

TRAVIS UNIFIED SCHOOL DISTRICT



VANDEN HIGH SCHOOL

2026-2027

CURRICULUM GUIDE



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VANDEN HIGH SCHOOL GRADUATION REQUIREMENTS

Vanden Graduation Requirements	220 Total Credits *
English	40 Credits
Physical Education	20 Credits
Mathematics (incl. Algebra)	20 Credits
Science (Physical Sci. & Life Sci.)	20 credits
World History	10 Credits
US History	10 Credits
Government	10 Credits
World Language, Fine Art, or Career Technical Education (CTE)	10 Credits
Economics	5 Credits
Electives*	75 Credits

*Starting with the class of 2029, there will be an adjusted set of Vanden High School Graduation Requirements to account for the addition of a semester of an Ethnic Studies course. Total credits needed for graduation will remain at 220.

MINIMUM UC/CSU ADMISSION REQUIREMENTS (A-G)

A-G College Entrance Requirements	Applicable to UC/CSU Schools
Area A: History	2 years required
Area B: English	4 years required
Area C: Mathematics	3 years required 4 years recommended
Area D: Laboratory Science	2 years required 3 years recommended
Area E: Language other than English *	2 years required 3 years recommended
Area F: Visual and Performing Art	1 year required
Area G: College Prep Elective +	1 year required

*Must be two consecutive years of same language

+Refer to UC/CSU approved course list for college prep electives

GRADUATION CEREMONY REQUIREMENTS

Students who have completed 220 credits and met all high school graduation requirements may participate in the graduation ceremony.

Note: Students cannot have any outstanding debt obligations for books, laptops, uniforms, services, etc. Students with outstanding obligations will not be allowed to participate in the graduation ceremony.

Students lacking the necessary credit requirements for graduation may remediate missing credits for certain courses when summer school is offered. Students who do not complete the necessary credits during summer school may petition for more time during the fall. Student Attendance Review Board will determine eligibility for an additional semester of high school.

California School Dashboard

The [California School Dashboard \(Dashboard\)](#) is an online tool designed to help communities, stakeholders, parents, and other interested parties across the state access important information about schools and districts that support learning for grades K-12. The Dashboard features easy-to-read reports identified by eleven measures of school success (Six state measures, and five local measures). The six state measures allow for comparisons across schools and districts:

- Academic Performance
- Chronic Absenteeism
- College/Career Readiness
- English Learner Progress
- High School Graduation Rate
- Suspension Rate

Results are presented for all districts, schools, and defined student groups (e.g. racial/ethnic groups, low income, English learners, homeless, foster youth, and students with disabilities).

For the 2024 Dashboard, schools and districts receive one of five performance levels for each eligible state measure except College/Career Readiness. Performance levels are determined using the current year and prior year data and are given a color range from Red to Blue.

Schools and districts with high school graduates receive a status level ranging from Very Low to Very High for College/Career Readiness.

The five local measures are based on information collected by districts, county offices of education, and charter schools.

- Basic Conditions
- Implementation of Academic Standards
- School Climate Surveys
- Parent Involvement and Family Engagement
- Access to Courses

Districts receive a rating of Met, Not Met, or Not Met for Two or More Years for local measures.

COLLEGE AND CAREER INDICATOR

This indicator is used to determine if students have achieved sufficient experience through high school to be considered prepared, approaching prepared, or not prepared to enter the workforce or college. This applies to all students in a four-year graduation cohort (except students who take the California Alternative Assessment). Students in California are considered prepared for college and career if at least **one** of the following criteria are met:

- A. Career Technical Education (CTE) Pathway Completion plus one of the following criteria: - Smarter Balanced Summative Assessments: At least a Level 3 “Standard Met” on English language arts/literacy (ELA) or Mathematics and at least a Level 2 “Standard Nearly Met” in the other subject area - One semester/two quarters of Dual Enrollment with passing grade (Academic/CTE subjects)
- B. At least a Level 3 “Standard Met” on both ELA and Mathematics on Smarter Balanced Summative Assessments
- C. Completion of two semesters/three quarters of Dual Enrollment with a passing grade (Academic and/or CTE subjects)
- D. Passing Score on two Advanced Placement (AP) Exams or two International Baccalaureate (IB) Exams
- E. Completion of courses that meet the University of California (UC) a-g criteria plus one of the following criteria: - CTE Pathway completion - Smarter Balanced Summative Assessments: At least a Level 3 “Standard Met” on ELA or Mathematics and at least a Level 2 “Standard Nearly Met” in the other subject area - One semester/two quarters of Dual Enrollment with passing grade (Academic/CTE subjects) - Passing score on one AP Exam OR on one IB Exam

Students in California are considered to be approaching prepared for college and career if at least **one** of the following criteria are met:

- A. CTE Pathway completion
- B. Scored at least Level 2 “Standard Nearly Met” on one or both ELA and Mathematics Smarter Balanced Summative Assessments

- C. Completion of one semester/two quarters of Dual Enrollment with passing grade (Academic/CTE subjects)
- D. Completion of courses that meet the UC a-g criteria

If a student does not meet the approaching or the prepared criteria, they are considered not prepared by the California College/ Career Indicator Model.

NCAA GUIDELINES FOR STUDENT-ATHLETES

To play sports at a Division I or II school, students must graduate from high school, complete 16 NCAA-approved core courses, and earn a minimum qualifying GPA.

DIVISION I ACADEMIC REQUIREMENTS

- 4 years of English
- 3 years of Math (Algebra 1 and higher)
- 2 years of Natural/Physical Science (one year of lab)
- 1 additional year of English, Math or Natural/Physical Science
- 2 years of Social Science
- 4 years of additional coursework (any of the above areas, World language)

DIVISION II ACADEMIC REQUIREMENTS

- 3 years of English
- 2 years of Math (Algebra 1 and higher)
- 2 years of Natural/Physical Science
- 2 years of Social Science
- 3 years of additional coursework in English, Math, or Natural/Physical Science
- 4 years of additional coursework in English, Math, Natural/Physical Science, Social Science or World Language

NCAA ELIGIBILITY CENTER DOES NOT OVERSEE DIVISION III ACADEMIC REQUIREMENTS

GRADE POINT AVERAGE

- DI requires a minimum GPA of 2.3
- DII requires a minimum GPA of 2.2

NCAA-APPROVED COURSES AT VANDEN HIGH SCHOOL can be found at:

<https://web3.ncaa.org/hsportal/exec/hsAction?hsActionSubmit=searchHighSchool>

ACADEMIC REQUIREMENTS

To study and compete at a Division I or II school, you must earn 16 NCAA-approved **core-course credits**, earn a minimum 2.3 (Division I) or 2.2 (Division II) **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

CORE-COURSE REQUIREMENTS

DIVISION I

Earn 16 NCAA-approved core-course credits in the following areas:



For Division I, 10 of your 16 NCAA-approved core-course credits must be completed before the start of your seventh semester, including seven in English, math or science.

DIVISION II

Earn 16 NCAA-approved core-course credits in the following areas:



UC/CSU-APPROVED COURSE LIST

University of California / California State University a-g Requirements Approved Course List: <https://doorways.ucop.edu/list/>

All California-resident freshman applicants will receive a full review of their applications if they:

- Complete 15 UC-required college-preparatory (“a-g”) courses, with 11 of those done by the end of 11th grade,
- UC’s require a minimum GPA of 3.0 or better with no grade lower than a C; CSU’s require a C or better in each of the A-G requirements

A – History / Social Science – 2 years required

Two years of history/social science, including one year of World History, Cultures or Geography; and one year of US History or one-half year of US History and one-half year of American Government/Civics.

- American Government
- AP US Government & Politics
- U.S. History
- AP U.S. History
- World History
- AP World History

B – English – 4 years required

Four years of college preparatory English.

- English 1
- English 1 Honors
- English 2
- English 2 Honors
- English 3
- AP English Language & Composition
- English 4
- AP English Literature & Composition

C– Mathematics – 3 years required; 4 years recommended

Three years of college preparatory mathematics that includes the topics covered in Elementary Algebra/Algebra 1, Geometry and Advanced Algebra/Algebra 2. Approved Integrated Math courses may be used to fulfill part or all of this requirement.

- Algebra 1
- Geometry
- Algebra 2
- Trigonometry/Pre-Calculus
- AP Calculus AB
- Statistics
- AP Statistics
- AP Computer Science A

D – Laboratory Science – 2 years required; 3 years recommended

Two years of laboratory science, including two of the three fundamental disciplines of Biology, Chemistry and Physics. This requirement can also be met by completing the latter two years of a 3-year Integrated Science program.

- Physics in the Universe / Physics in the Universe Honors
- Biology of the Living Earth / Biology of the Living Earth Honors
- Chemistry in the Earth System / Chemistry in the Earth System Honors
- AP Physics 1
- AP Biology
- Biotechnology
- AP Computer Science Principles
- AP Environmental Science

E– Language Other than English – 2 years required; 3 years recommended

Two years of the same language other than English.

- French 1

- French 2
- French 3
- French 4
- French 5
- AP French Language and Culture
- German 1
- German 2
- German 3
- German 4
- German 5
- Latin 1
- Latin 2
- Latin 3
- Latin 4
- AP Latin
- Spanish 1
- Spanish 2 / Spanish 2 Honors
- Spanish 3 / Spanish 3 Honors
- Spanish 4
- Spanish 5
- AP Spanish Language and Culture
- Spanish for Spanish Speakers 1
- Spanish for Spanish Speakers 2

F– Visual & Performing Arts – 1 year required

- Art 1 - Fundamentals
- Art 2 – Sculpture
- Art 2 - Drawing & Painting
- Art 3 – Ceramics
- Art 3 – Advance Drawing and Painting
- AP Studio Art: Drawing
- AP Studio Art: 3D Design
- Concert Choir
- Introduction to Theater
- Intermediate Drama
- Advanced Drama
- Jazz Band
- Symphonic Band
- Wind Ensemble
- Basic Piano Keyboarding
- Video Production
- Advanced Video Production
- Desktop Publishing 1-4

G – Elective – 1 year required

One year (two semesters), in addition to those required in “a-f” above. All courses must be listed under “a-f” above with the exception of courses marked with a blue diamond (see Doorways website) in Mathematics, Language Other than English, and VPA; plus, the following:

- Economics
- AP Microeconomics/ AP Macroeconomics
- Astronomy
- Forensics
- Genre Studies
- Introduction to Psychology
- Medical Science 1

- Medical Science 2
- Leadership
- Virtual Enterprise
- Business 1-2
- Adulting 101
- Advanced Ethnic Studies
- Aerospace Science 1-4

COLLEGE ENTRANCE EXAMS

All prospective first year/freshmen university applicants may need to submit test scores for either the SAT or ACT exam as each university has their own guidelines for testing requirement. The UC/CSU testing requirements are highlighted below. Students must be sure to take exams no later than December of senior year to ensure that their application receives full consideration.

Visit [Collegeboard.com](https://collegeboard.com) to learn more about the SAT tests and to register online to take the SAT test. For more information about the ACT and to register for the test and send scores, go to [ACT.org](https://act.org).

Eligible students can access fee waivers for college entrance exams. Please see your counselor for more information.

UC EXAMINATION REQUIREMENT

The University of California (UC) will not consider SAT or ACT test scores when making admissions decisions or awarding scholarships. If you choose to submit test scores as part of your application, they may be used as an alternative method of fulfilling minimum requirements for eligibility or for course placement after you enroll.

CSU EXAMINATION REQUIREMENT

California State University (CSU) will no longer consider ACT or SAT test scores in the admissions process. Any test scores submitted by admitted students will be considered only for purposes of student placement in Math or English courses. Press Release [here](#).

2026-2027 SAT and ACT TEST DATES

The most current information on PSAT, SAT and AP Exams can be found at: www.collegeboard.org/

The most current information on the ACT can be found at: www.act.org

COMMUNITY COLLEGES

Admission to California community colleges is open to anyone who is a high school graduate, has the equivalency of a high school diploma, or is at least 18 years old and shows evidence of being able to benefit from instruction.

Community College Programs:

1. Transfer programs for students planning to transfer to one of the state university systems (CSU, UC) the beginning of their junior year.
2. Students who do not meet all UC or CSU entrance requirements at the time of high school graduation may attend a Community College until entrance requirements are met, then apply to the university system.
3. Certificate programs which give specialized training without general education requirements.
4. Vocational training in business, technical, skilled and paraprofessional occupations.
5. Associate Degree (2 years).

Two-year colleges in our area include:

- *Solano Community College:* www.solano.edu
- *Napa Valley Community College:* www.napavalley.edu
- *Sacramento City College:* www.scc.losrios.edu
- *California Community College website:* www.cccco.edu

OTHER SCHOOLS AND COLLEGES

Specific requirements for admission to private or independent colleges and universities vary considerably. Refer to the catalog or Admission Bulletin of the institution under consideration.

Tests such as SAT Reasoning Test and ACT are required by most colleges.

It is the student's responsibility to learn about these requirements and meet application deadlines.

PROCEDURE:

1. Check the Counseling website for college websites, catalogs, and other information regarding the college/university.
2. Check with your counselor regarding admission requirements to the college/university. This conversation should begin early in your high school career. Don't wait until 12th grade to begin your college research.
3. Check college websites for entrance requirements, courses of study, and degree programs:
 - **www.csummentor.edu** (CSU website)
 - **www.universityofcalifornia.edu** (UC website)
 - **www.aiccu.edu** (for CA's 71 independent schools)
 - **www.californiacolleges.edu** (showcases all CA schools)
4. Discuss with your family the information you receive about the college. Discuss the academic programs, cost of attending the school, living on or off campus, etc.
5. Evaluate your high school course selections and your transcript each year of high school. Make sure you complete entrance requirements for your chosen institution.
6. SENIOR YEAR: Be aware of deadlines! Mark your calendar with due dates for college boards, college applications, scholarships, and financial aid. Check your senior newsletter! Check with your counselor!

ACHIEVING ACADEMIC SUCCESS

Parent support is an important factor for a student's academic success. Help your student develop study habits that suit their learning style and model positive communication skills.

All parents and students should create an Aeries account to access grades, attendance, etc. Keeping track of assignments and grades is an important part of having a successful academic year. The best way to achieve academic success is through regular communication between the student, teacher, and parent. If a student begins struggling in a course, it is strongly encouraged that they work with their teachers to improve their grades. Formal student/parent/teacher conferences can be scheduled by contacting the counseling office.

ADVANCED PLACEMENT COURSES

Deciding to take an AP course lets students experience college level courses. However, AP courses are rigorous, often take more time, require more work, and go into greater depth. Students and parents must sign AP contracts acknowledging receipt of thorough descriptions of course demands and time commitments. When you select your classes for the next year, consider the homework load expected to be successful. An AP course should be taken only in areas of great interest or talent. Each AP and Honors class description lists the expected homework required for the course. It is important to consider other obligations and extracurricular activities you participate in when selecting courses for next year.

It is recommended that students take no more than 3 AP/Honors courses. Students need to consider maintaining social/emotional balance and minimizing stress. If a student decides to take more than the recommended AP/Honors coursework, a parent/student advisory meeting will be required with the counselor.

Taking an AP course also gives students the preparation for taking the AP exams in May. There is a cost to take exams. Fee reductions are available for those students that qualify. Students that receive a high enough score on the exam may receive college credits. Each university awards credits differently. AP credit policy can be found at Collegeboard.org. For the most up-to-date AP credit policy, be sure to check the institution's website.

LIST OF VANDEN AP COURSES

AP Studio Art: Drawing
AP Studio Art: 3D Design
AP English Lang & Comp
AP English Lit & Comp
AP French Language
AP Latin
AP Spanish Language
AP Calculus AB
AP Statistics
AP Physics 1

AP Biology
AP Environmental Science
AP Computer Science A
AP Computer Science Principles
AP US Government & Politics
AP Microeconomics
AP Macroeconomics
AP US History
AP World History

CONCURRENT COMMUNITY COLLEGE ENROLLMENT

Students may wish to enroll concurrently in courses offered in the Community College system to foster individual achievement, increase opportunities for students to complete college preparatory course requirements and/or participate in advanced career technical education (CTE), and prepare students for a smooth transition into college by providing exposure to the collegiate environment. However, students should be prepared for a more rigorous and fast-paced experience in the college system. Students must make sure to schedule college courses around their Vanden High School schedule. Students are expected to abide by the rules of each institution they are enrolled in. If students are taking a course to fulfill A-G requirement or for purposes of course advancement, students should work with counselor to make sure they are taking the correct course. Once the course is completed, **official transcripts** should be brought into the counseling office to show successful completion of the course. Schedule changes will not be made without official transcripts. This will be used to determine changes in course selection or whether the course needs to be placed on Vanden High School transcript.

Online High School Course Policy

Students who wish to take online courses for credit toward their Vanden High School graduation requirements or for remediation purposes, must enroll in an approved online program. Approved programs include:

- BYU Independent Study - High School
- Silicon Valley High School
- Mt. San Antonio College High School Referral Program (Mt. SAC)

Prior to enrollment, students must obtain approval from their school counselor. Courses taken without prior counselor approval, may not be accepted for credit or included on the official transcript.

The following guidelines apply:

- Students may not enroll in courses that replace grade-level required classes offered at Vanden High School (for example, English 3 or U.S. History).
- Exceptions may be granted for students who have an administrator approved Early Graduation Plan in place.
- If a student enrolls in and completes a course that aligns with a required Vanden course, without prior approval, may not be awarded credit for that course.

For summer online courses, all coursework must be fully completed before the first day of the new school year in order for the class to be considered for prerequisite or placement purposes.

An official transcript from the approved online institution must be sent directly to Vanden High School before the course can be added to the student's Vanden transcript.

Community College Course Policy

Vanden High School students may enroll in community college courses for enrichment purposes. Students must obtain approval from their school counselor prior to enrolling in any community college courses. Courses taken without prior counselor approval, may not be accepted for credit or included on the official transcript.

The following guidelines apply:

- Students may not enroll in community college courses that replace grade-level required classes offered at Vanden High School (for example, English 3 or U.S. History).
- Exceptions may be granted for students who have an administrator approved Early Graduation Plan in place.
- If a student enrolls in and completes a community college course that aligns with a required Vanden course without prior approval, may not be awarded credit for that course.

COUNSELING SERVICES

Vanden High School counselors follow the American School Counseling Association National Model in providing a comprehensive counseling program. The counseling team provides services in the following three domains: Academic, Career, and Personal/Social. If students need to see their counselor, they can fill out a request to see counselor form in the counseling office. Counselors will call in the student as soon as possible. If a student has an emergency, they should tell the counseling office staff at the front desk so they can contact the counselor right away.

The School Social Worker is also available for counseling services if students need more support. For dependents of military members, Military & Family Life Counseling (MFLC) is available. Please let your student's counselor know if you are interested.

Vanden High School provides students with access to a dedicated Wellness Center, designed to promote relaxation and self-regulation. To use this space, students must first obtain a pass from their teacher, allowing them to visit the Wellness Center for a 15-minute session. This time is intended to support students in managing stress and maintaining emotional balance. Students are permitted to visit the Wellness Center once per day. If a student feels that the 15 minutes is insufficient or if they require further assistance in regulating their emotions, they will be referred to a school counselor or administrator for additional support.

SELECTING COURSES

Counselors begin meeting with students in February to select courses for the following year. Counselors meet with students in grades 9-11. Eighth grade students and their families are given the opportunity to attend a program preview night in January to learn about the different programs offered at Vanden High School. Eighth grade students and their families will use program preview and the information from the curriculum guide to make course selections for their 9th grade year. Course selections need to be completed on the students AERIES account, and their course selection paper form must be turned into the middle school counseling office. Any recommendations for Honors or advanced courses will come from middle school teacher recommendations.

Students in 9-11th grade are required to enroll in a minimum of 6 class periods. Students in 12th grade with at least 180 credits earned by the beginning of their senior year and on track for graduation may enroll in a 4 or 5 period day. A 4-period day requires a student to be concurrently enrolled in a community college course in both the Fall and Spring semester. If a student withdraws from the course and does not earn a grade, the student forfeits their 4-period day privilege and will be placed in a class at Vanden High School the remainder of the school year.

SCHEDULE CHANGE REQUEST POLICY AND PROCEDURES

Vanden High School has a student driven master schedule. Course sections are created based off student request. It is important that students make careful decisions based on graduation requirements and college/career goals. Students will meet with their counselors in the second semester to select core classes, elective classes, and alternatives to meet college/career goals.

REQUESTS DURING THE 1ST WEEK OF SCHOOL

The first week of school is the only week a student can request a schedule change. Students must complete a schedule change form (based on the reasons listed below) and turn the form into the counseling office within the first week of school. For any academic course change to take place, counselors will consult course selection forms, teacher recommendations, and course prerequisites. Schedule change requests that do not meet criteria below will not be processed. Acceptable schedule change requests will be made if master schedule allows, these changes are not guaranteed.

Acceptable schedule change requests:

1. Student needs to change a class to meet a high school graduation requirement or to meet a college eligibility requirement.
2. Student has been scheduled into the wrong level of a class (this does not include AP/Honors courses)
3. Student has been scheduled into a class they did not request.
4. Student is missing a class/period or schedule error.

Unacceptable schedule change requests:

1. Requests for a different teacher.
2. Change of class period based on preference.
3. Request for an elective change (unless error or seat availability issue).

REQUESTS MADE AFTER THE 1ST WEEK OF SCHOOL

If a schedule change request is made after the 1st week of school, parents and students will be directed to contact the classroom teacher to resolve any problems/concerns and to discuss strategies for success. Parents can call the counseling office to schedule a parent/teacher meeting. Administrative approval will be required in the rare case where a change is warranted after one week. At spring semester, yearlong courses will only be dropped for extenuating circumstances with administrative approval.

Dropping a Class after 6 Weeks in the Semester

A student who drops a course after the first six weeks of the grading period shall receive an F grade on their permanent record, unless otherwise decided by the principal or designee because of extenuating circumstances (AR 5121).

REPEATING CLASSES

With the approval of the principal or designee, a student may repeat a course to raise their grade. Both grades received shall be entered on the student's transcript, but the student shall receive credit only once for taking the course. The highest grade received shall be used in determining the student's overall grade point average (AR 5121).

REMEDIATING CLASSES

Cyber High is an online learning program owned and operated by the Fresno County Superintendent of Schools. Vanden High School offers Cyber High classes for credit recovery and remediation. Students enrolled in a Cyber High course will work independently on their coursework and attend lab hours with the Cyber High instructor to take exams and receive assistance. Cyber High course work may meet UC/CSU A-G requirements. Cyber High coursework does not meet NCAA requirements. The supervising Cyber High instructor measures the student's work performance within the terms of Cyber High and Vanden High School. Students are allowed to remediate English, History, and elective courses in Cyber High. Math, Science, PE, and World Languages are not available for remediation via Cyber high.

Vanden High School offers additional remediation opportunities through pre-approved online programs, which may involve an out-of-pocket expense for families. The cost of these programs varies depending on the specific program selected. To obtain a list of approved programs, please contact your student's counselor. The counselor will review available online options that align with NCAA and A-G requirements and work with you and your student to develop a tailored remediation plan of student

ALTERNATIVE EDUCATION PROGRAMS

TRAVIS EDUCATION CENTER HIGH SCHOOL (TEC)

Travis Education Center (TEC) High School is the district's continuation high school, an alternative program available to all students (age 16+) with open enrollment throughout the school year. Students transfer to alternative programs for various reasons and have options once enrolled. TEC offers 32.5 credits in core subjects each nine-week grading quarter, allowing students to accelerate in their academic progress.

The number of credits required for graduation from TEC is identical to Vanden's. A diploma from TEC is a high school diploma. TEC holds a six-year accreditation from the Western Association of Schools and Colleges (WASC). TEC High School has its own graduation ceremony on the last day of the school year. Students who graduate early from TEC are welcome to participate in the end of year graduation.

Students who have a credit deficiency and are not on track for graduation can voluntarily enroll at TEC. Students may transfer to Vanden only at the beginning of each semester (Fall or Spring) and must have completed all grade level credit requirements. To stay on track for return to Vanden, students must not only make up their deficit credits but continue to earn credits they need for their current enrollment. This expectation is demanding and necessitates significant effort from the student. Students with a credit deficit might not possess the necessary skills to complete additional work at an accelerated level. To be successful upon returning to a traditional school setting, it is imperative that students learn and improve study habits and time management. TEC is dedicated to helping students reach their goals. The road to the traditional program is difficult but, in many cases, possible.

INVOLUNTARY TRANSFER

Students may be administratively placed at TEC High School due to continuing problems with attendance or academic progress in the traditional high school setting. Their pathway options will be directed by the district's administrative personnel.

HIGH SCHOOL PROFICIENCY EXAM

If you pass both sections of the CHSPE, the California State Board of Education will award you a Certificate of Proficiency, which by state law is equivalent to a high school diploma (although not equivalent to completing all coursework required for regular graduation from high school). Passing the CHSPE does not, by itself, exempt minors from attending school. Minors who have a Certificate of Proficiency must also have verified parent/guardian permission to stop attending school.

The following procedure and criteria will be used in assisting students who wish to take the California High School Proficiency Examination (CHSPE) and who choose to leave school early.

1. Review information about CHSPE at www.chspe.net.
2. Create registration form online and print it out.
3. Request meeting with counselor to discuss decision to take CHSPE and whether student is eligible. Obtain Counselor's signature.
4. Obtain from the registrar an imprint of the school seal on the application form.
5. Mail application form.
6. If student passes CHSPE, PARENT will:
 - a. File written parental request with the counselor if they wish to terminate high school enrollment early, along with copy of Certificate of Proficiency.
 - b. Follow regular check out procedure beginning in the counseling office.

CAREER TECHNICAL EDUCATION DEPARTMENT

The following disciplines are part of the Career Technical Education Department: Business/Media/Technology, Education, Industrial Technology, Aerospace Science (Air Force JROTC), and Medical Science. There are several Career Paths developed by CTE. A Career Path is a series of courses that directly relate to a specific area of concentration or career. Students interested in developing skills, which transfer into advanced placement jobs or future educational opportunities are encouraged to follow the sequence of courses described in each Career Path.

The Career Paths offered at Vanden High School are in the areas of: Business Education, Education, Automotive, Robotics Engineering, Aerospace Science (Air Force JROTC), and Medical Science. These Career Paths prepare students for entry-level jobs, advanced training and certification, and advanced college degrees.

Requests and recommendations are granted based on availability.

AEROSPACE SCIENCE (AFJROTC)

AEROSPACE SCIENCE I, II, III & IV (AIR FORCE JROTC)

Each AFJROTC class consists of three components: Aerospace Science (40% of curriculum), Leadership education including Drill and Ceremonies (40%), and a Wellness Program (20%).

Note: Students are required to wear the designated blue uniform combination once per week and the physical training gear once per week. The uniforms will be provided at no expense. Students are required to participate in physical training once per week unless excused by a doctor.

Aerospace Science (AS) – AS acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, geography, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival.

Leadership Education (LE) - LE is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, and management skills. Drill and ceremonies are also included in the LE portion of the course.

Wellness Program - An integral part of AFJROTC, the objective is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. This consists of various exercises and other activities such as team sports. Students will participate in physical training once per week and complete a Physical Fitness Assessment once per semester.

To reinforce what is taught in the classroom, students participate in many outside activities such as field trips to military bases, aerospace facilities, museums, and sports competitions against other JROTC units. Cadets also have the opportunity to

participate in extracurricular activities including: Drill Team, Academic Competition Team, Awareness Presentation Team, CyberPatriot Team, summer leadership schools, and AFJROTC's national honor society. Additionally, community service projects are a major part of the AFJROTC experience and help instill a sense of civic pride and citizenship.

Aerospace Science 2, 3, and 4 will count as 5 credits of physical education credit each year completed.

AEROSPACE SCIENCE 1 (Air Force JROTC) (000793) (Year) (9th-12th)

Prerequisite: None

Grad requirement: College Entrance Requirement: meets university "G" requirement

Repeat for Credit: No

AEROSPACE SCIENCE II/2 (Air Force JROTC) (000794/000797) (Year) (9th-12th)

Prerequisite: C in Aerospace Science I

Grad requirement: Physical Education

College Entrance Requirement: meets university "G" requirement

Repeat for Credit: No

AEROSPACE SCIENCE III/3 (Air Force JROTC) (000795/000798) (Year) (9th-12th)

Prerequisite: B in Aerospace Science II/2 or teacher approval

Grad requirement: Physical Education

College Entrance Requirement: meets university "G" requirement

Repeat for Credit: No

AEROSPACE SCIENCE IV/4 (Air Force JROTC) (000796/000799) (Year) (9th-12th)

Prerequisite: B in Aerospace Science III/3 or teacher approval

Grad requirement: Physical Education

College Entrance Requirement: meets university "G" requirement

Repeat for Credit: No

AUTOMOTIVE

AUTO THEORY

(000751) (Year) (9th-12th)

Prerequisite: None

Grad requirements: CTE

College Entrance Requirement: None

Repeat for Credit: No

Year one of a two-year ASE certified program that teaches the skills required in inspecting, testing and repairing automobiles. Areas covered include: basic vehicle service, engine performance, electronics systems, heating and air conditioning, looking for information, tools and equipment, safety and more. Career opportunities are explored.

AUTO MECHANICS A1

(000753) (Year) (10th-12th)

Prerequisite: Auto Theory

Grad requirement: CTE

College Entrance Requirement: None

Repeat for Credit: No

Introduction to Auto Shop and personal safety, tools and equipment, looking for information, preparing a vehicle for service, preparing a vehicle for a customer, basic vehicle service, automatic transmissions, manual drive train and axles, suspension and steering.

AUTO MECHANICS A2

(000754) (Year) (11th-12th)

Prerequisite: Auto Mechanics A1

Grad requirement: CTE

College Entrance Requirement: None

Repeat for Credit: No

Introduction to Auto Shop and personal safety, brakes, electrical and electronic systems, heating and air conditioning, and engine performance.

BUSINESS & MEDIA/TECHNOLOGY

BUSINESS 1: EXPLORING BUSINESS AND CAREERS

(000800) (Year) (9th-12th)

Prerequisite: None

Grad requirement: CTE

College Entrance Requirement: Meets university “g” requirement

Repeat for Credit: No

The primary purpose of this course is to provide the novice with an introduction to microcomputers and user application software. Course content requires “hands-on” familiarization with personal computers, word processing, electronic spreadsheet, database management and presentation software utilizing Microsoft Office 2019 and McGraw Hill’s SIMnet software. Students may earn 3 college elective credits at Solano Community by completing all the assigned classwork and by obtaining a “B” or better on exams and overall grade both semesters.

BUSINESS 2: FOUNDATIONS OF BUSINESS

(000803) (Year) (10th-12th)

Prerequisite: Business 1 with C or better

Grad requirement: CTE

College Entrance Requirement: Meets university “g” requirement

Repeat for Credit: No

This course builds on introductory business concepts and delves deeper into the fundamentals of running and managing a business. Students will explore key business functions including marketing, finance, operations, and entrepreneurship. The curriculum emphasizes critical thinking, problem-solving, and decision-making skills through real-world case studies and projects. Topics such as business ethics, organizational structures, financial management, and the global marketplace will be covered to help students understand how businesses operate in various industries. Students will also learn how to create business plans, develop marketing strategies, and analyze business performance using foundational economic principles. Collaboration, leadership, and communication are integral parts of the course, preparing students for roles in business or further study in business-related fields.

VIDEO PRODUCTION

VIDEO PRODUCTION

(000284) (Year) (9th-12th)

Prerequisite: None

Grad requirement: CTE

College Entrance Requirement: meet university “f” requirement

Repeat for Credit: No

Video Production is an introductory course covering the fundamentals of script and storyboard writing, camera operation, shooting, lighting, and editing for video and television. Emphasis is placed on video as a means of communicating ideas, emotion and mood. Students also learn to effectively record, mix and edit audio in a sound studio to further enhance visual aesthetics. The students will become proficient in both studio and field video production and will develop artistic and industry skills used in the career field of Video Production. Open to students 9-12.

ADVANCED VIDEO PRODUCTION

(000285) (Year) (10th-12th)

Prerequisite: Video Production with a C- or better

Grad requirement: CTE

College Entrance Requirement: meet university “f” requirement

Repeat for Credit: Yes

Advanced Video Production furthers student knowledge and skills in the higher echelons of Video Production. Students in Advanced Video Production will be challenged to shoot, edit and create films utilizing advanced techniques in both production and post-production. Areas of focus for Advanced Video Production will involve acting, directing, cinematography, screenwriting, and advanced editing. Additionally, students will learn how to produce live productions, weekly podcasts, and record events. Students will work on behalf of Asgard Studios to work on both school events and client-based projects. Students in Advanced will also be responsible for creating and promoting the class via social media and the Voices of the Vikings Podcast. Students in Advanced Video Production will also be members of SKILLS USA a Career Technical Service Organization. SkillsUSA empowers its members to become world-class workers, leaders, and responsible American citizens.

MARKETING

PRINCIPLES OF MARKETING

(000291) (Year) (9th-12th)

Prerequisite: none

Grad requirement: No

College Entrance Requirement: No

Repeat for Credit: No

A comprehensive study and analysis of initiating the marketing process for both profit and non-profit organizations) with special emphasis on understanding the consumer and detailed studies of demographics and target marketing. Includes the role of marketing research, the process of defining a marketing problem and then systematically collecting and analyzing information to recommend actions to improve an organization's marketing activities.

MARKETING THROUGH SOCIAL MEDIA

(000292) (Year) (10th-12th)

Prerequisite: C- or better in Principles of Marketing

Grad requirement: No

College Entrance Requirement: N/A

Repeat for Credit:

Digital Marketing Through Social Media is a course designed to prepare students for the creation of effective social media marketing campaigns and business plans. Students will explore the history of the Internet and the explosion of social media through inquiry-based research. Students will build a positive digital footprint, learn about communication norms using various communication platforms and social networking sites, and practice strategies for keeping themselves safe online. This course is designed to provide students with a general background in digital marketing through the examination of social media platforms, such as Facebook, Instagram, Twitter, etc. Students will be exposed to the fundamental concepts and principles of the digital experience, focus on the learning tools and skills necessary for solving business problems, and develop marketing opportunities. This course will provide practical experience in, but not limited to eCommerce, media planning, branding, online advertising, display advertising, digital campaigns, social media marketing and mobile media.

MEDICAL SCIENCE

MEDICAL SCIENCE 1

(001092) (Year) (11th-12th)

Prerequisites:

• **Algebra 1 with a B or better**

• **Completion of Biology**

Grad requirement: CTE

College Entrance Requirement: Meets university "g" requirement

Repeat for Credit: No

This course includes a common set of skills and knowledge necessary for all health care employees. Medical Science 1 instructs students in basic medical terminology, anatomy and physiology of body systems, pathogens, disease, and how common pharmaceuticals work in the body. Mathematical concepts that are commonly used in health professions are

addressed. The textbook is used to explain anatomy and physiology as well as to introduce a vast amount of medical terminology to the student.

MEDICAL SCIENCE 2

(001093) (Year) (12th)

Prerequisites: Medical Science 1 with B or better

Grad requirement: Career Pathway

College Entrance Requirement: Meets university "g" requirement

Repeat Credit: No

The Medical Science 2 course is an advanced course intended for students in grade twelve who are pursuing a career in the medical health field requiring postsecondary education. It is a continuation of Medical Science 1 and builds on a common set of skills and knowledge necessary for all health care employees. Medical Science 2 instructs students in Human Biology, Medical Ethics and Legal Questions, Bioethics, Patient and Family Interaction, Medical Administration, Infection Control, Lab Techniques and Procedures, and Workplace Safety. It provides for the completion of a career portfolio, and work based and outreach experiences-including job shadowing, research and discovery experiences, and volunteer or community service related to the health career field of choice. This course is for seniors only.

SPORTS MEDICINE

(001094) (Year) (12th)

Prerequisites: Medical Science 1 with B or better

Grad requirement: Career Pathway

College Entrance Requirement: Pending- university "g" requirement

Repeat Credit: No

Through a lecture/lab/project-based learning format, students will acquire fundamental practical concepts of training room development; risk management; administrative and legal issues; and hands-on application of theory on evaluation, assessment, prevention, treatment, and rehabilitation of athletic injuries. Students conduct individual research with in-depth reading and writing required as well. Modern health and scientific principles of care are presented and applied in various scenarios to develop cognitive and critical thinking skills. These mockups of real-life scenarios will require students to perform evaluation and treatment protocols on others in order to prepare them for real life situations.

ENGINEERING

FOUNDATIONS OF MECHATRONICS

(000783) (Year) (9th-12th)

Prerequisites: None

Grad requirement: CTE

College Entrance Requirement: Meets university "g" requirement

Repeat for Credit: No

This course provides an understanding of how mechatronic technology in our lives works using only basic science and math concepts. This course explores basic mechatronics systems commonly found in industry and focuses on their principles of operation, histories, and relationships to one another. Topics will include an exploration of and the science behind basic mechanics,

fluid power, electrical power, and control systems. Students will learn about mechatronics technologies through lectures, classroom discussion, and laboratory experiments and projects.

INDUSTRIAL ROBOTICS

(000880) (Year) (9th-12th)

Prerequisites: Completion of Foundations of Mechatronics with a C or better both semesters

Grad requirement: CTE

College Entrance Requirement: Pending university “g” requirement

Repeat for Credit: No

Presentation of physical principles applied to automated manufacturing systems. Students will develop solutions to manufacturing problems using FANUC industrial robots and programmable logic controllers (PLC). Students will also apply safety-oriented work habits to the completion of laboratory projects while working individually and in groups.

PRINCIPLES OF ENGINEERING- ROBOTICS

(001183) (Year) (9th-12th)

Prerequisites:

- **Completion of Geometry with a B or better**
- **Teacher Approval**

Grad requirement: Elective

College Entrance Requirement: N/A

Repeat for Credit: Yes

Principles of Engineering- Robotics will consist of instruction and hands on learning in six main areas: mechanical systems (static and dynamic), fluid power systems (pneumatics), electronics (DC), Computer Aided Design (C), and Systems Integration. Coursework in these areas will be focused around the FIRST Robotics Competition. Students must participate fully in all aspects of this competition, including fundraising, community presentations, mentoring other teams, graphic and animation production, and website maintenance. Students will be expected to be available after school and on weekends January- March.

ENGLISH DEPARTMENT

ENGLISH 1

(000451) (Year) (9th)

Prerequisite: None

Grad requirement: English

College Entrance Requirement: Meets university “b” requirement.

Repeat for Credit: No

A required course for all freshmen. The course presents literature of various cultures and genres in a thematic format. Students will improve writing skills through the process technique. They will also continue to improve skills in vocabulary, reading, grammar, punctuation, as well as study skills.

ENGLISH 1 HONORS

(000452) (Year) (9th)

Prerequisite: Admission is limited, and competitive, and some students who qualify may not be granted admission.

The following criteria are used in determining qualification:

- **8TH Grade English Teacher recommendation;**
- **Semester grade of A or B in previous English class;**
- **Overall GPA of 3.00**

Grad Requirement: English

College Entrance Requirement: Meets university “b” requirement.

Repeat for Credit: No

This course is designed to enable students who have shown exceptional ability in language to continue their training in an accelerated program of reading, writing, and speech. Some of the works include *Lord of the Flies*, *Romeo and Juliet*, *The Odyssey*, *Of Mice and Men*, and advanced poetry. *This course requires a minimum of 6-8 hours of homework per week. Special projects and students’ individual aptitude may impact the time commitment required to be successful.*

ENGLISH 2

(000454) (Year) (10th)

Prerequisite: None

Grad requirement: English

College Entrance Requirement: Meets university “b” requirement.

Repeat for Credit: No

English 2 will enhance students’ communication and thinking skills. Students will address four major topics: speaking and listening; literary analysis and comprehension; writing and how the English language works; and critical thinking. The goal of the class is to increase the students’ self-confidence and to prepare them for success in junior/senior-level classes, as well as their present academic and social challenges.

ENGLISH 2 HONORS

(000455) (Year) (10th)

Prerequisite: Admission is limited, and competitive, and some students who qualify may not be granted admission.

The following criteria are used in determining qualification:

- **Teacher Recommendation;**

- **Semester Grade of B- or higher in previous English class;**
- **Overall weighted GPA of 3.00**

Grad requirement: English

College Entrance Requirement: Meets university “b” requirement.

Repeat for Credit: No

This course is designed to enable students who have shown exceptional ability in language to continue their training in an accelerated program of reading, writing and speech. Some of the works include *To Kill A Mockingbird*, *Julius Caesar*, and advanced poetry. A term paper will also be required. This course will impact a student’s daily schedule. *This course requires a minimum of 5-10 hours of homework per week. Special projects and students’ individual aptitude may impact the time commitment required to be successful.*

ENGLISH 3

(000458) (Year) (11th)

Prerequisite: Junior

Grad requirement: English

College Entrance Requirement: Meets university “b” requirement

Repeat for Credit: No

English 3 is a yearlong course offered to third year students. The course stresses literary values and forms, historical and cultural developments in the United States as well as introduces students to types of writing required in college and business. Instruction continues in vocabulary, grammar, test taking skills, reading comprehension with a focus on historical American documents as well as workplace and technical documents, literary and rhetorical analysis of key historical nonfiction documents as well as a wide variety of American novels. Students will write a wide variety of essays. The essay writing process will include handwritten drafts, peer editing and response group work, and several typed drafts. Students will read a wide variety of published drafts as models for each type of essay. In addition, the EAP essay test will be taught and worked on throughout the year.

AP ENGLISH LANGUAGE & COMPOSITION

(000442) (Year) (11th)

Prerequisite: Admission is limited, and competitive, and some students who qualify may not be granted admission.

The following criteria are used in determining qualification:

- **Teacher Recommendation;**
- **Semester Grade of B- or higher in previous English class;**
- **Overall weighted GPA of 3.00**

Grad requirement: English

College Entrance Requirement: Meets university “b” requirement.

Repeat for Credit: No

Advanced Placement English Language and Composition is a yearlong advanced course in English for the academically motivated junior. Advanced Placement may bring college English credit by passing the nationally administered competitive examination in May. Taking the Advanced Placement Exam is recommended. Students are expected to

pursue a rigorous program of reading and writing that leads to college-level compositions and critical essays. *This course requires a minimum of 5-10 hours of homework per week. Special projects and students' individual aptitude may impact the time commitment required to be successful.*

ENGLISH 4

(000459) (Year) (12th)

Prerequisite: Senior

Grad requirement: English

College Entrance Requirement: Meets university “b” requirement.

Repeat for Credit: No

English 4 is a year-long course offered to fourth year students. The course stresses literary values and forms, historical and cultural developments in literature as well as introducing students to types of writing required in college and in business. Instruction continues in vocabulary, grammar, test taking skills, reading comprehension with a focus on nonfiction documents, literary and rhetorical analysis of key historical fiction as well as a wide variety of novels, plays and epic poems. Students will write and present a wide variety of essays and will demonstrate the drafting and editing process.

AP ENGLISH LITERATURE & COMPOSITION

(000479) (Year) (12th)

Prerequisite: Admission is limited, and competitive, and some students who qualify may not be granted admission.

The following criteria are used in determining qualification:

- **Teacher Recommendation;**
- **Semester Grade of B- or higher in previous English class;**
- **Overall weighted GPA of 3.1.**

Grad requirement: English

College Entrance Requirement: Meets university “b” requirement.

Repeat for Credit: No

Advanced Placement English Literature and Composition is a yearlong advanced course in English for the academically talented senior. Advanced Placement may bring college freshman English credit as per the nationally administered competitive examination in May. Taking the Advanced Placement Exam is recommended.

Students are expected to pursue a rigorous program of reading and writing that leads to college-level compositions and critical essays. *This course requires a minimum of 5-10 hours of homework per week. Special projects and students' individual aptitude may impact the time commitment required to be successful.*

GENRE STUDIES

(000450) (Semester) (11th- 12th)

Prerequisite: English 1 and 2

Grad requirement: no

College Entrance Requirement: meets university “G” requirement

Repeat for Credit: Yes

In this course students will study a genre such as mystery, suspense, or science fiction across classic film, art, music and

other media. Students will examine works and determine what constitutes a good story, compare and contrast early forms of the genre with modern media, such as popular fiction, films, TV shows, and complete analysis of specific tropes across multiple works. Students will also consider overarching essential inquiries.

ETHNIC STUDIES: LITERATURE

(001263) (Year) (11th-12th)

Prerequisite: None

Grad requirement: Ethnic Studies

College Entrance Requirement: N/A

Repeat for Credit: No

Students in the Ethnic Studies: Literature course read and analyze a broad range of nonfiction and fiction selections, deepening their awareness of how language works in effectively communicating an idea. Additionally, this course aims to educate students to be politically, socially, and economically conscious about their personal connections to local and global histories. By studying the histories of race, ethnicity, nationality, and culture, students will develop respect and empathy for individuals and groups of people locally, nationally, and globally to build self-awareness, empathy, and foster active social engagement.

ENGLISH LEARNERS SUPPORT

(005002) (Year) (9th-12th)

Prerequisite: EL Status and Placement by ELD Site Coordinator

Graduation requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

EL Support class at Vanden is designed to provide a period of language to help students reach academic success in their English Language Mainstream (ELM) and core classes.

ADVANCED ESL

(005001) (Year) (9th-12th)

Prerequisite: EL Status and Placement by ELD Site Coordinator

Graduation Requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

Students enrolled in Advanced ESL are in the speech emergence, or intermediate fluency, stage of English language acquisition. Emphasis is placed on proficiency of reading and writing in English while acquiring English credits necessary for graduation and college readiness.

MATHEMATICS DEPARTMENT

ALGEBRA 1

(000852) (Year) (9th-12th)

Prerequisite: None

Grad requirement: Math

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

A one-year course designed to prepare students for Geometry. Successfully completing Algebra 1 is a requirement for graduation in California. Students will review the order of operations, integers and the solving of equations. Other topics studied will be: polynomial operations, inequalities, and factoring, graphing, systems of equations, properties of and operations of the real numbers, quadratic equations, and applications of the Pythagorean Theorem. A strong emphasis will be placed on problem solving. Homework will be assigned daily.

ALGEBRA 1 with ROBOTICS

(000877) (Year) (9th and 10th)

Prerequisite: None

Grad requirement: Math

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

The course guides students through topics in Algebra 1 in Common Core State Standards for Mathematics while simultaneously teaching students programming and computational thinking. Students use programming in C/C++ interpreter Ch to reinforce and extend their knowledge of mathematical concepts by analyzing real life situations, identifying given information, formulating steps that a computer program could calculate to find a solution, analyzing the results for accuracy, and revising/modifying the programming solutions as necessary. Topics covered include solving one-variable equations with multiple steps, solving and plotting absolute value equations and inequalities, linear equations, systems of linear equations and inequalities, polynomial functions, exponential functions, and step and piecewise functions, evaluating, multiplying, and factoring polynomial functions, solving quadratic equations with applications, probability, statistical data analysis and visualization, and arithmetic and geometric sequences. Robotics activities allow students to reenact physically derived mathematical problems through robotics technologies, such as RoboBlockly and RoboSim via C-STEM Studio, to visualize situations, associate linear and quadratic graphs with physical phenomenon, predict and identify key features of the graphs with robotic systems, and solve robotics problems through mathematical modeling and programming.

GEOMETRY

(000854) (Year) (9th-12th)

Prerequisite: Algebra 1

Course Advisory: C or better both semester of Algebra 1

Grad requirement: Math

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

A one-year course designed for college bound students and for students who desire to study higher mathematical concepts. Students will study plane geometry. Topics covered will be properties of points, lines and planes, angles, triangles and polygons. Congruency and similarity of polygons, properties of circles, areas, surface area and volume and coordinate geometry will be stressed. Students will problem solve using introductory trigonometric functions and the Pythagorean Theorem. Students will be introduced to constructions of various geometric figures using a straight edge and compass or the computer. Strong emphasis will be placed on formal geometric proofs. Homework will be assigned daily. *A scientific calculator is recommended.*

GEOMETRY with ROBOTICS

(000878)(Year) (9th-11th)

Prerequisite: This course would be taken after successful completion of Algebra 1

Grad requirement: Math

College Entrance Requirement: Meets university “C” requirement

Repeat for Credit: No

The course guides students through topics in Geometry in Common Core State Standards for Mathematics while simultaneously teaching students programming and computational thinking. Students use programming in C/C++ interpreter Ch to reinforce and extend their knowledge of mathematical concepts by analyzing real life situations, identifying given information, formulating steps that a computer program could calculate to find a solution, analyzing the results for accuracy, and revising/modifying the programming solutions as necessary. Topics covered include applications using area and perimeter, parallel and perpendicular lines, transformations, congruent triangles, quadrilaterals and other polygons, similarity, right triangles and trigonometry, coordinate proofs, circles, circumference, area, volume, and probability. Robotics technology will be used to introduce and expand upon the areas of study listed above. Robotics activities allow students to reenact physically derived mathematical problems to visualize situations, associate graphs with physical phenomenon, apply geometric and trigonometric properties and solve, and solve robotics problems through mathematical modeling and programming.

ALGEBRA 2

(000853) (Year) (9th-12th)

Prerequisite: C both semesters in Algebra 1 and Geometry

Grad requirement: Math

College Entrance Requirement: Meets university “C” requirement.

Repeat for Credit: No

A one-year course designed for college-bound students who desire to study higher mathematical concepts. Students will review and expand on the concepts from Algebra 1. Other topics include negative exponents, complex numbers, conics, exponential and logarithmic functions, sequencing and series and probability. Problem solving will be stressed. Homework will be assigned daily.

ALGEBRA 2 with ROBOTICS

(000879) (Year) (9th-12th)

Prerequisite: This course would be taken after a successful completion of Geometry

Grad requirement: Math

College Entrance Requirement: Meets university “C” requirement.

Repeat for Credit: No

The course guides students through topics in Algebra 2 in Common Core State Standards for Mathematics while simultaneously teaching students programming and computational thinking. Students use programming in C/C++ interpreter Ch to reinforce and extend their knowledge of mathematical concepts by analyzing real life situations, identifying given information, formulating steps that a computer program could calculate to find a solution, analyzing the results for accuracy, and revising/modifying the programming solutions as necessary. Students focus on applying methods from probability and statistics to draw inferences and conclusions from data, expanding understanding of functions to include square roots, cube roots, absolute values, piecewise, step, polynomial, exponential, rational, radical, logarithmic, and trigonometric functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students identify appropriate types of functions to model a situation, they adjust parameters to improve the model, and they compare models by analyzing appropriateness of fit and making judgments about the domain over which a model is a good fit. Students also see how the visual displays and summary statistics they learned in earlier grades relate to different types of data and to probability distributions. They identify different ways of collecting data—including sample surveys, experiments, and simulations—and the role that randomness and careful design play in the conclusions that can be drawn.

Robotics technology will be used to introduce and expand on the study areas listed above. Robotics activities allow students to reenact physically derived mathematical problems to visualize situations, associate linear and exponential graphs with physical phenomenon, predict and identify key features of the graphs with robotic systems, and solve robotics problems through mathematical modeling and programming

PRE-CALCULUS/ TRIGONOMETRY

(000855) (Year) (10th-12th)

Prerequisite: C both semesters in Algebra 1, Geometry & Algebra 2

Grad requirement: Math

College Entrance Requirement: Meets university “c” requirement

Repeat for Credit: No

A one-year course designed to prepare the college bound student for Calculus. In the first semester, emphasis will be placed on the theory of equations and functions and problem solving. The second semester is designed to provide the college bound student with the theory and application practice needed to build a strong foundation for Calculus. This course includes the study of geometric figures, circular functions and their graphs,

trigonometric identities and equations, vectors. Homework will be assigned daily.

STATISTICS

(000856) (Year) (10th-12th)

Prerequisite: C both semesters in Algebra 2

Grad requirement: Math

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

A one-year course designed for college bound students after completion of Algebra 2, Trigonometry/Pre-calculus or Calculus. Introduction to the vocabulary and techniques involved in collection and analyzing data in the fields of business, social sciences and natural sciences. Topics from probability are included. Students will use calculators and computers. Activities, projects and homework will give the students experience using their skills.

AP STATISTICS

(000859) (Year) (10th-12th)

Prerequisite: B in Algebra 2 and/or C in Pre-Calculus/Trigonometry both semesters

College Entrance Requirement: Meets university “c” or “g” requirement.

Repeat for Credit: No

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

This class is to prepare you for taking the AP Examination.

Taking the Advanced Placement Test is recommended.

Students who do not intend to take the AP exam should enroll in non-AP stats. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

AP CALCULUS

(000857) (Year) (11th-12th)

Prerequisite: B in Trigonometry and Pre-Calculus both semesters

Grad requirement: Math

College Entrance Requirement: Meets university “c” or “g” requirement.

Repeat for Credit: No

A one-year course designed for students planning to take the AP Calculus AB exam. The course emphasizes a multi-representational approach to Calculus with concepts, results and problems being expressed geometrically, analytically and verbally. Students will study limits, derivatives, and integrals of various functions. They will also learn applications of these concepts. Students will use graphing calculators regularly. *Homework will be assigned daily. Students should expect to spend at least one hour on homework nightly.*

AP COMPUTER SCIENCE PRINCIPLES

(001195) (Year) (9th-12th)

Prerequisites: None

Grad Requirement: Elective

College Entrance Requirement: Meets university “g” requirement

Repeat for Credit: No

The goal of AP Computer Science Principles is to provide a broad, inspiring overview of computer science that is appropriate for all students who have completed a high school algebra course. By the end of this course, students will become empowered to critically analyze computing innovations as well as create inspiring applications that express their interests. In addition, they will be ready to incorporate computational thinking into their future fields of study.

AP COMPUTER SCIENCE A

(001190) (Year) (11th-12th)

Prerequisites:

- **Completion of Geometry with a C or better both semesters**
- **Completion of Algebra 1 with a B or better both semesters**
- **Prior Programming experience**

Grad requirement: Elective

College Entrance Requirement: Meets university “g” requirement.

Repeat for Credit: No

The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development and is meant to be the equivalent of a first-semester college-level course in Computer Science. It also includes the study of data structures, design, and abstraction. The AP Computer Science course is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines that require significant involvement with technology. The following goals apply to the AP Computer Science A course when interpreted within the context of the course. Students completing this course will be able to: 1) design and implement solutions to problems by writing, running, and debugging computer programs; 2) use and implement commonly used algorithms and data structures; 3) develop and select appropriate algorithms and data structures to solve problems; 4) code fluently in an object-oriented paradigm using the programming language Java; 5) read and understand a large program consisting of several classes and interacting objects. Students should be able to read and understand a description of the design and development process leading to such a program. (An example of such a program is the AP Computer Science Case Study.); 6) recognize the ethical and social implications of computer use.

BUSINESS MATH

(000868) (Year) (11th-12th)

Prerequisite: Algebra 1

Grad requirement: Math

College Entrance Requirement: None

Repeat for Credit: No

Students will learn about banking, interest, consumer credit, mortgages, investments, insurance, taxes and many more topics that they will encounter regardless of what career they pursue. Students will examine some business practices such as mark-up, mark-down, trade discounts, cash discounts and business statistics that will be beneficial in such fields as banking, real estate, food service and retail. This course provides a strong foundation in logical thinking and problem solving so that students will have the ability to make good financial decisions whether they are a consumer, employee or small business owner.

NON-DEPARTMENTAL ELECTIVES

LEADERSHIP

(002451) (Year) (9th-12th)

Prerequisite: Teacher Approval. All class members must meet the minimum academic standard of a 2.0 GPA w/ no Fs.

Grad requirement: Elective

College Entrance Requirement: Meets university “g” requirement

Repeat for Credit: Yes

This class is designed to teach leadership skills and governmental structure which ultimately enhances school pride, spirit and culture as well as the student's individual knowledge of a working government. The class will focus on standards designed by the California Association of Directors of Activities and Common Core State Standards, including public speaking, written communication, service learning, presentation skills, community service, government hierarchy, procedures and elections, personal and social development, goal setting, group dynamics, business marketing, finance accounting, advertising, business law and research while positively impacting the entire student body. The Leadership class is comprised of elected Associated Student Body Class officers and interviewed Class commissioners. All class members must meet the minimum academic standard of a 2.0 GPA w/ no Fs. Leadership students must comply with the standards set forth in the ASB constitution and code of ethics.

LINK CREW

(001459) (Year) (11th-12th)

Prerequisite: Completion of English 1 and 2

College Entrance Requirement: Pending university “g” requirement

Repeat for Credit: Yes

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, and leadership and critical thinking-based activities to further develop these key skills in tandem with mentorship and counseling of fellow students.

Students will learn vital theoretical lessons in 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 and work individually and collaboratively.

ACADEMIC DECATHLON

(002457) (Year) (9th-12th)

Prerequisite: Teacher Approval

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

This is a one-year course which will introduce the student to the competitive world of Academic Decathlon, a ten-course academic marathon. The students will study a variety of subject matter presented in a thematic approach including social science, science, mathematics, language and literature, music, economics, art, essay, speech (both impromptu and prepared), and interview. The course also incorporates competition in knowledge-quiz bowl competitions. Absolutely, a thoroughly enriching course dedicated to “learning for life.” Enrollment in this course is rigorous and may/will impact a student's daily schedule due to a substantial commitment to be successful.

JOURNALISM

(000462) (Year) (9th-12th)

Prerequisite: Teacher Approval

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

This comprehensive, yearlong course instructs students in sound journalistic practice, standards, AP style and the writing process. Students learn to write in a variety of forms used by the journalism industry: news, features, sports, opinions. In addition, students will learn the rights and responsibilities demanded by quality journalism.

Vanden's school newspaper, The Valhalla, will be produced regularly, publishing the best student samples of sound journalism. The advisor works closely with student editors and staff to determine content and assignments and to guarantee that standards are upheld.

ADVANCED JOURNALISM

(000464) (Year) (10th-12th)

Prerequisite: Journalism and Teacher Recommendation

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

This advanced course prepares students for employment in journalism. Emphasis is on strong writing, as well as layout expertise, interview techniques, leadership, interpersonal and independent working skills. Students will design, advertise, revise, edit, participate in a leadership hierarchy, and be required to research, document and participate in the writing process while covering many contemporary issues.

INTRODUCTION TO ADULTHOOD “ADULTING 101”

(001650) (Semester) (11th-12th)

Prerequisite: None

Grad Requirement: Elective

College Entrance Requirement: Meets university “g” requirement

Repeat for Credit: No

This course is designed to prepare students for independent living after high school. Students will gain knowledge and skills

to be financially responsible, to enter the work force, to manage basic household tasks and to create and meet financial goals.

A major focus of the class will be financial literacy with direct real-world applications, including topics of credit cards, health and auto insurance, taxes, loans and debt, budgeting and bills and long-term financial planning. It will also cover topics ranging from how to handle professional stresses, what to look for in a contract and how to handle unexpected problems. This class is to prepare for life after high school and students will have an opportunity to bring in timely topics.

LIBRARY ASSISTANT

(001457) (Year) (11th-12th)

Prerequisite: Teacher Approval

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

Student Library Assistants (SLAs) are enrolled in a service-learning experience and their efforts contribute significantly to the school library media program. As student library assistants, students learn to assist and direct patrons; work at the circulation desk; use the online catalog, internet, and online databases; troubleshoot technology; shelve books; write book reviews; market the collection, and numerous other tasks involved in efficient school library operation.

CLERICAL ASSISTANT

(001451/001452/001453/001458) (Year) (11th-12th)

Prerequisite: Teacher Approval

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

In this area you will do clerical work for teachers or in a school office, such as the attendance office, counseling office, library and main office. Instructions will be given on attitudes and procedures necessary to perform the job's duties. A good attendance record must be maintained.

TEACHER ASSISTANT

(001456) (Year) (11th-12th)

Prerequisite: Teacher Approval

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

A limited number of opportunities are available in the classroom and laboratories for students to work with and assist high school faculty members in specialized teaching areas. These opportunities are filled upon request of individual staff members.

DRIVER'S EDUCATION

(002452) 9 weeks

Prerequisite: 30 oldest students on sign-up sheet enrolled.

The academic standard for the student is a GPA of 2.0 or above and no F's. Any student who earns an F grade or a GPA that falls below a 2.0 at the quarter/semester will be ineligible. This course is offered to students up to the age of 17 ½ years old.

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: No

This course is designed to develop a knowledge of the provisions of the Vehicle Code and other California laws relating to the operation of motor vehicles, a proper acceptance of personal responsibility in traffic, a true appreciation of the causes, seriousness and consequences of traffic accidents, and to develop the knowledge and attitudes necessary for the safe operation of motor vehicles. A course in automobile driver education shall include education in the safe operation of motorcycles. Certification of Completion expires after one year. This course is equivalent to a nine-week course and upon completion the student will earn 2.5 credits.

CLASSROOM TUTORING

(005003) (Year) (11th & 12th)

Prerequisite: An "A" grade in the subject for which the student will be tutoring.

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

11th or 12th grade students who qualify for the Classroom Tutoring program will be assigned, at a teacher's request, to a specific class or course to assist struggling students within that class. Students will be expected to keep a log, research effective tutoring techniques and prepare a final PowerPoint project detailing their experience.

PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION 9

(001079) (Year) (9th)

Prerequisite: None

Grad requirement: PE

UC/CSU requirement: No

Fees: Purchase of PE uniform

Repeat for Credit: Yes

There is a 2 year requirement for Physical Education/Health at Vanden High School. Freshman and sophomore years of instruction/participation in physical education are required. Junior and senior year physical education can be taken for elective credit. 9th graders must enroll in PE 9. 10th graders who meet the prerequisites may enroll in Weight Training, Fitness for Life, or PE.

The school board has approved that all students are required to wear a PE uniform. This uniform includes a gray or green shorts, shirt, socks and “tennis” shoes. Sweatshirts and sweatpants (gray or green in color) are optional, but strongly encouraged for cold weather.

9th grade Physical Education instructional/participation units include individual and dual sports, and fitness testing.

Individual/Dual Sports

Activities include: Track and Field, orienteering, tennis, badminton, Pickleball, leisure sports, etc. Students are to demonstrate acceptable social behavior, learn the proper vocabulary and basic safety rules of the activity. The carryover aspects of the unit are strongly stressed so that students may discover a lifelong sport to enjoy.

Dance

This is designed to teach basic steps with an emphasis on proper social development and music appreciation. The course introduces different music styles, customs, and dance that may include folks square, western line, swing and Latin.

Fitness

The National Fitness Program is administered each spring to physical education students. This tests each student’s strength, cardiovascular endurance and flexibility. This test is required by the California Department of Education Framework and Content Standards.

PHYSICAL EDUCATION (10th-12th)

(001063) (Year) (10th- 12th)

Prerequisites: None

Grad requirement: PE

UC/CSU requirement: No

Fees: Purchase of PE uniform

Repeat for Credit: Yes

To include Team Sports

Activities include basketball, ultimate frisbee, flag football, soccer, softball, volleyball. This course provides development of strength, agility, coordination, and endurance. Emphasis is applied to knowledge of rules, skills, strategies and sportsmanship. Demonstrating proper social behaviors is very important in the class.

WEIGHT TRAINING

(001082) (SEMESTER/YEAR) (10th-12th)

Prerequisites: Pass PE9 with a C or better and pass 5 of 6 of fitness test

Grad requirement: PE

UC/CSU requirement: No

Repeat for Credit: Yes

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. The course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors.

FITNESS AND CONDITIONING (FITNESS FOR LIFE)

(001081) (SEMESTER/YEAR) (10th-12th)

Prerequisites: Pass PE9 with a C or better and pass 5 of 6 of fitness test

Grad requirement: PE

UC/CSU requirement: No

Repeat for Credit: Yes

This course is designed for students interested in developing their overall health not just for the year in PE, but for life.

In this course we will explore Yoga, Pilates, circuit training, aerobics, Zumba, power walking, HIIT, dance, body weights and Tae Bo. The goal is to improve the overall strength and functionality of the body for lifelong fitness. The focus is personal growth and progress.

SCIENCE DEPARTMENT

PHYSICS IN THE UNIVERSE

(001197) (Year) (9th-12th)

Prerequisites: Concurrent enrollment in Algebra 1 or higher

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement

Repeat for Credit: No

Physics in the Universe is the first course of a three-year science pathway. This lab intensive course is aligned with the Next Generation Science Standards. This course covers topics in physics with integration of earth and space sciences. Students must be concurrently enrolled in Algebra or higher. This course provides the content, background and laboratory skills needed to take Biology of the Living Earth.

PHYSICS IN THE UNIVERSE HONORS

(001198) (Year) (9th-12th)

Prerequisites:

- Concurrent enrollment in Algebra 1 or a higher-level math course;
- Passing score on pretest (given at the beginning of the school year).

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement

Repeat for Credit: No

Physics in the Universe Honors is the first course of a three-year science pathway. This lab intensive course is aligned with the Next Generation Science Standards and covers topics in physics with integration of earth and space sciences. Students in Physics in the Universe Honors are expected to maintain a B- in order to remain enrolled at the semester. Students should be concurrently enrolled in algebra or higher. This course provides the content, background and laboratory skills needed to take Biology of the Living Earth.

BIOLOGY OF THE LIVING EARTH

(001199) (Year) (9th-12th)

Prerequisite:

- Passing grade in Physics in the Universe or equivalent course
- Concurrent enrollment in Algebra 1 or higher-level math course.

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement.

Repeat for Credit: No

Biology of the Living Earth is the second course of a three-year science pathway. This lab intensive course is aligned with the Next Generation Science Standards and covers topics in ecology, evolution, cell structure and function, genetics, properties of matter and biochemistry with integration of earth and space sciences. Student grades are determined by a weighted scale with more emphasis given to tests, quizzes and projects. This course provides the content, background and laboratory skills needed to take Chemistry in the Earth System.

BIOLOGY OF THE LIVING EARTH HONORS

(001200) (Year) (9th-12th)

Prerequisites:

- Concurrent enrollment in Geometry or higher math;
- Grade of A in Physics in the Universe or B in Physics in the Universe H or equivalent course. (both semesters);
- Grade of B in Algebra 1 (both semesters) *;
- Passing score on pretest if taking course in sophomore year.

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement.

Repeat for Credit: No

Biology of the Living Earth Honors is the second course of a three-year science pathway. This course covers the same topics as Biology of the Living Earth but in more depth and at a faster pace. Student grades are determined by a weighted scale with more emphasis given to tests, quizzes and projects. Students are required to complete a science fair project. Honors students must have a 75% or higher in this course to remain in Honors second semester. This course provides the content, background, and laboratory skills needed to take Chemistry in the Earth System.

CHEMISTRY IN THE EARTH SYSTEM

(001166) (Year) (10th-12th)

Prerequisites:

- Grade of C in Biology and Algebra 1 (both semesters);
- Passing score on qualification exam;
- Concurrent enrollment in Geometry or higher-level math.

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement.

Repeat for Credit: No

Chemistry in the Earth System is the third course of a three-year science pathway. This lab intensive course is aligned with the Next Generation Science Standards and covers topics in atomic structure, bonding, compound nomenclature, stoichiometry, gas laws, acids and bases, hydrocarbons and energy. Students will need strong math computational skills for success in this course. Daily homework averages 30 minutes.

CHEMISTRY IN EARTH SYSTEM HONORS

(001167) (Year) (10th-12th)

Prerequisites:

- Concurrent enrollment in Algebra 2 or higher math;
- Grade of A in Biology or B in Biology H (both semesters);
- Grade of B in Geometry (both semesters);
- Passing score on qualification exam.

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement (pending approval).

Repeat for Credit: No

Chemistry in the Earth System Honors is the third course of a three-year science pathway. This course covers the same topics as Chemistry in the Earth System but in more depth and at a faster pace. Student grades are determined by a weighted scale with more emphasis given to tests, quizzes. Daily homework averages 30-45 minutes. Students will need strong math computational skills for success in this course. Students must maintain a C in this course to continue at the Honors level.

AP PHYSICS 1

(001170) (Year) (11th-12th)

Prerequisites:

- **Chemistry H with a “B” or better OR Chemistry with an “A”**
- **Algebra 2 with a “B” or better AND concurrent enrollment in Trigonometry/Precalculus.**
- **Score of “C” or higher on qualifying exam.**
- **Must maintain a “C” or better to remain in AP Physics 1**

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement.

Repeat for Credit: No

AP Physics 1 is a college Physics course which studies the physical laws that govern nature. This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using Algebra and Trigonometry, but rarely Calculus. In most colleges, this is a one-year terminal course including a laboratory component and provides a foundation in physics for students in the life sciences, pre-medicine, and some applied sciences. It is good preparation for students who wish to pursue a major in Physical Sciences or Engineering but is not a Calculus based Physics class which those majors require. Topics covered include Newton’s Laws and Motion, Waves and Sound Energy Conservation, Electricity Momentum Conservation, Electromagnetism, Rotational Mechanics, Light Projectile and Satellite Motion, Optics, and Gravity.

AP BIOLOGY

(001180) (Year) (11th-12th)

Prerequisites:

- **Grade of B in Chemistry Honors or A in Chemistry (both semesters)**
- **Grade of B in Biology Honors or A in biology (both semesters)**
- **Completion of Algebra 2 with a B or better (both semesters)**

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement.

Repeat for Credit: No

Advanced Placement Biology is an intensive, in-depth course for students who seek additional challenge. This college-level course will focus on the content of the AP Biology curriculum and will prepare students to take the AP Biology test. Those who choose to take the AP exam in May must pay a fee; those who receive a passing score on that test may receive college credit.

Enrollment in this course is rigorous and will impact a student’s daily schedule. Students should expect one hour of homework daily.

AP ENVIRONMENTAL SCIENCE

(001161) (Year) (11th-12th)

Prerequisites:

- **Grade of B in Biology Honors or A in biology (both semesters)**
- **Grade of B or higher both semesters in Geometry**

Grad requirement: Lab Science

College Entrance Requirement: Meets university “d” requirement.

Repeat for Credit: No

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry and geography.

FORENSICS

(001095) (Semester) (11th-12th)

Prerequisites:

- **Passing grade in Biology**
- **Concurrent enrollment in Chemistry**

Grad requirement: Elective

College Entrance Requirement: Meets university “g” requirement

Repeat for Credit: No

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. This is a lab-based course designed to build upon science concepts, applying multiple areas of scientific study including biology, anatomy, chemistry and physics to solving crimes.

ASTRONOMY

(001160) (Semester) (11th-12th)

Prerequisites:

- **Passing grade in Biology**
- **Concurrent enrollment in Chemistry**

Grad requirement: Elective

College Entrance Requirement: Meets university “g” requirement

Repeat for Credit: No

Astronomy is the scientific study of the concepts of the entire Universe. This course will provide students with a study of the Universe and the conditions, properties, and motions of bodies in space. This course expands on Earth and Space Science concepts that may have been introduced in other science courses.

BIOTECHNOLOGY 1

(001155) (Year) (11th-12th)

Prerequisites:

- **Completion of Biology/Biology Honors with B- or better both semesters**
- **Concurrent enrollment in Geometry**

Grad requirement: Elective

College Entrance Requirement: Meets university “d” requirement.

Repeat for Credit: No

Biotechnology 1 is the first course of a two-year Biotechnology career pathway and will focus on applied biology and chemistry concepts used in biotechnology while also developing basic laboratory skills. Topics include lab safety, history of biotechnology, career opportunities, measurement standards, properties of water and solutions, structure and function of macromolecules, fundamentals of microbiology, and sterilization techniques. Students in this course may earn SCC credit if they earn a “B” or higher and pass the approved final exam with a “B” or higher.

SOCIAL SCIENCE DEPARTMENT

Placement in Social Science Honors and Advanced Placement (AP) classes is determined by Teacher Recommendation and a writing sample. An examination may be required. Students should expect 30 minutes of homework each night in regular history classes. Honors World History should expect 3+ hours/week and AP US History and AP Government should expect 5+ hours/week.

WORLD GEOGRAPHY AND CULTURES

(001249) (Semester) (9th-12th)

Prerequisite: None

Grad requirement: Elective

College Entrance Requirement: *Pending* university “g” requirement

Repeat for credit: No

This year-long course is designed to help you better understand our constantly changing and complex world through a study of geography. We will study geography from the physical, political, and cultural perspective through the five basic geographical themes of location, place, human-environment interaction, movement, and region. Special emphasis will be placed on geographical skills, and geographic literacy (locating countries, capitals, & physical features of the world).

WORLD HISTORY

(001251) (Year) (10th)

Prerequisite: None

Grad requirement: Social Science

College Entrance Requirement: meets University “a” requirement.

Repeat for Credit: No

Grades are based on quizzes, tests, lecture notes, class participation, maps and special projects. Reviews the origins and development of civilization and government. Traces the continued development of world civilization from 1789 – present. Identifies trends, events, movements and technologies affecting this period of history. Stresses reading and writing skills and critical thinking. Homework and research projects are required. *Students should plan on about 30+ minutes of homework each night.*

AP WORLD HISTORY

(001275) (Year) (10th)

Prerequisite: Admission is limited, and competitive, and some students who qualify may not be granted admission.

The following criteria are used in determining qualification:

- English 1 Honors with grade of B- or higher or English 1 with grade of A, and
- Overall weighted GPA of 3.00, recommended weighted GPA of 3.50, or
- Teacher Recommendation.
- Taking Geography in 9th grade is highly recommended.

College Entrance Requirement: meets University “a” requirement.

Repeat for Credit: No

See description for World History above, plus: Intended to be taught at the freshman college level, this is an advanced course in World History for the academically talented sophomore. This course may bring college freshmen History credit as per the nationally administered competitive examination in May. Traces the development of civilization throughout the world from 2000BCE to present. Each unit will incorporate one or more of the following: comparison/contrast essays, timed essays, thesis proofs, research projects/papers. There will be a charge to take the AP Exam. Students are expected to pursue a rigorous program in World History. The standards for reading, writing and reasoning ability are significantly higher than in other courses, in preparation for the AP Examination. Enrollment in this course is rigorous and may/will impact a student’s daily schedule due to a substantial time commitment to be successful. Students will leave with a strong knowledge base in world politics, religion and geography. Students should plan on 5+ hours of homework each week.

ECONOMICS

(002153) (Semester) (11th-12th)

Prerequisite: None

Grad requirement: Economics

College Entrance Requirement: Meets university “g” requirement.

Repeat for Credit: No

This Economics course helps the students to become informed and effective consumers and teaches them the Principles of Economics. This course meets the graduation requirement for Economics.

AP MICROECONOMICS

(001271) (Year) (11th-12th)

Prerequisite: None

Grad requirement: Economics

College Entrance Requirement: Meets university “g” requirement

AP Microeconomics is a semester-length course which is an introduction to microeconomics. It will introduce students to fundamentals of economics; the role of scarcity; cost-benefit analysis; how markets work; supply and demand concepts; the role of government, taxes, and externalities; and labor markets. Coverage of these concepts will provide students with the foundation for a thorough understanding of microeconomic issues. This is a first-year college level course.

AP MACROECONOMICS

(001273) (Year) (11th-12th)

Prerequisite: None

Grad requirement: Economics

College Entrance Requirement: Meets university “g” requirement

AP Macroeconomics is a semester-length course which is an introduction to macroeconomics. It will provide students with the fundamental understanding of the inner workings of macroeconomic concepts and issues. Students will understand concepts such as aggregate supply and aggregate demand; inflation; monetary and fiscal policy; GDP, business cycles; unemployment; economic fluctuations; and the national economy. Coverage of these concepts will provide students with

a foundation for a thorough understanding of how the economy works. This is a first-year college level course.

US HISTORY

(001253) (Year) (11th)

Prerequisite: None

Grad requirement: Social Science

College Entrance Requirement: meets University “a” requirement.

Repeat for Credit: No

Reviews the nation’s beginnings to the turn of the century. The remainder of the course is an in-depth study of the United States from the Progressive Era to the current controversies in American society. This course requires research projects, essays, note taking, critical thinking, reading and writing skills. *Students should plan on receiving 30 minutes of homework each night.*

AP US HISTORY

(001272) (Year) (11th)

Prerequisite: Admission is limited, and competitive, and some students who qualify may not be granted admission.

The following criteria are used in determining qualification:

- **Previous World History and English 2 Honors with a B- or English 2 with an A, and**
- **Teacher Recommendation**
- **Overall weighted GPA of 3.00**

Grad requirement: Social Science

College Entrance Requirement: meets University “a” requirement.

Repeat for Credit: No

Intended to be taught at the freshman college level, this is an advanced course in US History for the academically talented junior. This course may bring college freshmen History credit as per the nationally administered competitive examination in May. There will be a charge to take the AP Exam. Students are expected to pursue a rigorous program in US History with emphasis on test-taking and writing essays in preparation for the AP Examination. *Enrollment in this course is rigorous and may/will impact a student’s daily schedule due to a substantial time commitment to be successful. Students should plan on 5+ hours of homework each week.*

GOVERNMENT

(001255) (Year) (12th)

Prerequisite: None

Grad requirement: Social Science

College Entrance Requirement: meets University “a” requirement.

Repeat for Credit: No

In this course seniors will receive instruction in voting, political parties and elections. Other topics include the United States Constitution, civil rights, liberties and responsibilities, the Presidency and Congress, the judicial, bureaucracy, political philosophy, comparative government and international relations. Activities include lectures, discussions, reading, writing, oral reports and simulations. Instruction in geography will be included. In some sections there will be a review of World and US History and a heavy emphasis on

current events. The objective of the course is to create an informed body of citizens, and it is required for graduation. *Students should plan on receiving 30 minutes of homework each night.*

AP US GOVERNMENT & POLITICS

(001264) (Year) (12th)

Prerequisite: Admission is limited, and competitive, and some students who qualify may not be granted admission.

The following criteria are used in determining qualification:

- **Previous U.S History and English 3 Honors with a B- or English 3 with an A, and**
- **Teacher Recommendation**
- **Overall weighted GPA of 3.00.**

Grad requirement: Social Science

College Entrance Requirement: meets University “a” requirement.

Repeat for Credit: No

Intended to be taught at the freshman college level, this course is for ambitious, academically talented students. Those who choose to take the AP exam in May must pay a fee; those who do well on that test may receive college credit. Standards for reading, writing and reasoning ability are significantly higher than in other courses, but those who succeed in the course will be rewarded with enriched minds and extra grade points. *Enrollment in this course is rigorous and may/will impact a student’s daily schedule due to a substantial time commitment to be successful. Students should plan on 5+ hours of homework a week.*

INTRODUCTION TO PSYCHOLOGY

(001257) (Year) (11th-12th)

Prerequisite: None

Grad requirement: Elective

College Entrance Requirement: Meets university “g” requirement.

Repeat for Credit: No

This is a year-long course designed to acquaint the student with human behavioral patterns in the following developmental stages: infancy, preschool, adolescence and adulthood. The course examines and explains the developmental progress coinciding and comparing environment and inheritance and their impact on a person’s personality, intelligence and mental health.

INTRODUCTION TO ETHNIC STUDIES

(001259) (Semester) (9th-10th)

Prerequisite: None

Grad Requirement: Ethnic Studies

College Entrance Requirement: N/A

Repeat for Credit: No

This Ethnic Studies course is designed to develop an understanding of how race, ethnicity, nationality, and culture have shaped and continue to shape individuals and society in the United States. Students will explicitly engage in activities meant to strengthen critical thinking, effective communication and collaboration to better understand themselves and each other. The course prepares students to participate in concurrent or subsequent social studies and English courses with a solid understanding of historical trends and historical thinking. This course is designed to provide students with the knowledge to

achieve an understanding of and an appreciation for the various cultures in their community.

This one semester, introductory course will focus on the diverse American experiences, specifically those of African Americans, Asian Americans and Pacific Islanders, Latino/as and Chicano/as, and American Indians. This course will also include an identity unit in which students will consider concepts related to their own personal, group and/or national identity (e.g. race, ethnicity, and culture). Curriculum will examine the historical perspectives of groups within the United States and the factors that have shaped American society today through the analysis of historical documents, narratives and shared lived experiences.

ADVANCED TOPICS IN ETHNIC STUDIES

(001260) (Semester) (11th-12th)

Prerequisite: None

Grad Requirement: Ethnic Studies

College Entrance Requirement: Meets university “g” requirement

Repeat for Credit: No

This advanced topic course seeks to build on the historical framework developed in Introduction to Ethnic Studies and US History courses and examine contemporary topics related to race, ethnicity and culture in America. Through examination of current topics (post WWII era to the present day) students will develop an understanding of the complex factors relevant to social, political and economic interactions. Students will examine and share diverse perspectives and experiences to understand how race, ethnicity, and culture impact our daily lives.

Students will explicitly engage in activities meant to strengthen critical thinking, effective communication and collaboration to better understand themselves and each other. This course is designed to promote positive interactions, reduce stereotypes and highlight diverse perspectives about the American experience.

SPECIAL EDUCATION

Students who qualify for the Special Education program have an Individual Education Plan (IEP) which governs their placement in these classes.

CURRICULUM SUPPORT

(017881) (Year) (12th)

Graduation Requirement: Elective

College Entrance Requirement: None

Repeat for credit: Yes

This course is determined by IEP team only. The course's main purpose is to support core curriculum, individual learning needs, and learning strategies. This class's intent is to provide additional tutoring of concepts, assistance with projects and teach effective study habits to support learning in core classes and electives. The course is provided as a service to: supplement instruction and provide support for students' specific area of need, provide strategies for study skills and organization skills supplemental instruction, provide support in core subject class, and monitor progress in core classes.

Math/ELA Lab

(000510) (Year) (9th-11th)

Graduation Requirement: Elective

College Entrance Requirement: None

Repeat credit: Yes

This course is an elective course that is open to freshman through seniors based on an IEP team decision. This class is available for elective credit only and is designed specifically for those students needing additional support and instruction in mathematics and/or English to successfully access grade level curriculum and make progress towards IEP goals. Students are regularly exposed to mini lessons geared towards pre-teaching and reteaching key concepts with modifications and accommodations as appropriate. Some class time is also set aside for them to receive small group assistance on work assigned by their English and mathematics teachers.

PERSONAL FINANCE

(011791) (Year) (9th-12th)

Graduation Requirement: Math

College Entrance Requirement: None

Repeat for credit: No

Personal Finance is a graduation path math class for students with Individualized Education Plans. The course will review concepts designed to assist students in learning personal financial responsibility. Students will learn how to develop a sensible personal budget and how to manage money in a responsible way.

VOCATIONAL PREPARATION & TRANSITIONS

(017871) (Year) (12th)

Graduation Requirement: Elective

College Entrance Requirement: None

Repeat for Credit: No

The Vocational Prep and Transitions class is a course for students with Individual Education Plans (IEPs). Lessons will focus on Self-Awareness, Career Research/Options, College/Training planning, Job Seeking skills, interviewing

techniques, Resume Writing, Job Keeping skills, Finances and other necessary Independent Living skills.

Students must complete a professional portfolio and participate in Mock Interview for this class. ALL enrolled students will also need to complete the application for Department of Vocational Rehabilitation (DOR) which is the agency that will be assisting students with their post-high school plans after graduation. Counselors from Solano Transition Services and CA Department of Vocational Rehabilitation are part of the services provided free of charge through this course. Their purpose is to assist students with post-high school planning. Solano Transition Services provides exploratory field trips, when possible.

FOUNDATIONS OF MATH

(000848) (Year) (9th-12th)

Graduation Requirement: **Certificate of Completion**

College Entrance Requirement: None

Repeat for credit: Yes

Foundations of Math is a math class for students with special needs who will receive a Certificate of Completion for high school.

FOUNDATIONS OF ENGLISH 9/10

(001798) (Year) (9th-12th)

College Entrance Requirement: None

Repeat for credit: Yes

Graduation Requirement: **Certificate of Completion**

Foundations of English 9/10 is designed for students with IEP's who are working toward a Certificate of Completion. The curriculum is written to prepare students for successful transition from high school to adult careers and independent living. Students will be taught basic reading decoding, comprehension and writing skills. This class will be modified and accommodated to meet the individual needs of students

FOUNDATIONS OF ENGLISH 11/12

(001796) (Year) (9th-12th)

Graduation Requirement: **Certificate of Completion**

College Entrance Requirement: None

Repeat for credit: Yes

Foundations of English 9/10 is designed for students with IEP's who are working toward a Certificate of Completion. The curriculum is written to reinforce the reading and writing skills they have learned and apply these skills as they transition to adulthood, world of work, and the community. Students will learn how to complete basic forms and communicate effectively in various public situations. This class will be modified and accommodated to meet the individual needs of students.

FOUNDATIONS OF SCIENCE

(001150) (Year) (9th-12th)

Graduation Requirement: **Certificate of Completion**

College Entrance Requirement: None

Repeat for credit: Yes

This course is determined by IEP team only. It is a yearlong course designed to offer certificate track students' access to Physical Science and Life Science. This course will alternate between Physical and Life Science from year to year. Physical Science covers properties of matter, basic Chemistry, basic

Physics, the solar system and weather/ climate. The course includes relating science to life skills. Life Science covers topics in Biology, scientific methods, ecology, cell structure, and basic genetics. The course includes relating science to life skills.

FOUNDATIONS OF ECONOMICS

(002150) (Year) (9th-12th)

Graduation Requirement: **Certificate of Completion**

College Entrance Requirement: None

Repeat for credit: Yes

Foundations in Economics is a social science class for students with special needs who will receive a Certificate of Completion for high school.

FOUNDATIONS OF WORLD HISTORY

(017613) (Year) (9th-12th)

Graduation Requirement: **Certificate of Completion**

College Entrance Requirement: None

Repeat for credit: Yes

Foundations of World History is a social science class for students with special needs who will receive a Certificate of Completion for high school

FOUNDATIONS OF U.S. HISTORY

(017753) (Year) (9th-12th)

Graduation Requirement: **Certificate of Completion**

College Entrance Requirement: None

Repeat for credit: Yes

Foundations of U.S. History is a social science class for students with special needs who will receive a Certificate of Completion for high school

FOUNDATIONS OF AMERICAN GOVERNMENT

(001800) (Year) (9th-12th)

Graduation Requirement: **Certificate of Completion**

College Entrance Requirement: None

Repeat for credit: Yes

Foundations in American Government is a social science class for students with special needs who will receive a Certificate of Completion for high school

VISUAL & PERFORMING ARTS DEPARTMENT

ART 1 – FUNDAMENTALS

(000170) (Year) (9th-12th)

Prerequisites: None

Grad requirement: Visual and Performing Arts (VPA)

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: No

In this introductory year-long course, students will learn and apply the elements and principles of design to produce creative art projects that reflect their understanding of these concepts. This course is designed to enrich the lives of its participants through discovery and creative problem solving. A wide variety of media, artistic styles and historical periods will be explored. An introduction to graphic design and three-dimensional design will be covered in the second semester of this course. This course is a prerequisite for all subsequent art classes and art pathways.

ART 2 – DRAWING & PAINTING

(000171) (Year) (10th-12th)

Prerequisite:

- **C or better in Art I – Fundamentals (both semesters) or**
- **Teacher recommendation**

Grad requirement: VPA

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: No

This full-year course will enhance painting and drawing skills. Further exploration of media, methods and techniques will be covered, and more complex exercises and projects included. Students will be introduced to print making techniques, acrylic painting and collages. Students must keep a sketchbook. All students are required to develop a portfolio for assessment and possible college admission. Students will learn appropriate structure for critiques both verbal and written. This class will require some drawing outside of class. Art history studies are required in order to further enhance the student’s knowledge of mastery in art.

ART 2 – SCULPTURE

(000173) (Year) (10th-12th)

Prerequisite:

- **C or better in Art I – Fundamentals (both semesters) or**
- **Teacher recommendation**

Grad requirement: VPA

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: No

This year long course will introduce students to the four processes of sculpture: subtractive, additive, manipulation and assemblage. The students will work in a variety of media during first semester, which will include wire, plaster, foam, wood, paper and found objects. Second semester, students will work with clay. Students will make hand-built ceramic pieces, both

functional and sculptural. Students will be required to keep a sketchbook and digital portfolio.

ART 3 – CERAMICS

(000174) (Year) (11th-12th)

Prerequisites:

- **Completion of Art I**
- **C or better in Art II – Sculpture**

Grad requirement: VPA

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: No

This year long course will continue to explore and advance the four processes of sculpture: subtractive, additive, manipulation and assemblage. Students will work in a variety of media, but the course will focus on intermediate ceramics, building upon learned techniques from Art 2-Sculpture. The history and techniques of the pottery wheel will be introduced. The study of careers in three-dimensional art will be explored. Students will be required to keep a sketchbook and digital portfolio.

ART 3 – ADVANCED DRAWING AND PAINTING

(000186) (Year) (11th-12th)

Prerequisites:

- **Completion of Art I**
- **C or better in Art II – Drawing and Painting**

Grad Requirement: VPA

College Entrance Requirement: Meets university “f” requirement

Repeat for Credit: No

This advanced course is for students who have completed Art II and wish to continue their studies in drawing and painting. It is also an excellent preparation for students who wish to take AP Studio Art their senior year. In this course, students will be processing, analyzing, and responding to sensory information through the language and skills unique to the visual arts. Students will also explore the historical and cultural context of great works of art by past and contemporary artists. With regular group critiques, students will be responding to, analyzing, and making judgments (aesthetic valuing) about their works. Students' work will be evaluated by themselves as well as the instructor who will be looking for technical mastery, conceptual clarity/strength and a creative or inventive approach in the use of chosen materials.

AP STUDIO ART: DRAWING

(000175) (Year) (11th & 12th)

Prerequisites:

- **Completion of Art 1**
- **Completion of Art II – Drawing & Painting**
- **C or better in Art III – Adv. Draw and Paint**
- **Or Teacher Approval**

Grad requirement: VPA

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: No

This rigorous course of study focuses on developing a highly skilled portfolio, both broad and focused, which is submitted to the AP College Board for review and college credit. The class

will also prepare the student, specifically, for entrance into any art school. The Drawing Portfolio that students are required to complete are made up of three distinct sections which are as follows:

Breadth: Students are required to complete 12 works of art using a variety of concepts, techniques and media. The work for this section should show experimentation and demonstrate range of conceptual approaches to the work.

Concentration: For this course, a concentration is a body of related works that demonstrate a student's sustained and thoughtful investigation of a specific visual idea or concern. Students are required to produce 12 works and are encouraged to explore a personal, central interest as intensively as possible.

Quality: For this section, students are required to submit to the AP College Board 5 actual works in one or more media. These works may be selected from the breadth or concentration sections (or both) and should be work that succeeds in developing the student's intentions in terms of both concept and execution. Students are asked to demonstrate mastery through a variety of two-dimensional media, including drawing, painting, printmaking, collage and mixed-media.

Enrollment in this course is rigorous and will impact a student's daily schedule due to a substantial time commitment to be successful. Expectations for work done outside of class is approximately a minimum of 2 hours a day for 5 days each week in order to stay within the timeline framework for portfolio submission in the spring.

AP STUDIO ART: 2D DESIGN

(000178) (Year) (11th & 12th)

Prerequisites:

- **Completion of Art 1**
- **C or Better in Art II – Drawing & Painting or Art II – Graphic Design**
- **Or Teacher Approval**

Grad requirement: VPA

College Entrance Requirement: Meets university "f" requirement.

Repeat for Credit: No

This rigorous course of study focuses on developing a highly skilled portfolio, both broad and focused, which is submitted to the AP College Board for review and college credit. The class will also prepare the student, specifically, for entrance into any art school. The Drawing Portfolio that students are required to complete are made up of three distinct sections which are as follows:

Breadth: Students are required to complete 12 works of art using a variety of concepts, techniques and media. The work for this section should show experimentation and demonstrate range of conceptual approaches to the work.

Concentration: For this course, a concentration is a body of related works that demonstrate a student's sustained and thoughtful investigation of a specific visual idea or concern. Students are required to produce 12 works and are encouraged to explore a personal, central interest as intensively as possible.

Quality: For this section, students are required to submit to the AP College Board 5 actual works in one or more media. These works may be selected from the breadth or concentration sections (or both) and should be work that succeeds in

developing the student's intentions in terms of both concept and execution. Students are asked to demonstrate mastery through a variety of two-dimensional media, including drawing, painting, printmaking, collage and mixed-media.

Enrollment in this course is rigorous and will impact a student's daily schedule due to a substantial time commitment to be successful. Expectations for work done outside of class is approximately a minimum of 2 hours a day for 5 days each week in order to stay within the timeline framework for portfolio submission in the spring.

AP STUDIO ART: 3D DESIGN

(000185) (Year) (11th-12th)

Prerequisites:

- **Completion of Art 1**
- **Completion of Art II – Sculpture**
- **C or better in Art III – Ceramics**
- **Or Teacher Recommendation**

Grad Requirement: VPA

College Entrance Requirement: Meets university "f" requirement

Repeat for credit: No

This rigorous course of study focuses on developing a highly skilled portfolio, both broad and focused, which is submitted to the AP College Board for review and college credit. The class will also prepare the student specifically for entrance into any art school. The 3D Design Portfolio that students are required to complete is made up of three distinct sections which are as follows:

Breadth: Students are required to complete 12 works of art using a variety of concepts, techniques, and media. The work for this section should show experimentation and demonstrate range of conceptual approaches to the work.

Concentration: For this course, a concentration is a body of related works that demonstrates a student's sustained and thoughtful investigation of a specific visual idea or concern. Students are required to produce 12 works and are encouraged to explore a personal, central interest as intensively as possible.

Quality: For this section, students are required to submit to the AP College Board 5 actual works in one or more media. These works may be selected from the breadth or concentration sections (or both) and should be work that succeeds in developing the student's intentions in terms of both concept and execution. Students are asked to demonstrate mastery through a variety or three-dimensional media, including ceramics, wire, plaster, paper Mache, wood, metal, and mixed media. Enrollment in this course is rigorous and will impact a student's daily schedule due to a substantial time commitment to be successful. Expectations for work done outside of class is approximately a minimum of 2 hours a day for 5 days each week in order to stay within the timeline framework for portfolio submissions in the spring.

CONCERT CHOIR

(000952) (Year) (9th-12th)

Prerequisite: None

Grad requirement: VPA

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: Yes

This is a non-auditioned, performance- oriented course designed for the student who wants to learn about and perform choral literature. Students will learn basic vocal techniques, music theory, and sight-reading. Students will be required to attend concerts, festivals, and community performances as decided by the Music Department. Course may be repeated.

PIANO 1

(000964) (Year) (9th-12th)

Prerequisite: None

Grad requirement: VPA

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: No

This Course focuses on beginning piano skills through hands-on experience with electric keyboards and acoustic pianos. Basic music theory, chord structure, correct fingering techniques, and keyboard operation are studied. By the end of the course, students will be able to individually perform a variety of repertoire on the piano. No previous piano experience is required.

MARCHING BAND

(000962) (Semester) (9th)

Prerequisite and co-requisite: Band members (any woodwind, brass or percussion instrument) must have at least one year of playing experience and also enrolled in a regular music course while in this class. Guard members are by audition only and are not required to be in a music class.

Grad requirement: Elective

College Entrance Requirement: None

Repeat for Credit: Yes

During the fall the marching band consists of winds, Percussion and Color guard. The band performs at home football games, community events. The band travels to four or five band contests during the fall. A band technique camp held before the start of school is required for all members. The fall marching band seasons runs from August to mid-November.

MARCHING BAND 10-12

(000963) (Semester) (10th-12th)

Prerequisite and co-requisite: Band members (any woodwind, brass or percussion instrument) must have at least one year of playing experience and also enrolled in a regular music course while in this class. Guard members are by audition only and are not required to be in a music class.

Grad requirement: PE

College Entrance Requirement: None

Repeat for Credit: Yes

During the fall the marching band consist of winds, Percussion and Color guard. The band performs at home football games, community events. The band travels to four or five band contests during the fall. A band technique camp held before the start of

school is required for all members. The fall marching band seasons runs from August to mid-November.

Marching Band 10-12, will count as 5 credits of physical education credit each semester completed.

WINTER ENSEMBLES

(000966) (Semester) (9th-12th)

Prerequisite: Entrance by Audition

Grad Requirement: VPA

College Entrance Requirement: None

Repeat for Credit: Yes

Students in winter ensembles will have the opportunity to train and develop performance techniques and evaluation criteria in the winter guard or winter percussion idiom. Students will coordinate these skills into comprehensive show and perform at competitions. Audition information is available through the music department.

SYMPHONIC BAND (Entry Level Band)

(000181) (Year) (9th-12th)

Prerequisites: At least one year experience in concert band instrument.

Grad requirement: VPA

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: Yes

The Symphonic Band is the entry level ensemble. Fundamentals of musicianship are stressed. Individual technique and practice habits are refined. Ensemble procedures and rehearsal techniques are strengthened. Literature studied is from the intermediate level. Evening concerts, festival participation and home football games (as a pep band) outside regular class time will be required.

WIND ENSEMBLE (Advanced Band)

(000180) (Year) (9th-12th)

Prerequisites: Audition and Consent from the Director

Grad requirement: VPA

College Entrance Requirement: Meets university “f” requirement.

Repeat for Credit: Yes

The Wind Ensemble is the advanced concert band. Placement is by audition only. The course involves refinement of individual musicianship and advanced ensemble techniques, preparation of major works and other literature for band, and to further enhance the attainment of aesthetic values and standards through performance. Community performances, evening concerts and festival participation outside regular class time will be required.

WIND ENSEMBLE HONORS (Advanced Band)

(000000) (Year) (9th-12th)

Prerequisites: 1 year of Wind Ensemble, Consent from the Director

Grad requirement: VPA

College Entrance Requirement: Pending university “f” requirement.

Repeat for Credit: Yes

Wind Ensemble Honors is open to any 10-12th grade students who have completed one year of Wind Ensemble and are ready

to advance their musical skills and knowledge. Students accepted to the Honors section will perform at all Wind Ensemble concerts and events in addition to auditioning for county/region/state honor band, prepare and host the solo/ensemble recital concert, and complete the culminating project term paper.

JAZZ BAND

(000956) (Year) (9th-12th)

Prerequisite: Audition and Consent from the Director

Grad requirement: VPA

College Entrance Requirement: Meets university “F” requirement.

Repeat for Credit: Yes

This is an advanced performing group. Placement in band is by audition. Desired instrumentation includes trombone, trumpet, saxophone, drum set, bass guitar, double bass and piano. The course of study involves literature of the big band, combo techniques and improvisation. Community performances, evening concerts and festival participation outside regular class time will be required.

AP MUSIC THEORY

(000958) (Year) (10th-12th)

Prerequisite: None

Grad requirement: Fine Arts

College Entrance Requirement: Meets university “F” requirement.

Repeat for Credit: Yes

In AP Music Theory students will study musical notation, chords, harmonic analysis, counterpoint, composition and musical form. The study of these materials will begin at an entry level of understanding and progress through advanced exercises. Other topics include chromaticism, advanced chord structures, non-harmonic tones, and harmonic cadences. AP Music Theory also incorporates auditory training in the form of dictating written music from sounded pitches and identifying sounding pitches from written music. AP Music theory is rigorous in content and expectation. Students should plan to have between three and four hours of homework per week for this course.

INTRODUCTION TO THEATER

(000191) (Year) (9th-12th)

Prerequisite: None

Grad requirement: Fine Arts

College Entrance Requirement: Meets university “F” requirement.

Repeat for Credit: No

This is a year-long performance-based course designed to develop theater knowledge and skills beginning with a historical perspective for understanding Theatre Arts, with a central focus on the varied elements of theatrical storytelling through characterization, textual analysis, and design. Assignments will integrate various design elements with special skills needed to demonstrate the basics of Theatre and Drama. Students will explore Western and Non-Western forms of acting, plays, and cultural perspectives in conjunction with class reading assignments, improvisation, self-scripted scene work, scenes and one act plays for performance projects. Students will evaluate live and filmed performances. Students can expect to

use their bodies and minds in an artistically and intellectually safe classroom and must be willing to work well with others.

INTERMEDIATE DRAMA

(000196) (Year) (10th-12th)

Prerequisite:

- **Introduction to Theater with a C or better, and**
- **Teacher Recommendation.**

Grad requirement: Fine Arts

College Entrance Requirement: Meets university “F” requirement.

Repeat for Credit: Yes

Students will continue more advanced studies of acting techniques in this year-long performance-based course. This class includes, but is not limited to, advanced work in voice, movement improvisation, audition techniques, monologues and scene work. Various acting methods will be surveyed. Students will produce short productions that reflect the techniques and skills learned. Students will use technical knowledge to evaluate live and filmed performances.

ADVANCED DRAMA

(000192) (Year) (10th-12th)

Prerequisite:

- **Monologue audition and consent of teacher**
- **Intro to Theater Arts or Intermediate Drama with a B or better**

Grad requirement: Fine Arts

College Entrance Requirement: Meets university “F” requirement.

Repeat for Credit: Yes

This is a year-long project-based course intended for the serious Theater student. Students will explore more in-depth acting skills through performance theory exercises; analyze and demonstrate production values through lighting, costume, and set design for group one act plays; improve dramatic literacy through independent, self-selected play reading; and the entire class will work as an ensemble to fully produce a play. Students will evaluate live and filmed performances. Students are expected to use their bodies and minds in an artistically and intellectually safe classroom as they work well with others. Coursework rotates so students may repeat the course; therefore, curriculum may support the mainstage Fall play and Spring musical as well as the one act plays which are taken to regional and state competitions.

STAGECRAFT

(000195) (Year) (10th-12th)

Prerequisite:

- **C- or better in Introduction to Theatre or**
- **Teacher Recommendation.**

Grad requirement: VPA

College Entrance Requirement: None

Repeat for Credit: Yes

This course explores the technical aspects of theater. Throughout the course, students will learn about designing and constructing sets, while meeting with a director and design team. Students will also look at costuming and how clothing, makeup, and hair help reveal the character and support theatrical storytelling.

Students will also be working with lighting and sound and how both light and sound design augments a theatrical production. Students will learn how to perform many of the crucial stage and house crew jobs that are necessary for any production to run smoothly.

DESIGN PUBLISHING (YEARBOOK)

DESIGN PUBLISHING I, II, III, IV

(000163, 000164, 000165, 000166) (Year) (9th-12th)

Prerequisite: Application and Teacher Approval.

Grad requirement: Career Pathway

College Entrance Requirement: Pending university “I” requirement

Repeat for Credit: Yes

A full year course designing, producing, and marketing a major book project and related reproduced media. Students work with a professional publisher in a cooperative learning environment to produce the Vanden yearbook, *Saga*. Students design layouts, shoot and manipulate photographs, create graphics, advertise, produce and distribute the book and other products. Production includes computer graphics programs such as PageMaker, Photoshop and dedicated publishing applications. Students are expected to attend school events to gather story content and photographs, in both 35mm and digital formats. Students with skills in graphic design, photography, writing, fine arts, and computers (PageMaker knowledge is a plus) are encouraged to enroll. Enrollment must be for a full year. No students will be allowed to enroll after the first three weeks of school.

ETHNIC STUDIES ART

ETHNIC STUDIES: ART

(001262) (Year) (11th-12th)

Prerequisite: None

Grad requirement: Ethnic Studies

College Entrance Requirement: N/A

Repeat for Credit: No

A semester long studio art class with an emphasis on cultural diversity. Students will develop respect, empathy, and solidarity with historically marginalized people through art history, art analysis and studio art practice. This course will include perspectives on race, ethnicity, economic class, gender, gender identity, gender expression, nationality, sexual orientation etc... forming cultural identity. Through art making, students will develop an understanding and a view of diversity through the relationship of power and privilege that shape American art and culture.

Students will gain appreciation for the diverse cultural traditions of: Black/ African American, Native American (Indigenous), Asian and Pacific Islander, Latinx/ Chicano/a peoples. A goal is to provide students with a framework for looking at, understanding, and appreciating art from a variety of other cultures while simultaneously creating art. Students will research a variety of artworks and artists within social, economic, cultural, religious, political, and historical context. Students will produce a series of projects looking at the essential aesthetic qualities that identify a given culture. Artwork will be exhibited to further circulate knowledge on these subjects to the students' community.

WORLD LANGUAGES

FRENCH

FRENCH 1

(000551) (Year) (9TH-12TH)

Prerequisite: C or better in previous year's English

Language Arts class

Grad requirements: Foreign Language

College Entrance Requirement: Meets university "c" requirement.

Repeat for Credit: No

The objective of this course is to develop the basics of communication in French. The course begins the development of the four language skills: listening, speaking, reading, and writing. Building a spoken and written vocabulary is stressed in addition to basic French grammar. French customs and culture are presented and discussed. Daily homework includes either a written assignment or studying for a quiz.

FRENCH 2

(000552) (Year) (10TH-12TH)

Prerequisite: C in French 1 both semesters

Grad requirement: Foreign Language

College Entrance Requirement: Meets university "c" requirement.

Repeat for Credit: No

This course continues to develop the basics of communication in French. The skills of listening, speaking, reading and writing are further developed with emphasis being given to speaking and listening comprehension. French customs and culture are further discussed.

FRENCH 3

(000553) (Year) (10th-12th)

Prerequisite:

- **C in French 2 both semesters or**
- **Teacher Recommendation**

Grad requirement: Foreign Language

College Entrance Requirement: Meets university "c" requirement.

Repeat for Credit: No

A review of the basic grammar and vocabulary of French 1 or 2 will be made in this course. Also, there will be a survey of French literature and more extensive practice in written and spoken French. French customs and culture will be discussed.

FRENCH 4

(000554) (Year) (11th-12th)

Prerequisite:

- **C in French 3 both semesters and**
- **Teacher Recommendation**

Grad requirement: Foreign Language

UC/CSU requirement: Yes

College Entrance Requirement: Meets university "c" requirement.

Repeat for Credit: No

Rigorous study of literature, grammar, speaking, listening, writing, and study of French culture will take place. Students will have the opportunity to take the AP exam in French in May.

GERMAN

GERMAN 1

(000555) (Year) (9th-12th)

Prerequisite: C or better in previous year's English

Language Arts class

Grad requirements: Foreign Language

College Entrance Requirement: Meets university "c" requirement.

Repeat for Credit: No

This is a two-semester course in German grammar and vocabulary. The course introduces practical language skills through the reading, writing, listening, and speaking of elementary German. The course also introduces the culture, geography, and history of German-speaking countries. Students will use textbooks, workbooks, and audio/visual material.

GERMAN 2

(000556) (Year) (9th-12th)

Prerequisites: Completion of German 1 with a C or better both semesters

Grad requirement: Foreign Language

College Entrance Requirement: Meets university "c" requirement.

Repeat for Credit: No

This is a two-semester continuation of the first-year course. The course presents practical language skills through the reading, writing, listening, and speaking of intermediate German. The course also explores German current events, literature, geography, and history.

GERMAN 3

(000557) (Year) (9th-12th)

Prerequisite: Completion of German 2 with a C+ or better both semesters

Grad requirements: Foreign Language

College Entrance Requirement: Meets university "c" requirement.

Repeat for Credit: No

This is a two-semester course introducing new material and reviewing the material covered in the first two years and includes emphasizing fluency in speaking and reading. There is extensive use of CDs, videos, computer programs, and the internet. Students will create larger projects emphasizing the speaking, listening, reading, and writing of German.

GERMAN 4

(000558) (Year) (9th-12th)

Prerequisite: Completion of German 3 with a C+ or better both semesters

Grad requirement: Foreign Language

College Entrance Requirement: Meets university "c" requirement.

Repeat for Credit: No

This is a course of two semesters expanding the student's ability to communicate in written and spoken German through

selections from German literature and history. Students will explore German authors, artists, composers, and their works. The course emphasizes speaking, listening, reading, and writing of advanced German.

GERMAN 5

(000568) (Year) (9th-12th)

Prerequisite: Completion of German 4 with a C+ or better both semesters

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

This is a two-semester course of individual study or work within the German 4 class at a more advanced level. A complete grammar review and the readings of several complete works of literature will be undertaken.

LATIN

LATIN 1

(000559) (Year) (9th-12th)

Prerequisite: C or better in previous year’s English Language Arts class

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

Latin I introduces basic Latin Grammar and covers the mythology and some of the history of the Roman world. Students will learn the present, imperfect, perfect, and future tenses of Latin verbs; will learn all five declensions of Latin nouns; will review and understand English sentence structure; and will learn word roots that will help them build their English vocabulary.

LATIN 2

(000560) (Year) (9th-12th)

Prerequisite: C in Latin 1 both semesters

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

Latin 2 concludes the study of Latin grammar started in Latin 1. By the end of the course, students will have learned all tenses, voices, and moods of the Latin verb; will have a thorough understanding of Latin sentence structure and will begin reading ancient Roman poetry and prose. Students will continue their study of Roman mythology, culture, and history.

LATIN 3

(000561) (Year) (9th-12th)

Prerequisite:

- C in Latin 2 both semesters or
- Teacher Recommendation

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

In Latin 3 students will translate and study ancient Roman authors including Horace, Catullus, Ovid, and Virgil, and seek to find parallels between their works and more modern literature and art.

LATIN 4

(000562) (Year) (9th-12th)

Prerequisite:

- C in Latin 3 both semesters and
- Teacher Recommendation

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

In Latin 4 students will translate and study ancient Roman authors including Horace, Catullus, Ovid, and Virgil, and seek to find parallels between their works and more modern literature and art. Students may choose to take the Latin AP at the end of this course.

ADVANCED PLACEMENT LATIN

(000562) (Year) (9th-12th)

Prerequisite:

- C in Latin 3 both semesters and
- Teacher Recommendation

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

In Latin 4 students will translate and study ancient Roman authors including Horace, Catullus, Ovid, and Virgil, and seek to find parallels between their works and more modern literature and art. Students may choose to take the Latin AP at the end of this course.

AP Latin is a yearlong course dedicated to the study of two Roman authors - Vergil and Caesar. It mirrors an upper division college course in Latin and will allow students to deepen their understanding of Latin grammar and syntax while pursuing in-depth knowledge of Vergil's *Aeneid* and Caesar's *De Bello Gallico*. Students are encouraged to take the AP Latin exam in May for possible college credit.

SPANISH

SPANISH 1

(000564) (Year) (9th-12th)

Prerequisite: C or better in previous year’s English Language Arts class

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

The objective of the course is to develop the basics of communication in Spanish language. The course begins the development of the four language skills: listening, speaking, reading and writing - the skills of listening, comprehension and speaking being stressed most. Selected aspects of Spanish and Spanish-American civilization and culture are presented.

SPANISH 2

(000565) (Year) (9th-12th)

Prerequisite: C in Spanish 1 both semesters

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

This course continues to develop the basics of communication in Spanish. The skills of listening, speaking, reading and writing are further developed - emphasis still being given to listening and speaking. An introduction to short stories. Selected aspects of Spanish and Spanish-American civilization and culture are presented.

SPANISH 2 HONORS

(000579) (Year) (10th-12th)

Prerequisite:

- A in Spanish 1 both semesters or
- Teacher Recommendation

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

Spanish 2 Honors presents a more rapid, comprehensive review of all grammatical concepts and structures studied in Spanish 1. The course will develop the student’s proficiency in all four communicative areas of language learning: reading, writing, listening and speaking. More emphasis will be placed on speaking and oral comprehension. Also, more supplemental individual and group projects that relate to the real world (job skills, academic settings, business skills, etc.). More conversational activities will be implemented to immerse students in the target language. Students will study in more depth the culture(s) and history of the Spanish-speaking world. Advance cultural and literary readings, along with more authentic sources will provide for independent reading on a number of pertinent an

SPANISH 3 HONORS

(000577) (Year) (10th-12th)

Prerequisite:

- Completion of Spanish 2 Honors with a B better both semesters.
- Also, students that excel in regular Spanish 2 and are recommended by teacher will be considered.

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

The Spanish 3 Honors course, while similar to Spanish 3, will challenge the students into learning the complexities of the language. A more in-depth study of the variety of the Latin American, Spanish, and Hispanic (in the US) cultures will be explored and analyzed through the uses of different literary works, including but not limited to, poetry, short story, essay, journalism articles, etc. The book ¡Exprésate! Level 3 along with other grammar/vocabulary supplemental materials will be used to accelerate language acquisition abilities. The overall objectives of the Spanish 3 Honors course are to prepare the

students to participate in the Spanish Speaking world. The students will continue to develop, reinforce and refine proficiency in listening, speaking, reading, writing, and culture awareness. The students will be able to use more complicated structures in conversations and compositions.

SPANISH 3-5

(000566, 000567, 000569) (Year) (9th-12th)

Prerequisite:

- B in Spanish 2 both semesters or
- Teacher Recommendation

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

The objective of the course is to perfect the skills of communication in Spanish. The major grammatical patterns are reviewed, and the study of fine grammatical points is undertaken. The class is conducted in Spanish. Short novels, plays and stories are read and discussed in Spanish. Major emphasis is placed upon vocabulary building.

AP SPANISH LANGUAGE & CULTURE

(000575) (Year) (11th-12th)

Prerequisite:

- B or better in Spanish 3-5 both semesters and
- Teacher Recommendation

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

This advanced course in Spanish prepares students for the AP Spanish language exam in May. There will be a charge to take the AP exam. College credit may be awarded to those who pass the test. Rigorous study of literature, grammar, speaking, listening, writing, and study of Latin American and Spanish culture will take place.

SPANISH FOR SPANISH SPEAKERS LEVEL 1

(000576) (Year) (9th-12th)

Prerequisite: Teacher Recommendation

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

This course is designed for the student whose first language is Spanish or who is semi-proficient in the Spanish language. The deficiencies that these students demonstrate can range from reading, writing, and/or speaking skills. The language typically used by these students is an informal or colloquial spoken one. In this class, students will acquire or further enhance a more formal/academic Spanish language through readings, writing, grammar, and speaking exercises or activities. A greater emphasis will be placed on vocabulary and grammar based on the different levels of proficiency. Students will develop an appreciation for their cultural, historical, and linguistic background through the exploration of readings of Hispanic authors from the U.S, Spain, and Latin America. The goal of the

cultural component will be to cover the U.S., Spain, Mexico and the Caribbean through the different literary genres and other resources: short story, essay, poetry, video, and novel, and special projects (family tree presentations, culinary assignments, etc.).

SPANISH FOR SPANISH SPEAKERS LEVEL 2

(000578) (Year) (9th-12th)

Pre-requisite: Teacher Recommendation

Grad requirement: Foreign Language

College Entrance Requirement: Meets university “c” requirement.

Repeat for Credit: No

This course is designed for second year Spanish Speakers who have acquired a mastery in literacy skills and, also, in oral proficiency. Students will work on further developing or improving their reading, writing, speaking abilities of the target language while, at the same time, improve their formal or academic Spanish communication skills. Students will develop an appreciation for their cultural, historical, and linguistic background through the exploration of readings of Hispanic authors from the U.S, Spain, and Latin America. The goal of the cultural component will be to cover the U.S., Spain, Mexico and the Caribbean through the different literary genres and other resources: short story, essay, poetry, video, and novel. Students will learn about the culture(s) that they come from, their experiences in this society, and the importance of being bilingual both in terms of the job market and/or a college career. A guest speaker component will also be a part of the class, in order to motivate students and provide them with role models from their communities. Students will also work diligently to prepare for the AP Exam.