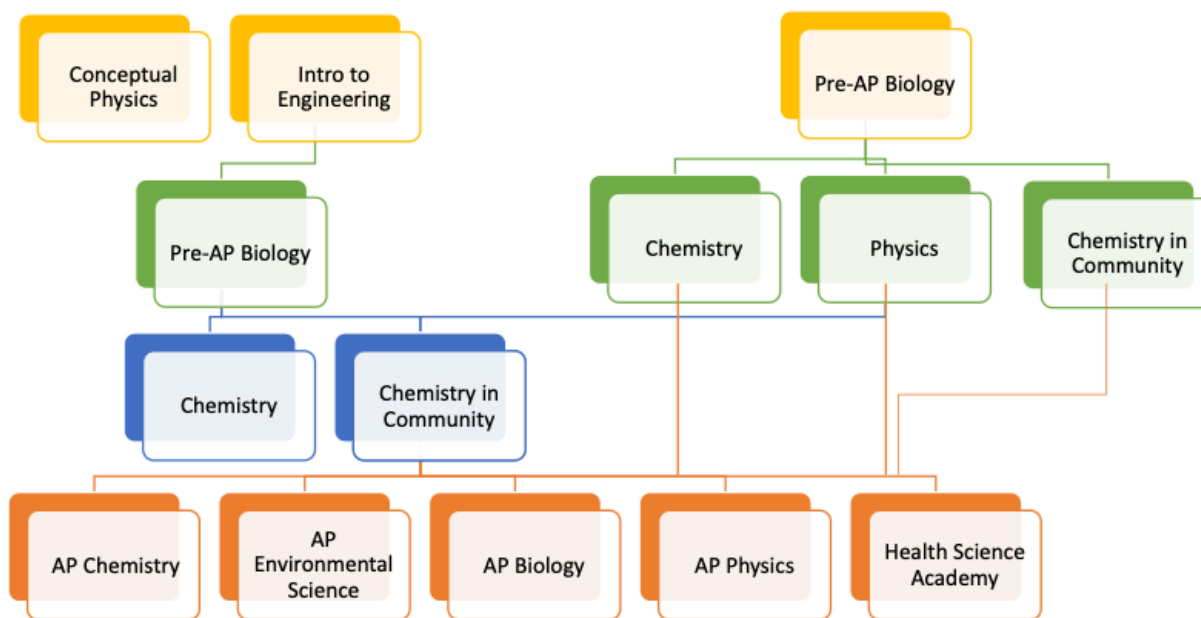
Title

AP FRENCH
 AP SPANISH LANGUAGE & CULTURE
 AP SPANISH LITERATURE & CULTURE
 FRENCH 1/CP
 FRENCH 2/CP
 FRENCH 3/CP
 SPANISH 1/CP
 SPANISH 2/CP
 SPANISH 3/CP
 SPANISH FOR NATIVE SPEAKERS 1
 SPANISH FOR NATIVE SPEAKERS 2

Math Department Sequence

MATH	7th	8th	9th	10th	11th	12th
<i>Minimum a-g and Grad Requirements</i>	7th Grade Math	8th Grade Math	Math 1	Math 2	Math 3	
<i>Recommended A-G and Grad Requirements</i>	7th Grade Math	8th Grade Math	Math 1	Math 2	Math 3	AP Pre-Calculus, AP Statistics, EAP Math Course (QRAT)
<i>Middle School Compaction (Includes AP Considerations)</i>	7th Grade Math/ 1st half of 8th Grade Math	2nd Half of 8th Grade Math/ Math 1	Math 2	Math 3	AP Pre-Calculus, AP Statistics	AP Calculus
<i>High School Acceleration (Includes AP Considerations)</i>	7th Grade Math	8th Grade Math	Math 1	Math 2	Math 3	AP Pre-Calculus, AP Calculus
<i>Middle School Compaction plus High School Acceleration (Includes AP Considerations)</i>	7th Grade Math/ 1st half of 8th Grade Math	2nd Half of 8th Grade Math/ Math 1	Math 2 + Standards (Aug. 2018)	Math 3 + Standards (Aug. 2018)	AP Pre-Calculus, AP Calculus AB	AP Calculus BC,

Science Department Sequence



Natomas High School CTE Course Sequencing 2022-2023

Pathway and School	Course 1	Course 2 (Capstone)	Teacher
Building and Construction Trades	Construction Technology~ (11 th)	Construction Technology II	Jeff Bailey Jbailey@natomasunified.org
Cosmetology	Introduction to Cosmetology (11 th)	Cosmetology	Corrynn Beals cbeals@natomasunified.org
Digital Media	Digital Photo~ (9 th – 11 th)	Visual Communication and Digital Portfolio	Cael Kuhlman ckuhlman@natomasunified.org
Engineering	Introduction to Engineering~ (9 th – 11 th)	Principles of Engineering	John Meehan jmeehan@natomasunified.org
Transportation	Automotive Technology~ (9 th – 11 th)	Automotive Service Technician (11 th - 12 th)	Travis Murray tmurray@natomasunified.org
Health	Health Science Academy (11 th)	Allied Health and Medical Wellness	Cor Morton cmorton@natomasunified.org
Music Production	Music Production and Recording Arts~ (9 th – 11 th)	Music Production and Recording Arts II	Jeff Galindo jgalindo@natomasunified.org

= a-g approved course

~ = technical graduation requirements

Course Descriptions

CAREER TECHNICAL EDUCATION (CTE)

All courses meet Elective Requirement for HS graduation

AUTOMOTIVE ENGINE REPAIR

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: **9, 10, 11, 12**

PREREQUISITE: None

Year One, Small Engine Repair is an introductory course into the study of the various aspects that encompass the automotive industry and its related fields. These studies include the interaction of science and technology as they apply to the automotive transportation systems and the engineered subsystems that are responsible for the proper functioning of automobiles, an examination of current professional and safety standards mandated in trade-based environments, and the development of hand-tool and machinery competency.

AUTO SERVICE TECHNICIAN

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 10, 11, 12

PREREQUISITE: None

Year Two, Auto Service Technician is a two-period capstone course into the study of the various aspects that encompass the automotive industry and its related fields. These studies include the interaction of science and technology as they apply to the automotive transportation systems and the engineered subsystems that are responsible for the proper functioning of automobiles, an examination of current professional and safety standards mandated in trade-based environments, and the development of hand-tool and machinery competency.

DIGITAL PHOTOGRAPHY

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10, 11, 12

PREREQUISITE: Recommend basic computer skills

Digital Photography is a year long course where students learn photography using digital cameras and computer based image manipulation. Emphasis of the state standards are taught and applied in this course. While developing skills, using the language terminologies and techniques of digital photography, students will create a professional portfolio and exhibit their photos as works of art in the community. In the first semester, students are introduced to the origins and historical development of photography, learning and understanding the Historical and Cultural contribution photography has made in the last 19th century to present times. Additionally, students learn the techniques and workflow associated with shooting, creating, and printing digital works of art. Students are taught digital camera operation, composition, and creative expression. As students combine what they have learned in the first quarter, students learn to appreciate and create original works of art based on their own personal experiences in the Creative Expression process.

In the second semester, through Artistic Perception and Aesthetic Valuing, students develop the ability to critique photographs using the elements and principles of design as their expressive vocabulary, possessing the knowledge to describe, analyze, interpret, and respond to various photographs as works of art in an intellectual and thoughtful manner.

Students are also taught how to Connect, Relate and Apply what they have learned in photography to other art forms, subjects areas and careers opportunities. Lastly, students are encouraged to explore and experiment, concentrating and developing their own personal style and artistic vision, while continuing to critique their work, as well as the works of others based on what they have learned, creating their own individual portfolio as an understanding of black and white photography as a form of art.

DIGITAL PHOTOGRAPHY ADVANCED

DURATION: Year Course

a-g DESIGNATION: None

GRADES: 11, 12

PREREQUISITE: Digital Photography

This class is a Career Technical Education course offering. Students deepen their knowledge of photography by building on the knowledge and skills previously acquired in digital photography. They increase their expertise by working through the advanced Visual and Performing Arts Standards. This course will familiarize the student with advanced photographic equipment, materials, methods and digital processes. Students deepen and broaden their investigation of artistic photography while improving their techniques and developing a personal style. They communicate to others through their artwork and discuss the role and purpose of the art being produced. In creating their own work and by studying the photographs of others, students increase their ability to make informed aesthetic judgments. Students complete a portfolio of advanced digital photography and exhibit their work in public forums.

INTRO TO COSMETOLOGY

DURATION: Year Course

a-g DESIGNATION: g

GRADES: 11

PREREQUISITE: None

This introductory course in the Fashion and Interior Design Industry sector was developed for students who are interested in the personal services. Personal Care introduces the fundamentals of personal grooming. The class is structured to familiarize students with the cosmetology industry, technical instruction, and practical operations. This course includes related instruction in basic chemistry electricity, bacteriology, anatomy, and physiology in cosmetology as well as health, safety, and sanitation issues. It focuses on wet hair styling techniques. The competencies in this course are aligned with the California High School Academic Content Standards and the California Career Technical Education Model Curriculum Standards.

COSMETOLOGY

DURATION: Year Course

a-g DESIGNATION: g

GRADES: 12

PREREQUISITE: Introduction to Cosmetology

Advanced Cosmetology is the capstone course in the Fashion and Interior Design Industry sector for students who are interested in the personal services pathway. Students also learn advanced Business and Entrepreneurship skills relating to owning their own business and how to manage and operate a business. Advanced Cosmetology includes principles of hair care, nail care manicuring/pedicuring, skin care with related anatomy and physiology, interpersonal communications, human relations, ethics, scope of practice, legal rules and regulations, and State Board of Cosmetology Mandated

Curriculum; establish a core foundation for practice as the entry level employee within the Cosmetology industry. This course is designed to prepare students for future employment as a professional Licenses Cosmetologist.

CONSTRUCTION TECHNOLOGY II

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 12
 PREREQUISITE: Construction Technology

Construction Technology II builds on skills and knowledge gained from the level one course in the Residential and Commercial Pathway. Students continue to grow and develop in the construction trades, explore career opportunities, working on design concept plans and procedures, electrical, green construction, weatherization, wall and roof framing, cabinetry, tile setting, concrete and masonry, and more. Coursework is project-based, providing students with opportunities to develop teamwork and project management skills. The culminating project is a structure that will include: framing, electrical, plumbing, and finish work. Students demonstrate responsibility for personal, occupational safety on the job site and have the opportunity to obtain OSHA cards certifying their competence. Through this course, students also have the opportunity to obtain NCCER certification (The National Center for Construction Education and Research).

CONSTRUCTION TECHNOLOGY I

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 11
 PREREQUISITE: None

This competency-based course prepares students to work in the construction industry. The course is designed to provide students with technical instruction and practical experience in basic residential and commercial construction through classroom instruction and applied practice of field skills. Instruction includes an introduction, workplace safety, reviews of resource management, trade mathematics, employability skills, and apprenticeship preparation. Emphasis is placed on the techniques, tools, and materials required for the rough and finish carpentry, estimating, plumbing and electrical work, renewable energy, roofing, and painting. The competencies in this course are aligned with the California Career Technical Education Model Curriculum Standards. At the end of the course, students will research and evaluate apprenticeship, employment, and secondary schooling opportunities.

INTRODUCTION TO ENGINEERING DESIGN

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 9,10, 11, 12
 PREREQUISITE: None.

Designed for 9th or 10th grade students, the major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.

PRINCIPLES OF ENGINEERING

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 10, 11, 12
 PREREQUISITE: Introduction to Engineering

Designed typically for 10th or 11th grade students, this survey course exposes students to major concepts they will encounter in a postsecondary engineering course of study. Topics include mechanisms, energy, statistics, materials, and kinematics. They develop problem solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work, and communicate solutions.

HEALTH SCIENCE ACADEMY

DURATION: Year Course
 a-g DESIGNATION: d
 GRADES: 10, 11, 12
 PREREQUISITE: None.

This course will be the foundational/introductory course for the academy focusing on each of the human body systems. This course will provide foundational knowledge and skills of a healthcare worker that include the following: Human Body Pathologies, Health Care Careers, Public Health, Medical Terminology, and skills such as reading and interpreting vital signs (blood pressure), chain of infection, and basic CPR/first aid.

ALLIED HEALTH

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 12

This course will explore the many facets of public and medical health and well-being. Content will relate to individuals, the community, and the careers and institutions directly involved with health and wellness issues. Students will explore all domains of health including psychosocial, physical, and environmental elements and their impact on a person's wellness. Students will examine how one's culture, socioeconomic status, behaviors, attitudes, and heredity play a role in a person's well-being. While working within allied medical fields and community health organizations, students will better understand healthcare needs and the importance of health education and promotion. Students will promote healthy behaviors and work on community health promotion events. Students will learn transferable skills related to entry-level health occupations, explore career options, and become knowledgeable with post-secondary educational options. Community activities are dependent on the availability of such opportunities within the district and community. Integrated throughout the course are career preparation standards, desirable employee attributes and job seeking skills, as well as personal and interpersonal skills, problem solving, and communication skills.

MUSIC PRODUCTION AND RECORDING ARTS I

DURATION: Year Course
 a-g DESIGNATION: f
 GRADES: 10-12
 PREREQUISITE: None

This course is the first of two for the Music Production Pathway and is designed to expose and prepare students for career opportunities in the audio field. This will be accomplished through learning the basic principles of signal flow, multi-track recording, MIDI Programming, and digital audio workstations. It will serve as an introduction to the theory and practice of audio in radio, television, film, and music production. Students will read

articles from scholarly and commercial literature, learn the fundamentals of the design of recording digital equipment, and carry out planned lab activities using industry standard software.

MUSIC PRODUCTION & RECORDING ARTS II

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 11-12
 PREREQUISITE: Music Production and Recording Arts I

This CTE capstone course builds on the skill sets of the concentrator course and further prepares students for a wide variety of careers in professional audio industries. In addition to strengthening the skills learned in Music Production, students will learn advanced band recording, advanced mixing, synthesis, 'off-site' recording and mixing, and live sound reinforcement. Students will create and perform their own live electronic performance piece and explore their personal interests (digital music production, film scoring, sound design), while being challenged with real world concepts and technologies found in today's professional audio industries. Each unit focuses on a major project, building off the skills learned in previous projects. Students also create a digital personal portfolio of their work for final presentation.

ELECTIVES

AP RESEARCH

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 11-12
 PREREQUISITE: AP Seminar

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their process, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of approximately 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

AP SEMINAR

DURATION: Year Course
 a-g DESIGNATION: g,
 GRADES: 10, 11, 12
 PREREQUISITE: English 9

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. In AP Research, students cultivate the skills and discipline necessary to conduct independent research in order to produce

and defend a scholarly academic thesis. The AP Capstone program aims to empower students by engaging them with rigorous college-level curricula focused on the skills necessary for successful college completion; extending their abilities to synthesize information from multiple perspectives and apply skills in new situations and cross-curricular context enabling them to collect and analyze information with accuracy and precision, cultivating their abilities to craft, communicate and defend evidence-based arguments; and providing opportunities for them to practice disciplined and scholarly research skills while exploring relevant topics that appeal to their interest and curiosity.

LINK CREW LEADERSHIP

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 11, 12
 PREREQUISITE: English 9, English 10

Link Crew Leadership is a two-semester course that combines high-level critical thinking, writing, and analytical skills with mentorship and entrepreneurial project experiences and implementation. Students will participate in research and evaluation, project planning and execution, as well as leadership and critical thinking-based activities in order to further develop these key skills in tandem with mentorship and counseling of fellow students. Students will learn vital theoretical lessons in the areas of interpersonal communications, diversity and inclusion, marketing, advertising, and pedagogy. Findings from these experiences will lead students to become empathic and responsible citizens who can apply their knowledge to larger-scale future projects as their ages, resources, and scopes increase. Students will be taught best practices in business development involving budgeting, marketing, target audience research, reporting, and pitching ideas for their leadership projects; subsequently, students will implement these concepts as they craft and execute their events, projects, and presentations. This class will require students to synthesize information obtained in core classes as well as work both individually and collaboratively.

The above coursework extends and enhances the traditional Link Crew program (a program designed under its parent company, The Boomerang Project) above and beyond its primary intended purpose as a high school transition program that welcomes freshmen and transfer students to make them feel connected to the school campus and community throughout the first year of their high school experience. Built on the belief that students can help students succeed, Link Crew trains carefully selected mentors in 11th and 12th grade to be Link Crew Leaders. As positive role models, Link Crew Leaders are mentors and student leaders who guide freshmen/transfers to discover what it takes to be successful during the transition to high school and, through a variety of activities and events, help facilitate freshmen and transfer students' success.

Link Crew's goal is to provide a structure in which students make real connections with each other, resulting in the following long-term benefits: 1.) increased attendance and retention, 2.) improved academic performance, 3.) improved social behaviors, and 4.) improved school climate. Through this program, freshmen and transfer students learn that people in our secondary schools care about them and their success, and leaders experience increased self esteem as well as overall character development.

ETHNIC STUDIES

DURATION: Year Course
 a-g DESIGNATION: g
 GRADES: 9, 10, 11, 12
 PREREQUISITE: None

This course is designed to help students develop an intersectional and global understanding of the impact of race and racism, ethnicity, and culture in the shaping of individuals and communities in the United States. They will learn about the interlocking systems of oppression and privilege that impact all people. Students will be exposed to a multitude of histories, perspectives, and cultures with the goal of students being able to build critical analytical and intercultural communication skills; develop and understanding of the geo-historical and cultural knowledge and contributions; foster collaboration across lines of difference; learn the value and strength in diversity; develop a rigorous historical understanding of the development of racial and ethnic identities in the United States; and engage in civic action, community service, and/or community education to bring positive change that helps build a future society free of racism and other forms of bigotry.

AP AFRICAN AMERICAN STUDIES

DURATION: Year Course

a-g DESIGNATION: g(a?)

GRADES: 11-12(9 & 10)

PREREQUISITE: None

Drawing from the expertise and experience of college faculty and teachers across the country, the course is designed to offer high school students an evidence-based introduction to African American studies. The interdisciplinary course reaches into a variety of fields—literature, the arts and humanities, political science, geography, and science—to explore the vital contributions and experiences of African Americans.

ENGLISH**AP ENGLISH LANGUAGE & COMPOSITION**

DURATION: Year Course

a-g DESIGNATION: b

GRADES: 11

PREREQUISITE: None.

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

AP ENGLISH LITERATURE & COMPOSITION

DURATION: Year Course

a-g DESIGNATION: b

GRADES: 12

PREREQUISITE: None.

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

PRE-AP ENGLISH 9

DURATION: Year Course
 a-g DESIGNATION: b
 GRADES: 9
 PREREQUISITE: None.

This class introduces students to literary terms, genres, including workplace documents and research methods with MLA formatting. Students receive instruction in the composition process and write all of the following CAHSEE options: expository essays responding to texts and practicing different modes, especially comparison and contrast, as well as a business letter, persuasive essay, narrative essay (short story), literary analysis in essays of 1,500 words and up. Vocabulary, grammar and mechanics are systematically taught. Students develop aesthetic critical approaches to interpreting literature, orally and in writing. An emphasis on works from the oral traditions and World Literature, with special attention to the contributions of women and minorities are the focus of this introductory year. The SDAIE English classes are designed to meet the requirements of a regular English class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria

PRE - AP ENGLISH 10

DURATION: Year Course
 a-g DESIGNATION: b
 GRADES: 10
 PREREQUISITE: None

Historical treatments of power and commonly shared human concerns in the context of war, colonialism, political revolutions, and other issues explored in the World History Curriculum are approached here through literature and written and oral research-based projects. Students may produce products in media other than the essay, for instance collaborations on powerpoint presentations to accompany a report. They will review the CAHSEE writing prompts of ninth grade, including business letters and receive methodical instruction in the composition process for the biographical narrative, analytical persuasive essay and a MLA documented research paper. Writing proficiencies include grammar, mechanics, spelling, and vocabulary expansion while continuing the development of the multi-paragraph essay. Direct instruction and practice develops proficiencies in the use of conventions and vocabulary. The SDAIE English classes are designed to meet the requirements of a regular English class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria

ENGLISH 11

DURATION: Year Course
 a-g DESIGNATION: b
 GRADES: 11
 PREREQUISITE: None

This course emphasizes composition development combined with study of fiction and nonfiction works and movements of American Literature with selections from the adopted anthology as well as supplemental novels and plays. Listening and speaking activities build students' discussion and presentation skills as well as fluency in the oral interpretation of literature. The study of vocabulary and conventions becomes more intrinsic to the work students study and produce than in previous years. Students explore career paths, resume writing, job interviews, and develop other workplace and college preparatory skills. Literature is approached through philosophical and political critical theories. The eleventh grade English curriculum complements the work taught in the US American History course, from the Puritans and Rationalists to the Postmodern age. Students will write essays, including a fictional narrative, a literary analysis essay, a reflective composition, and a researched historical investigation. They also review various modes (comparison and contrast, description, narrative, classification and division, process analysis, analogy, cause and effect, summary, paraphrase) as available rhetorical strategies. The SDAIE English classes are designed to meet the requirements of a regular English class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria

Expository Reading and Writing Course (ERWC)

DURATION: Year Course
 a-g DESIGNATION: b
 GRADES: 12
 PREREQUISITE: English 11

The goal of the Expository Reading and Writing Course (ERWC) is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of eight to ten rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. The cornerstone of the course—the ERWC Assignment Template—presents a scaffolded process for helping students read, comprehend, and respond to nonfiction and literary texts. Modules also provide instruction in research methods and documentation conventions. Students will be expected to increase their awareness of the rhetorical strategies employed by authors and to apply those strategies to their own writing. They will read closely to examine the relationship between an author’s argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political, and philosophical assumptions that underlie the text. By the end of the course, students will be expected to use this process independently when reading unfamiliar texts and writing in response to them.

MATHEMATICS

MATHEMATICS I

DURATION: Year Course
 a-g DESIGNATION: c
 GRADES: 9, 10, 11, 12

PREREQUISITE: None.

Mathematics I is the first course in a series of three that uses an integrated approach to address the following conceptual categories: Number and Quantity, Algebra, Functions, Geometry, Statistics and Probability, and Modeling. The problem situations, models, and technology used will foster connections to the eight standards of mathematical practice, which develop concepts from multiple perspectives. Mathematics I topics focus on the interconnectedness of linear and exponential function elements, tables, graphs, and equations; comparison and contrast and decision-making using Algebraic models; proving Geometric theorems about two dimensional figures; and modeling using mathematical probability. Technology will be used to introduce and expand upon all areas of focus. The SDAIE classes are designed to meet the requirements of a regular class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria

MATHEMATICS II

DURATION: Year Course
 a-g DESIGNATION: c
 GRADES: 9, 10, 11, 12
 PREREQUISITE: Mathematics I

Mathematics 2 is the second course in a series of three that uses an integrated approach to address the following conceptual categories: Number and Quantity, Algebra, Functions, Geometry, Statistics and Probability, and Modeling. The problem situations, models, and technology used will foster connections to the eight standards of mathematical practice, which develop concepts from multiple perspectives. Mathematics 2 topics build on previously learned concepts in Mathematics 1 (linear and exponential functions) and now include quadratic functions, with a focus on the interconnectedness of function elements, tables, graphs, and equations; comparison and contrast and decision-making using Algebraic models. The

need for extending the set of rational numbers arises, and students are introduced to the real and complex numbers. Links between probability and data are explored through conditional probability, and the study of similarity leads to an understanding of right-triangle trigonometry. Technology will be used to introduce and expand upon all areas of focus. The SDAIE classes are designed to meet the requirements of a regular math class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria.

MATHEMATICS III

DURATION: Year Course
a-g DESIGNATION: c
GRADES: 9, 10, 11, 12
PREREQUISITE: Mathematics II

Mathematics III is the third course in a series that uses an integrated approach to address standards selected from the high school conceptual categories (Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability.) The focus of Math 3 is on expanding students' repertoire of functions to include polynomial, rational, and radical functions. They also expand their study of right-triangle trigonometry to include general triangles. In Math II, students bring together all of their experience with functions and geometry (from Math I, II, and III) to create models and solve contextual problems. Technology will be used to introduce and expand upon all areas of focus. Mathematics III is the culmination of the Integrated Pathway. Students completing this pathway will be well prepared for advanced mathematics and should be encouraged to continue their study of mathematics with Pre-calculus or other mathematics electives, such as Statistics and Probability or a course in modeling.

MATHEMATICS 2 Plus

DURATION: Year Course
a-g DESIGNATION: c
GRADES: 9, 10, 11, 12
PREREQUISITE: Mathematics 1

Mathematics II Plus is the second course in the three-course integrated math series. Mathematics II plus provides students with a deeper understanding of advanced content preparing students for Mathematics III Plus. By integrating the Plus (+) standards into Mathematics II Plus and Mathematics II Plus, students will be prepared to enter Calculus AB and forego Pre-Calculus. This course focuses on extending the laws of exponents to rational exponents, comparing the characteristics of functions, solving linear, quadratic, and exponential functions, including their associated inequalities. Students will extend their work with similarity, triangles and coordinate proofs, constructions, congruence, and transformations while using proportional reasoning, trigonometric ratios and the Pythagorean Identity. Mathematics II Plus includes (1) explorations into complex polynomial solutions, (2) the use of the Fundamental Theorem of Algebra, (3) an extension of constructions, and expands theoretical and (4) experimental probability by modeling compound events, permutations and combinations, and fair decision making.

MATHEMATICS 3 Plus

DURATION: Year Course
a-g DESIGNATION: c
GRADES: 9, 10, 11, 12
PREREQUISITE: Mathematics 2 Plus

Mathematics III Plus is the third course in the three-course integrated math series. This course focuses on four major areas. Students will (1) Expand their understanding of functions to include polynomial, rational, and radical functions. In Mathematics II Plus students showed that the Fundamental Theorem of Algebra was true for polynomials; in this course students will apply the theorem to higher order polynomials. Students will know, apply, and prove the Binomial Theorem; (2) Expand right triangle trigonometry to include general triangles and understand, apply and prove

the Laws of Sines and Cosines (3) Extend methods from Mathematics II Honors to more complex situations so as to draw inferences and conclusions from data, use probabilities to make fair decisions, analyze decisions and strategies, and (4) Consolidate functions and geometry to create models and solve contextual problems. Students who complete Mathematics III Plus will be prepared for Calculus AB.

AP PRE-CALCULUS

DURATION: Year Course

a-g DESIGNATION: c

GRADES: 9-12

PREREQUISITE: Math III

This course develops mastery of modeling and functions and engages students in examination of scenarios through multiple representations. Students will learn how to observe, explore, and build mathematical meaning from dynamic systems. AP Precalculus prepares students for other college-level mathematics and science courses.

AP CALCULUS AB

DURATION: Year Course

a-g DESIGNATION: c

GRADES: 11, 12

PREREQUISITE: See Mathematics Sequence III

Knowledge of calculus provides a transition to theoretical analysis of relationships inherent in engineering, science, medical, and business applications. This is an advanced placement course, equivalent to the first semester at the college level. This course will include derivatives and applications, definite integrals and applications, and minimum and maximum values of functions.

AP CALCULUS BC

DURATION: Year Course

a-g DESIGNATION: c

GRADES: 12

PREREQUISITE: AP Calculus AB with a "B" or better or teacher recommendation.

This course develops the concepts of integrals, series, and sequences, conics, parametric equations, and slope fields. This is an advanced placement class, equivalent to a semester at the college level.

AP STATISTICS

DURATION: Year Course

a-g DESIGNATION: c

GRADES: 11, 12

PREREQUISITE: Mathematics III

This is an introductory course in Probability and Statistics with more emphasis on theory. Students will master standards that will allow them to distinguish between and calculate probabilities of dependent and independent events, define and apply conditional probability to problem solving, recognize the standard distributions and apply them in problem solving, calculate standard deviations of normal distributions and use various methods

for organizing data. This course will also provide opportunities to explore these standards in various career contexts, such as epidemiology, economics, and others.

PHYSICAL EDUCATION

FIELD AND COURT SPORT EXPLORATION

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 10,11,12

PREREQUISITE: Successful completion of PE 9. Concurrent enrollment in or completion of PE 10.

This course is designed for students to participate in a variety of court and field sport activities (Lifetime Sports). Students will be provided the opportunity to develop the intermediate and advanced skills in a variety of activities. These activities will include but not be limited to: Volleyball, Basketball, Tennis, Badminton, Archery, Golf, and Soccer. Sports concepts will be emphasized through a variety of activities and tournament play designed specifically for that particular sport and class.

PE IS ALL ABOUT YOU!

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 10, 11, 12

PREREQUISITE: Successful completion of PE 9. Concurrent enrollment in or completion of PE 10.

Ballroom Dance, Yoga, & Movement all in one for a FUN, healthy you Activities will vary throughout the year from dance, yoga, personal fitness to low impact aerobics. Come join in on the FUN. Co-educational: for both girls and boys.

PHYSICAL EDUCATION 9

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 9

PREREQUISITE: None.

This course will provide emphasis on the development of conditioning techniques, health-related fitness, and physical fitness including agility, strength, flexibility, and cardiovascular endurance. Fitness will be assessed and the value of lifetime fitness will be stressed. In addition, this course should further students' knowledge of safety and health and promote leadership and good sportsmanship. The students will participate in team sports, lever sports, aquatics, physical fitness, and be responsible for a personal portfolio. Activities in which students may participate include, but are not limited to: pickleball, soccer, lacrosse, volleyball, basketball, rugby, team handball, softball, swimming, ping pong, and floor hockey. This class is required for all 9th graders. Students must pass PE 9 in order to take PE 10.

PHYSICAL EDUCATION 10-12

DURATION: Year Course

a-g DESIGNATION: None

GRADES: 10, 11, 12

PREREQUISITE: Successful completion of PE 9.

PE 10-12 will continue to provide emphasis on the value of personal fitness and lifetime activities. Students will participate in individual sports, personal fitness, and movement, including more in depth analyzing of skills for effective movement. Along with sport etiquette, the students will also be able to acknowledge and respect stylistic differences in performances. Students will be responsible for a personal portfolio. Activities in which students may participate include, but are not limited to: archery, tennis, golf, badminton, wt. training, dance, and multicultural games. *Students in PE 10-12 may also take an Elective PE course at the same time.*

WEIGHT TRAINING

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 10, 11, 12

PREREQUISITE: None

This course is designated for students to gain a better understanding of the principles of training, health and skill related components of fitness as well as powerlifting. Students learn about safe lifting in the weight room and its benefits to lifetime activity. The student will be taught a variety of different lifting techniques and workout programs for each muscle group to incorporate into their personal fitness plan. The five components of physical fitness will be covered daily. Anatomy, drug use, and muscle enhancements will be taught.

SCIENCE

AP BIOLOGY

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 11, 12

PREREQUISITE: 1) Successful completion of Biology and Chemistry with a "B" or better in each 2) Successful completion of Math 1, Math 2, and Math 3 3) Teacher Recommendation

Advanced Placement Biology is designed to be the equivalent of a first year introductory college biology course. AP Biology is designed for students who have successfully completed foundation courses in Biology and Chemistry. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. It will include those topics regularly contained in a high quality college program in introductory biology.

AP ENVIRONMENTAL SCIENCE

DURATION: Year Course

a-g DESIGNATION: d

GRADE: 11, 12

PREREQUISITE: Earth Science, Biology and Math I

AP Environmental Science, or APES, is an interdisciplinary science course that examines how humans interact with the environment. Topics covered include basic ecological principles, human population growth, natural resources, and environmental concerns. The course concludes with a unit on creating and maintaining a sustainable world. Labs, research projects, field study and personal involvement are instructional components of the course. All College Board standards for APES are covered. The course culminates in the Environmental Science AP exam in May. The successful student can receive credit for one semester of Introductory Environmental Science at most 4-year colleges and universities.

AP CHEMISTRY

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 11,12

PREREQUISITE: None

This course is designed to be the equivalent of two semesters of College-Level General Chemistry. The course covers stoichiometry, redox, thermodynamics, rates, equilibrium, colligative properties, electrochemistry, bonding, quantum atomic structure, nuclear chemistry, gasses, solutions, and acid and base equilibrium. Lab activities, computer simulations, writing, scientific method, and critical thinking skills are emphasized. Successful candidates who pass the AP test may get a full year college credit at UC, Cal State and most private universities. This course will be offered in alternating years: 2007-2008, 2009-2010, etc.

AP PHYSICS 1

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 11,12

PREREQUISITE: Completion of Mathematics II and co-enrolled in Mathematics III

Students will learn physics which is taught at an entry-level Algebra based physics college course. This AP class will help prepare students for a college physics course and give them skills in problem solving.

PHYSICS IN THE UNIVERSE

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 9, 10, 11, and 12

PREREQUISITE: None

Students will gain foundational and conceptual knowledge in this Physics lab course. Students will take this course to satisfy the a-g “d” requirement of one year of physical science. This course will also satisfy a NUSD requirement to complete a one-year physical science lab course. Emphasis is on the development of an intuitive understanding of physics principles, as well as problem solving with the use of mathematics. The laboratory work helps students develop reasoning power and the ability to apply physics principles, as well as acquaint students with sound laboratory techniques. The main

topics of the course are Kinematics (Linear Motion, Free Fall, Projectile Motion, Conservation of Momentum and Energy, Work, Energy, Power, Circular Motion), Gravitation, Thermodynamics, Simple Harmonic Motion, Waves, Light, Sound, Electricity, Magnetism, and the Atomic Nature of Matter. The SDAIE classes are designed to meet the requirements of a regular physics class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria.

PHYSICS

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 10, 11, 12

PREREQUISITE: None.

The course covers motion, momentum, energy, gravitation, heat and thermodynamics, waves and sound, light, electricity, magnetism and nuclear physics. Lab activities, computer simulations, writing, scientific method and critical thinking skills are emphasized.

PRE-AP BIOLOGY

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 9, 10

PREREQUISITE: None.

The Pre-AP Biology course emphasizes the integration of content with science practices - powerful reasoning tools that support students in analyzing the natural world around them. This ability is one of the hallmarks of scientific literacy, and it cultivates a more sustainable pathway to numerous college and career opportunities in science as well as numerous natural and social sciences. This course focuses deeply on the foundational biology knowledge and skills that matter most in preparing students for later course work in science. This course focuses on the core areas of ecological systems, evolution, cellular systems, and genetics. Rather than understanding the topic in isolation, students will make meaningful connections between the structures, processes, and interactions that exist across biological systems.

CHEMISTRY

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 10, 11, 12

PREREQUISITE: Math III, Biology with a grade of a "C"

This pre-advanced placement course covers atomic and molecular structure, chemical bonds, stoichiometry, gasses, solutions, equilibrium, acids and bases, thermodynamics, rates, biochemistry, and nuclear chemistry. Lab activities, computer simulations, writing, scientific method, and critical thinking skills are emphasized.

CHEMISTRY IN THE EARTH SYSTEMS

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 9, 10, 11, 12

PREREQUISITE: None

Students will gain foundational understanding of chemistry as it relates to everyday issues in this chemistry lab course. Students will take this course to satisfy a-g “d” requirement of one year of chemistry. This course will also satisfy an NUSD requirement to complete a one-year chemistry lab course. Chemistry in the Community is designed to be a chemistry class for students planning to attend college as a non-science major. The course is designed around chemically related life and environmental issues and is laboratory oriented. The course will afford them the knowledge to make rational and logical decisions as adults applicable to concepts of chemistry. The main topics of the course are: water purity, chemical resources, petroleum resources and alternatives, chemistry of foods, nuclear chemistry, atmospheric chemistry, biochemistry and industrial chemistry. The SDAIE classes are designed to meet the requirements of a regular chemistry class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria.

HEALTH SCIENCE ACADEMY

DURATION: Year Course

a-g DESIGNATION: d

GRADES: 10, 11, 12

PREREQUISITE: None.

This course will be the foundational/introductory course for the academy focusing on each of the human body systems. This course will provide foundational knowledge and skills of a healthcare worker that include the following: Human Body Pathologies, Health Care Careers, Public Health, Medical Terminology, and skills such as reading and interpreting vital signs (blood pressure), chain of infection, and basic CPR/first aid.

SOCIAL SCIENCE

AMERICAN GOVERNMENT

DURATION: Half Year Course

a-g DESIGNATION: a

GRADES: 12

PREREQUISITE: None.

In this course students apply social studies skills gained in previous years of study. Students will follow the State Standards to learn the basic institutions and the fundamental principles of American Government. The course will encourage students to reflect on the responsibilities of citizenship through examinations of civil rights and liberties. The structure of the federal, state, and local government will be examined and compared. A seven to nine page paper will be required in the first semester whether Economics or Government. This is a one semester course, paired with Economics to create a year long course. The SDAIE classes are designed to meet the requirements of a regular American Government class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria.

ECONOMICS

DURATION: Half Year Course

a-g DESIGNATION: g/a

GRADES: 12

PREREQUISITE: None

Students will be introduced to the basics of the United States economic system including macro and microeconomics, supply and demand, monetary policy and the federal reserve, money and banking, comparisons between differing economic systems, the business cycle and the familiarization of investing and stock market research. Students will acquire the skills to bank and budget, complete taxes, and understand the business section of the

newspaper. Students will complete the stock market project, supply and demand market, financial management budget and a career research project. Community involvement will be required. This is a one semester course, paired with the American Government to create a year long course.

AP HUMAN GEOGRAPHY

DURATION: Year Course

a-g DESIGNATION: a

GRADES: 9-12

PREREQUISITE: None.

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscapes analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course offers a comprehensive view of geography through a course that challenges students to use maps and think about spatial data, understand and interpret the implications of associations among phenomena in places, recognize and interpret at different scales the relationships between patterns and processes, define regions and evaluate the regionalization process, and characterize and analyze changing interconnections between places. This course will be a jumpstart for our incoming 9th grade students to begin to explore the opportunities available to them through AP courses, commonly relegated only to upper class students.

AP GOVERNMENT & POLITICS UNITED STATES

DURATION: Year Course

a-g DESIGNATION: a

GRADES: 12

PREREQUISITE: None.

This course is one year and currently fulfills the requirements for American Government and Economics. Students will become knowledgeable about the political structure and function of the government, the U.S. political process, issues confronting Americans, and the responsibilities of being active participants in a democratic republic. The course follows the description set forth by the College Board. Students will complete a summer assignment and a Fall semester project. Students are strongly encouraged to take the AP Government examination in May.

AP UNITED STATES HISTORY

DURATION: Year Course

a-g DESIGNATION: a

GRADES: 11

PREREQUISITE: World History or World History Advanced

The Advanced Placement Program (AP) course and examination in United States History are intended for qualified students who wish to complete studies in secondary school equivalent to college introductory courses in the U.S. History. This course covers the period of Exploration through the present day and is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The course prepares the students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials - their relevance to a given interpretive problem, their reliability, and their importance - and to weigh the evidence and interpretations presented in historical scholarship. This course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. A summer assignment is assigned and required prior to fall matriculation.

AP WORLD HISTORY

DURATION: Year Course
 a-g DESIGNATION: a
 GRADES: 10
 PREREQUISITE: None.

This full-year course explores the expansive history of the human world. Students learn many facts, but also the critical thinking skills necessary to analyze historical evidence. Five themes will be used as a frame of reference in the chronological study of our world's history; these themes are: Interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. Students will acquire the ability to examine change over time, including the causation of events as well as the major effects of historical developments, the interconnectedness of events over time, and the spatial interactions that occur over time that have geographic, political, cultural, and social significance. It is important for each student to develop the ability to connect the local to the global, and vice versa. Students will learn how to compare developments in different regions and in different time periods as well as contextualize important changes and continuities throughout world history.

PRE-AP WORLD HISTORY W/ GEOGRAPHY

DURATION: Year Course
 a-g DESIGNATION: a
 GRADES: 10
 PREREQUISITE: None.

Students in the California Early College Academy (CECA) are undergoing a college readiness program in preparation for their college experience that begins in grade eleven. The purpose of the *CECA Modern World History and Geography* is to provide each student with fundamental knowledge and skills necessary to understand the historical impact of individuals and events on the contemporary world. Students are provided with the stimulus and guidance that promote a thriving learning environment that enables all students to reach their potential. *CECA Modern World History and Geography* will mirror the curriculum commonly taught in an entry level college course in Western Civilization using AVID methodologies, as well as faithfully adhering to California State Standards for World History. Embedded in *CECA Modern World History and Geography* curriculum are the strands of geography skills required by the California State Standards. Consequently, CECA students will maximize their program specific learning experience by means of *CECA Modern World History and Geography*.

US HISTORY

DURATION: Year Course
 a-g DESIGNATION: a
 GRADES: 11
 PREREQUISITE: None.

In this course, students will continue to develop skills in reading, comprehension, written composition, and vocabulary as they pertain to United States History. The course reviews major themes and events in the U.S. during the 18th and 19th centuries. Major emphasis is placed upon social, political, economic and cultural themes of the late 19th and 20th centuries. The course incorporates primary source materials, historical literature, and research skills. A five to seven page research paper is required, building on English department writing standards and on the skills learned at the sophomore level. The SDAIE classes are designed to meet the requirements of a regular US History class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria.

US HISTORY WITH SOCIAL JUSTICE

DURATION: Year Course

a-g DESIGNATION: a

GRADES: 11

PREREQUISITE: None.

The purpose of this course is to teach the U.S. History from a different perspective - one that emphasizes the role of race and justice in American history. Students will leave with a more thorough understanding of our nation's history and a clearer view of current issues around race and ethnicity in our community. The entire class will be focused on evaluating attainment of ideals set forth in our founding documents for all Americans. This course meets the California State Standards for Social Studies, and satisfies all high school graduation and college admissions requirements.

WORLD GEOGRAPHY

DURATION: Half-Year Course

a-g DESIGNATION: a

GRADES: 9

PREREQUISITE: None.

Based on the National Geography standards, this course explores the relationship between humans and their environment. Students study the human and physical characteristics of "place" including the characteristics of cultures and how various cultures satisfy basic needs in response to the environment. One of the realities of the contemporary world is the increasing influence of other nations in the daily life of the American citizen. This course is designed to provide understanding of the characteristics of the world's major cultures using the five themes of geography as a basis for discovery. Students will also be learning about the basic themes of physical geography through study of climate and weather, human movement, environmental issues, and place-name geography per National Standards for Geography. Students will complete a research report. The SDAIE classes are designed to meet the requirements of a regular World Geography class, but the methodologies used are specially designed to meet the needs of ELL students who are close to meeting the reclassification criteria.

TECHNOLOGY

DIGITAL PHOTOGRAPHY ADVANCED

DURATION: Year Course

a-g DESIGNATION: None

GRADES: 11, 12

PREREQUISITE: Digital Photography Intermediate

This class is a Career Technical Education course offering. In this advanced photography course, students deepen their knowledge of photography by building on the knowledge and skills previously acquired in digital photography. They increase their expertise by working through the advanced Visual and Performing Arts Standards. This course will familiarize the student with advanced photographic equipment, materials, methods and digital processes. Students deepen and broaden their investigation of artistic photography while improving their techniques and developing a personal style. They communicate to others through their artwork and discuss the role and purpose of the art being produced. In creating their own work and by studying the photographs of others, students increase their ability to make informed aesthetic judgments. Students complete a portfolio of advanced digital photography and exhibit their work in public forums.

DIGITAL PHOTOGRAPHY

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10, 11, 12

PREREQUISITE: Recommend basic computer skills

Digital Photography is a year long course where students learn photography using digital cameras and computer based image manipulation. This class is a Career Technical Education course offering. Emphasis of the state standards are taught and applied in this course. While developing skills, using the language terminologies and techniques of digital photography, students will create a professional portfolio and exhibit their photos as works of art in the community. In the first semester, students are introduced to the origins and historical development of photography, learning and understanding the Historical and Cultural contribution photography has made in the last 19th century to present times. Additionally, students learn the techniques and workflow associated with shooting, creating, and printing digital works of art. Students are taught digital camera operation, composition, and creative expression. As students combine what they have learned in the first quarter, students learn to appreciate and create original works of art based on their own personal experiences in the Creative Expression process.

GRAPHIC ART & DESIGN I

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 9,10, 11, 12

PREREQUISITE: None.

This yearlong course focuses on computer-generated graphics, introducing students to graphic layout programs including, Photoshop, imovies, Flash, Dreamweaver, and others commonly used in the professional advertising workplace. Students will explore various aspects of the graphics process including: the design process, logo creation, scanning, digital photography/video downloading, file preparation for printing and much more. Printing, graphic design history and career opportunities will be explored. Students will create real life projects like CD covers and candy wrappers. This course develops essential skills, emphasizing technology and visual art terminology needed for today's Professional Graphic Artist.

GRAPHIC ART & DESIGN II

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 10, 11, 12

PREREQUISITE: GRAPHIC ART AND DESIGN I

This year-long course will continue to build students' understanding of computer-generated graphics, the principles of design, and the creation of a graphic design product from concept to presentation. Students will continue working with Adobe Photoshop, InDesign and Illustrator at a more advanced level. Students will continue to explore various aspects of the graphics process including: the design process, brand identity creation, scanning, digital photography manipulation, publication layout, file preparation for printing and more. Printing, graphic design history and career opportunities will be explored. Students will create real life projects like magazine layouts and posters. This course develops essential workplace skills, emphasizing the professionalism, technology, and visual art terminology needed for today's Graphic Designer.

AP SEMINAR

DURATION: Year Course

a-g DESIGNATION: g,

GRADES: 10, 11, 12

PREREQUISITE: English 9

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. In AP Research, students cultivate the skills and discipline necessary to conduct independent research in order to produce and defend a scholarly academic thesis. The AP Capstone program aims to empower students by engaging them with rigorous college-level curricula focused on the skills necessary for successful college completion; extending their abilities to synthesize information from multiple perspectives and apply skills in new situations and cross-curricular context enabling them to collect and analyze information with accuracy and precision, cultivating their abilities to craft, communicate and defend evidence-based arguments; and providing opportunities for them to practice disciplined and scholarly research skills while exploring relevant topics that appeal to their interest and curiosity.

INTRODUCTION TO ENGINEERING DESIGN

DURATION: Year Course

a-g DESIGNATION: g

GRADES: 9,10, 11, 12 PREREQUISITE: None.

Designed for 9th or 10th grade students, the major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.

AUTOMOTIVE ENGINE REPAIR

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 9, 10, 11, 12

PREREQUISITE: None

Year One, Small Engine Repair is an introductory course into the study of the various aspects that encompass the automotive industry and its related fields. These studies include the interaction of science and technology as they apply to the automotive transportation systems and the engineered subsystems that are responsible for the proper functioning of automobiles, an examination of current professional and safety standards mandated in trade-based environments, and the development of hand-tool and machinery competency.

CONSTRUCTION TECHNOLOGY

DURATION: Year Course

a-g DESIGNATION: g

GRADES: 11

This competency-based course prepares students to work in the construction industry. The course is designed to provide students with technical instruction and practical experience in basic residential and commercial construction through classroom instruction and applied practice of field skills. Instruction includes an introduction, workplace safety, reviews of resource management, trade mathematics, employability skills, and apprenticeship preparation. Emphasis is placed on the techniques, tools, and materials required for the rough and finish carpentry, estimating, plumbing and electrical work, renewable energy, roofing, and painting. The competencies in this course are aligned with the California Career Technical Education Model Curriculum Standards. At the end of the course, students will research and evaluate apprenticeship, employment, and secondary schooling opportunities.

MUSIC PRODUCTION AND RECORDING ARTS I

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9-12

PREREQUISITE: None

This course is the first of two for the Music Production Pathway and is designed to expose and prepare students for career opportunities in the audio field. This will be accomplished through learning the basic principles of signal flow, multi-track recording, MIDI Programming, and digital audio workstations. It will serve as an introduction to the theory and practice of audio in radio, television, film, and music production. Students will read articles from scholarly and commercial literature, learn the fundamentals of the design of recording digital equipment, and carry out planned lab activities using industry standard software.

VAPA

ART 1

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10, 11, 12

PREREQUISITE: None.

Instruction in drawing, painting, design, and sculpture will be emphasized with references to famous artist. This class will provide students with many opportunities for creative expression. The state standards for art are covered conceptually in this course. This course is open to first year art students.

ART 2

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 10,11, 12

PREREQUISITE: Successful completion Art 1 with a "C" or better

This one-year course is designed for the student that is already familiar with art and would like to further their knowledge. There is a concentration in drawing, oil painting, watercolor painting, and airbrush techniques and methods. Students will learn to distinguish a variety of techniques and artists from different time periods of American Art History. Students will learn historical and cultural context through reading and studying works by individual artists to determine their function in society. The students will learn about various careers related to the arts. This course is open to second year art students. An art portfolio will be required.

BAND BEGINNING

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10, 11, 12

PREREQUISITE: None.

This course is designed for 9-12 grade beginning instrumentalists. In addition to music performance, students will also learn about music theory, music history, and the importance of studying music. Ensemble performance will be the main focus of this course in preparation for advanced band. There will be co-curricular rehearsals and performances throughout the year.

BAND, INTERMEDIATE

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10, 11, 12

PREREQUISITE: Completion of Beginning Band, Middle School

This course is designed primarily for 9th grade band instrumentalists but is open to students in other grades as well. Students in this course will deepen their knowledge of music theory, musical literature and musicianship. Performing as an ensemble will be emphasized in preparation for Concert Band. There will be co-curricular rehearsals and performances throughout the school year.

BAND, ADVANCED (CONCERT BAND)

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10, 11, 12

PREREQUISITE: Completion of Intermediate Band, Middle School Advanced Band and Instructor's approval or by audition.

The course features the premier performing instrumental ensemble. Students in this course will further deepen their knowledge of music theory, musical literature and musicianship. Performing as an ensemble in a unified musical manner will be emphasized.

The wide variety of literature presented in this course will challenge the student's performance ability in technique, range, intonation, phrasing, style and dynamics. This class will perform as Pep Band and Marching Band with the Drum Corps as well as Concert Band. Musicians in this class will make up the bulk of the Jazz Ensemble. There will be co-curricular rehearsals, performances, outside trips and festivals associated with this course.

CERAMICS ADVANCED

DURATION: Year Course

a-g DESIGNATION: None.

GRADES: 10,11, 12

PREREQUISITE: Successful completion of Beginning Ceramics

This class will give students an opportunity to advance their skills and abilities in ceramics as developed in Beginning Ceramics. They will learn to develop their own projects, critique the work of others and expand their abilities to bring individual ideas into finished pieces of art. On a regular basis students will be introduced to work produced by individual ceramic artists spanning cultures and time periods to widen their understanding of ceramics as a global art form. Class work includes a journal/sketchbook, gallery visits and participating in art shows.

CERAMICS BEGINNING

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10,11, 12

PREREQUISITE: None

This class is an introduction to ceramics as a visual art form while exploring clay techniques, methods and processes. Various methods and techniques used to create both functional and non-functional ceramics will be taught in this class. The focus of the hands-on portion of the class will include hand building and wheel throwing and the processes involved in kiln firing and decoration necessary to bring a raw piece of clay and an idea into a valued piece of ceramics. During the course, historical and aesthetic aspects of ceramics will be introduced giving the students a cultural context for ceramics and pottery as an art form with ancient roots in every civilization.

DIGITAL PHOTOGRAPHY ADVANCED

DURATION: Year Course

a-g DESIGNATION: None

GRADES: 11, 12

PREREQUISITE: Digital Photography Intermediate

This class is a Career Technical Education course offering. In this advanced photography course, students deepen their knowledge of photography by building on the knowledge and skills previously acquired in digital photography. They increase their expertise by working through the advanced Visual and Performing Arts Standards. This course will familiarize the student with advanced photographic equipment, materials, methods and digital processes. Students deepen and broaden their investigation of artistic photography while improving their techniques and developing a personal style. They communicate to others through their artwork and discuss the role and purpose of the art being produced. In creating their own work and by studying the photographs of others, students increase their ability to make informed aesthetic judgments. Students complete a portfolio of advanced digital photography and exhibit their work in public forums.

DIGITAL PHOTOGRAPHY

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10, 11, 12

PREREQUISITE: Recommend basic computer skills

Digital Photography is a year long course where students learn photography using digital cameras and computer based image manipulation. This class is a Career Technical Education course offering. Emphasis of the state standards are taught and applied in this course. While developing skills, using the language terminologies and techniques of digital photography, students will create a professional portfolio and exhibit their photos as works of art in the community. In the first semester, students are introduced to the origins and historical development of photography, learning and understanding the Historical and Cultural contribution photography has made in the last 19th century to present times. Additionally, students learn the techniques and workflow associated with shooting, creating, and printing digital works of art. Students are taught digital camera operation, composition, and creative expression. As students combine what they have learned in the first quarter, students learn to appreciate and create original works of art based on their own personal experiences in the Creative Expression process. In the second semester, through Artistic Perception and Aesthetic Valuing, students develop the ability to critique photographs using the elements and principles of design as their expressive vocabulary, possessing the knowledge to describe, analyze, interpret, and respond to various photographs as works of art in an intellectual and thoughtful manner.

Students are also taught how to Connect, Relate and Apply what they have learned in photography to other art forms, subjects areas and careers opportunities. Lastly, students are encouraged to explore and experiment, concentrating and developing their own personal style and artistic vision, while continuing to critique their work, as well as the works of others based on what they have learned, creating their own individual portfolio as an understanding of black and white photography as a form of art.

DRAMA, ADVANCED

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 10, 11, 12

PREREQUISITE: Drama, Beginning or Teacher Recommendation

This course is designed for students who wish to commit to the continued study of theater. Much emphasis will be placed on further development of acting skills as begun in Beginning Drama. Students will gain performance experience with both classical and contemporary pieces, as well as continuing the study of theater history. Students will also gain knowledge and experience in other areas of theatrical production, such as directing, design, stage management, and technical crew. Participation in school theatrical productions, either on stage or behind the scenes, is required; therefore, students are expected to be available for rehearsals beyond class time.

DRAMA, BEGINNING

DURATION: Year Course

a-g DESIGNATION: f

GRADES: 9, 10, 11, 12

PREREQUISITE: None.

This course is designed to introduce the student to a broad scope of theater experience, both as an active participant as well as an informed audience member. Much of the course will be a performance-based approach to the study of acting. The student will become familiar with the basics of theater production, such as scene writing, directing and design. The student will also learn elements of the history of theater. Additionally, the student will learn to view drama with a critical eye, critiquing performances both in and out of class using the language and vocabulary of theater.

GRAPHIC ART & DESIGN I

DURATION: Year Course
 a-g DESIGNATION: f
 GRADES: 9,10, 11, 12
 PREREQUISITE: None.

This yearlong course focuses on computer-generated graphics, introducing students to graphic layout programs including, Photoshop, iMovies, Flash, Dreamweaver, and others commonly used in the professional advertising workplace. Students will explore various aspects of the graphics process including: the design process, logo creation, scanning, digital photography/video downloading, file preparation for printing and much more. Printing, graphic design history and career opportunities will be explored. Students will create real life projects like CD covers and candy wrappers. This course develops essential skills, emphasizing technology and visual art terminology needed for today's Professional Graphic Artist.

GRAPHIC ART & DESIGN II

DURATION: Year Course
 a-g DESIGNATION: None.
 GRADES: 10, 11, 12
 PREREQUISITE: GRAPHIC ART AND DESIGN I

This year-long course will continue to build students' understanding of computer-generated graphics, the principles of design, and the creation of a graphic design product from concept to presentation. Students will continue working with Adobe Photoshop, InDesign and Illustrator at a more advanced level. Students will continue to explore various aspects of the graphics process including: the design process, brand identity creation, scanning, digital photography manipulation, publication layout, file preparation for printing and more. Printing, graphic design history and career opportunities will be explored. Students will create real life projects like magazine layouts and posters. This course develops essential workplace skills, emphasizing the professionalism, technology, and visual art terminology needed for today's Graphic Designer.

PERCUSSION ENSEMBLE

DURATION: Year Course
 a-g DESIGNATION: f
 GRADES: 9, 10, 11, 12
 PREREQUISITE: None

This is a specialized course offering students a range of musical experiences in percussion technique. Students will learn, develop and perform techniques found and grounded in the art of percussion and battery instruments. Mastery of these techniques by the student will be demonstrated through actual performance settings through cadences and other percussion ensemble mediums. This course is suited to the abilities of beginning as well as advanced students. This class will be merged with the Marching Band as the Drum Corps. Percussionists in this class may perform with the Concert Band and the Jazz Ensemble. There will be co-curricular rehearsal, performances, outside trips and festivals.

WORLD LANGUAGES

AP FRENCH LANGUAGE

DURATION: Year Course
 a-g DESIGNATION: e
 GRADES: 11, 12
 PREREQUISITE: Grade of "C" or better in French 3

This is an advanced course in speaking, understanding, reading and writing in French. In this class, students will improve the accuracy and fluency of their communication in French. They will refine their ability to communicate in present, past and future time information about their appearance, personality, family, and friends, daily activities, and likes and dislikes. Students will also improve their ability to persuade and command others and to express their opinions, probability and doubt. They will learn to organize their thoughts and express opinions in extended critical essays. They will further their understanding of the historical basis of similarities and differences in values and lifestyles between their culture and the cultures of French-speaking nations around the world. Emphasis will be placed on developing and expanding vocabulary through the use of diverse literary and journalistic selections and authentic French-language media. This course will prepare students to take the French AP exam for advanced placement in college.

AP SPANISH LANGUAGE

DURATION: Year Course
 a-g DESIGNATION: e
 GRADES: 10, 11, 12
 PREREQUISITE: Grade of "C" or better in Spanish 3 or instructor approval.

This is a yearlong advanced course in speaking, understanding, reading, and writing Spanish. In this class students will improve the accuracy and fluency of their communication in Spanish. They will refine their ability to communicate in present, past, and future tense about their appearance, personality, family, teachers, friends, daily schedule, activities, likes and dislikes. They will improve their ability to express with fluency and accuracy opinions, various degrees of certainty, probability and doubt, and they will strengthen their ability to persuade and command others. They will learn to organize their thoughts and express their opinions in extended critical essays. This course will prepare students to take the AP exam for advance placement in college.

AP SPANISH LITERATURE

DURATION: Year Course
 a-g DESIGNATION: e
 GRADES: 10, 11, 12
 PREREQUISITE: Oral and written fluency in Spanish or a grade of "C" or better in Spanish Language AP or in Spanish

Language for Native Speakers or instructor approval.

In this year-long class, fluent or near fluent Spanish speaking students will learn to interpret and comment in Spanish on representative works of literature written in Spanish. Poems, stories, essays, plays, and novels representing various literary periods will be studied. Students will learn to organize their reactions to literary works in extended critical essays. This course will prepare students to take the Spanish Literature AP exam for advanced placement in college. It may be taken either before or after Spanish Language for Native Speakers or Spanish Language AP for Native Speakers.

FRENCH 1

DURATION: Year Course

a-g DESIGNATION: e

GRADES: 9, 10, 11

PREREQUISITE: None.

This is a yearlong introductory course in speaking, comprehending, reading, and writing French. Elementary grammar and vocabulary for daily situations and basic language concepts are a part of the curriculum. This course will also include some history, culture, and the geography of various French-speaking countries.

FRENCH 2

DURATION: Year Course

a-g DESIGNATION: e

GRADES: 9, 10, 11, 12

PREREQUISITE: Grade of "C" or better in French 1 or instructor approval

This is a yearlong intermediate course in speaking, comprehending, reading and writing French. Students will learn to discuss and write about present, past and future events and to express personal preferences and opinions in French. Vocabulary development and enrichment is also emphasized in a communication-based classroom environment. This course will also include continued exploration of culture, history, and geography of the French-Speaking world.

FRENCH 3

DURATION: Year Course

a-g DESIGNATION: e

GRADES: 10, 11, 12

PREREQUISITE: Grade of "C" or better in French 2 or instructor approval

This yearlong intermediate course is designed for students who wish to learn to speak and understand French with a greater degree of fluency and accuracy. The primary emphasis in this course is on oral communication, but the honing of reading and writing skills is also stressed. This course includes class discussions, interviews, and compositions about a variety of personal, literature-based, and current event topics. Grammatical principles previously introduced are expanded, and additional ones are presented as student's progress. Emphasis is also placed on developing and expanding vocabulary.

SPANISH 1

DURATION: Year Course

a-g DESIGNATION: e

GRADES: 9,10, 11

PREREQUISITE: None.

In this yearlong introductory course, students will learn to communicate in Spanish, information about daily schedules, activities, likes and dislikes. Students will also learn to describe appearance, personality, family, teachers, and friends. Finally, they will learn fundamental similarities and differences in lifestyle between the United States and Hispanic cultures. Native speakers of Spanish are encouraged to enroll in Spanish for Native Speakers 1 or 2 .

SPANISH 2

DURATION: Year Course
 a-g DESIGNATION: e
 GRADES: 9,10, 11
 PREREQUISITE: Grade of "C" or better in Spanish 1 or instructor approval

In this yearlong intermediate course, students will learn to communicate in Spanish in present, past, and future tense, information about appearance, personality, family, teachers, friends, daily schedule, activities, likes and dislikes. They will learn to express opinions, various degrees of probability, doubt and certainty, and will learn to persuade and command others. Finally, they will further their understanding of similarities and differences in values and lifestyles between the United States and Hispanic cultures. Native speakers of Spanish are encouraged to enroll in Spanish for Native Speakers 1 or 2.

SPANISH 3

DURATION: Year Course
 a-g DESIGNATION: e
 GRADES: 10, 11, 12
 PREREQUISITE: Grade of "C" or better in Spanish 2 or instructor approval.

This is an advanced one-year course designed for students who wish to learn to speak and understand Spanish with a greater degree of fluency and accuracy. The primary emphasis of this class is the extension of oral communication, as well as the honing of reading and writing skills. The course includes class discussions, interviews, and compositions about a variety of personal, literature-based, and current events topics. Grammatical principles developing and expanding vocabulary.

SPANISH FOR NATIVE SPEAKERS 1

DURATION: Year Course
 a-g DESIGNATION: e
 GRADES: 9,10,11, 12
 PREREQUISITE: Fluency in spoken Spanish or instructor approval

In this year-long course, native Spanish speakers will be exposed to the grammar fundamentals of the Spanish language. Students will strengthen their ability to express themselves in Spanish, both orally and in writing. Using advanced thematic vocabulary, they will learn to organize, write, and revise critical essays based on class discussions and readings. Heavy emphasis is given to grammar and linguistics in Spanish writing. Students in this course will be prepared to take the following course in these series, Spanish for Native Speakers 2.

SPANISH FOR NATIVE SPEAKERS 2

DURATION: Year Course
 a-g DESIGNATION: e
 GRADES: 10, 11, 12
 PREREQUISITE: Fluency in spoken Spanish, instructor approval or completion Spanish Language for Native Speakers I with a "C" or better grade.

In this year-long course, native Spanish speaking students will refine and strengthen their ability to express themselves in Spanish in both reading and writing. Students will practice reading and writing in Spanish successfully. Using an expanded vocabulary, they will learn to organize, write, and revise critical essays based on class discussions and readings. This course will prepare students to take the Spanish Language AP course for the preparation of the Spanish Literature Advanced Placement exam. Emphasis is on reading analysis both orally and in writing.