



# Course Catalog 2019-2020

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## General Information

### INTRODUCTION

The information in this publication has been compiled to assist students in planning their four years of high school course work. Courses offered next fall will be the courses students select this spring. Generally, if fewer than twenty-five students request a class, it will not be offered. Choose alternative courses wisely.

### SCHOOL DISTRICT CALENDAR

This calendar is subject to change. Please review the current calendar online at: <https://ccsd.net/district/calendar/>

### PREREGISTRATION

The following important information should be reviewed before selecting classes:

1. Review graduation requirements.
2. Set educational goals to prepare for your post-high school plans and career interests.
3. An on-line four-year Academic Plan is accessible through Infinite Campus for regular review and revision as necessary. Regular review of the plan throughout high school will assist students in preparation for adulthood in the 21<sup>st</sup> Century.
4. Research the requirements for the college or university you are considering to ensure that you are selecting appropriately.
5. Prior courses may be repeated for a higher grade with the clearance of your counselor.
6. Any course taken outside of the Palo Verde High School campus **MUST** be approved and signed off by your counselor **FIRST**.
7. **YOU WILL BE EXPECTED TO REMAIN IN YOUR COURSES THROUGHOUT THE ACADEMIC YEAR UNLESS A CHANGE IS NECESSITATED BECAUSE OF ERRORS IN PLACEMENT OR GRADUATION REQUIREMENTS.**
8. **COURSES DROPPED AFTER THE 18TH DAY OF A SEMESTER WILL RECEIVE A GRADE OF "F".**
  - READ** the entire Course Catalog before you register. Be certain the prerequisites for selected courses have been met.
  - DISCUSS** your course selection with your parents and teachers before registration. Many courses require teacher approval, fees, outside time commitments and/or attendance at school events.
  - COMPLETE** the online registration form to select your electives.

### INFINITE CAMPUS – INTERNET STUDENT INFORMATION SYSTEM

INFINITE CAMPUS provides users with up-to-date student information and helps to speed the flow of communication. The INFINITE CAMPUS web interface is easy to use and requires no training. Parents can access INFINITE CAMPUS from work or home to check on attendance, report cards, current grading information, and transcripts. Information regarding downloads can be found at: [ccsd.net/parents/infinite-campus/choice.php](https://ccsd.net/parents/infinite-campus/choice.php)

## **4X4 BLOCK SCHEDULE**

Palo Verde High School operates on a 4X4 block schedule. Students attend periods 1-3-5-7 on A day and periods 2-4-6-8 on B day. A total of 8 credits can be earned during the regular day in the school year.

## **PREREQUISITES**

Prerequisites are listed in the Course Catalog to help students and parents make the best educational decisions possible. Students must either meet these prerequisites to enroll in a course or request permission to challenge the course. Both semesters of a prerequisite course must be successfully completed.

## **COURSE FEES**

Elective course fees are charged for select classes. These course fees cover the actual cost for supplies and course materials. A family's difficulty purchasing all the necessary items and/or fees will not prevent a student's enrollment in any class. If alternatives to immediate payment of fees must be considered, the counselor and/or respective teacher(s) should be contacted. Classes will not be changed due to an inability to pay a fee.

## **EARLY AND LATE BIRD CLASSES**

Early and Late Bird classes are offered on a limited basis depending on staffing and funding. Some classes are offered as electives. Students who choose to take an early or late bird class must remain in the class for the entire semester and maintain their complete schedule. Also, students that take an early or late bird class must provide their own transportation.

## INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME

Palo Verde High School is an International Baccalaureate World School offering the Diploma Programme. Additionally, we offer Certificate Courses to be taken as individual classes. Only those students who follow the two year prescriptive courses and program set by IB will be eligible for the International Baccalaureate Diploma. IB World Schools share a common philosophy: a commitment to high quality, challenging international education. Palo Verde's own mission statement emphasizes the IB philosophy: *the mission of Palo Verde is to prepare students to realize their academic, creative, emotional, physical, social, and career potentials as contributing members of a multicultural society in an international community of mutual respect.* Only schools authorized by the IB Organization can offer the Diploma Programme. For further information about the IB and its programmes, visit <http://www.ibo.org>.



Research by the IB Global Research Department reports the following:

“In the University of California system, DP (Diploma Programme) performance was the best predictor of college performance, and across income groups IB students earned higher grade point averages and graduated at higher rates.”

“Of DP students...who attend college in the US, most enroll directly in *somewhat selective*, or *more selective*, four-year institutions, and generally graduate at higher rates than the institutional averages.”

“In US high schools, IB students rated higher levels of academic, social and emotional engagement...”

*IB World* reports the top TEN reasons why the **IB Diploma is ideal for university preparation**:

1. It offers academic breadth AND depth,
2. Graduates care about more than just results,
3. It creates independent thinkers who feel prepared,
4. It's a genuinely international qualification,
5. Universities recognize it – and give credit for it,
6. The IB encourages critical thinking,
7. You'll never need to learn time management,
8. It assesses more than examination techniques,
9. Subjects are not taught in isolation, and
10. IB learners are: open-minded, risk-takers, communicators, thinkers, inquirers, balanced, knowledgeable, reflective, caring, and principled

As reported on the IB organization web site: The IB Diploma Programme (DP) is an academically challenging and balanced programme of education with final examinations that prepare students, aged 16 to 19, for success at university and life beyond. It has been designed to address the intellectual, social, emotional and physical well-being of students. The programme, has gained recognition and respect from the world's leading universities.

The Diploma Programme prepares students for effective participation in a rapidly evolving and increasingly global society as students are challenged to complete the following:

- Develop physically, intellectually, emotionally and ethically
- Acquire breadth and depth of knowledge and understanding, studying courses from 6 subject groups
- Develop the skills and a positive attitude toward learning that will prepare them for higher education
- Study at least two languages and increase understanding of cultures, including their own
- Make connections across traditional academic disciplines and explore the nature of knowledge through the programme's unique theory of knowledge course
- Undertake in-depth research into an area of interest through the lens of one or more academic disciplines in the extended essay
- Enhance their personal and interpersonal development through creativity, action and service

## **REQUIREMENTS**

IB Diploma Programme students must choose one subject from each of groups 1 through group 5 – studies in language and literature, language acquisition, individuals and societies, science, mathematics. Students may choose either an arts subject from group 6, or a second subject from groups 1 to 5. At least three and not more than four subjects are taken at higher level, while the other subjects are taken at standard level. Visit <http://www.ibo.org> for more information.

The Diploma Programme features three core elements that broaden students' educational experience and challenge them to apply their knowledge and skills.

- The extended essay asks students to engage in independent research through an in-depth study of a question relating to one of the Diploma Programme subjects they are studying. The world studies extended essay option allows students to focus on a topic of global significance examined through two Diploma Programme subjects.



## **REQUIREMENTS (cont.)**

- Theory of knowledge develops a coherent approach to learning that unifies the academic disciplines. In this course on critical thinking, students inquire into the nature of knowing and deepen their understanding of knowledge as a human construction.
- Creativity, action, service (CAS) involves students in a range of activities alongside their academic studies throughout the Diploma Programme. Creativity encourages students to engage in the arts and creative thinking. Action seeks to develop a healthy lifestyle through physical activity. Service with the community offers a vehicle for new learning with academic value.

## **PROGRAM AIMS**

- Provide rigorous and broad-based curricula and assessments.
- Maintain high academic standards common to schools worldwide.
- Allow students to develop individual talents.
- Foster critical and compassionate thinkers.
- Open the window between the classroom and the outside world.
- Foster a lifelong interest in learning as well as informed and responsible citizenship.
- Promote international understanding and a respect for a variety of cultures.
- Facilitate university entrance around the world.

## **WHAT IS IT?**

- An internationally recognized program.
- A high-quality curriculum that aims to encourage critical thinking by the study of traditional disciplines while encouraging an international perspective.
- A program designed for the academically motivated student who can function across the curriculum and who has learned to manage time well.

## **WHY DO IT?**

- IB has an international acceptability, which allows for both flexibility and mobility.
- IB educates the “whole person.”
- IB encourages students to appreciate cultures and attitudes other than their own and to be informed, tolerant, and willing to communicate with others.
- The IB approach to education is not encyclopedic. The emphasis is on helping students to learn how to learn and how to analyze.
- IB provides a broad general education while still allowing specialized study in areas corresponding to the individual’s interests and plans for the future.
- IB provides rigorous and broad-based curricula and assessments.
- IB maintains high academic standards common to schools worldwide.
- IB allows students to develop individual talents.

**Students must have taken Geometry and the second year of the same foreign language prior to the start of their junior year.**

## GRADUATION REQUIREMENTS

1. Complete coursework designed around individual goals and core enrollment expectations
2. Take the ACT with Writing in junior year, at no cost
3. Earn a diploma (see below)

## DIPLOMAS

Diploma Type	English	Mathematics	Science	Social Studies	PE	Health	Computers	Arts/Hum/CTE	Flex Credit	Foreign Language	Electives	Total	GPA
Advanced	4	4	3	3 *	2	0.5	0.5	1	-	-	6	24	3.25 unweighted
Advanced Honors (Honors Units   Total Units)	3   4	2   4	2   3	2   3	-   2	-   0.5	-   0.5	-   1	-	1   -	2   6	12   24	3.25 unweighted
College and Career Ready ***	4	4	3	3 *	2	0.5	0.5	1	-	-	6	24	3.25 weighted
Standard and Alternative^ (2019-2021)	4	3	2	2	2	0.5	0.5	1 *	-	-	7.5	22.5	-
Standard and Alternative^ (2022 and beyond)	4	3	2	2	2	0.5	0.5	1 *	2 **	-	6	23	-

The current GPA cap is 4.800. There will be no GPA cap beginning with the Cohort of 2021.

Please review the *Grade Point Average (GPA)* section of this guide for a description of GPA weighted and unweighted calculations.

^ Students with significant cognitive disabilities are eligible to earn an Alternative Diploma through participation in the Nevada Alternate Assessment (NAA) and successful completion of the course credits required for a standard diploma.

\* CCSD students are required to take semester 1 and 2 of World History or Geography to satisfy either the Arts/Humanities/CTE state requirement for the standard diplomas or the additional social studies requirement for the other diplomas. Students may combine different semesters of World History and Geography to meet this requirement.

\*\* Flex credits can be: a 2nd or 3rd year CTE concentrator course in one program of study, or a 4th year of math (including Algebra II or higher), or a 3rd year of science, or a 3rd year of social studies.

\*\*\* Students must complete the 24 credits indicated, including Algebra II or higher, and demonstrate the following:

1. Proficiency in two languages (Seal of Biliteracy), or 2 credits in AP, IB, Dual Credit, CTE, Work Based Learning, or world language courses.
2. Earn one or both endorsements:

**College Ready:** Students that complete a college readiness assessment and receive scores for placement into non-remedial college-level English and math courses as determined by NSHE Board of Regents. ACT English 18, SAT Reading 480, ACT Math 22, SAT Math 530, Smarter Balanced level 3 (English and math), PARCC level 4 (English and math).

**Career Ready:** Students that complete the ACT NCRC - level Silver or above, or ASVAB - score 50 or above, or obtain a CTE Skills Attainment certificate, or obtain a Nevada Industry-Recognized Credential.

## CORE ENROLLMENT EXPECTATIONS

The Clark County School District (CCSD) strives to prepare students for success in postsecondary education and in the workforce by providing a rigorous curriculum. The Core Enrollment Expectations are consistent with Nevada Revised Statute (NRS 389.018) and aligned with the Governor Guinn Millennium Scholarship minimum core curriculum requirements. If the Core Enrollment Expectations do not align with a student's individualized learning plan, then a modified course of study must be agreed upon by the student's parent/guardian and a school administrator or school counselor.

Core Enrollment Expectations	Units
English	4
Mathematics (including Algebra II or higher)	4
Natural Science	3
Social Studies and History	3
<b>Total</b>	<b>14</b>

Students that successfully complete the Core Enrollment Expectations outlined above, with a weighted grade point average (GPA) of at least 3.25 may qualify for the State of Nevada Millennium Scholarship. Please see your school counselor for more information about the Millennium Scholarship.

## ***REQUIRED HIGH SCHOOL CLASS LOAD***

The State of Nevada requires all high school students to be enrolled as follows:

- Ninth, tenth, and eleventh grade students must be enrolled in at least the equivalent of six periods per day.
- Twelfth grade students that are not college and career ready\* must be enrolled in at least the equivalent of six periods per day.
- Twelfth grade students that are college and career ready\* must be enrolled in at least the equivalent of four periods per day.

Coursework taken outside of the normal school day may be counted towards the required high school class load requirements, subject to school administrator approval.

*\* The Nevada Department of Education establishes the standards for students that are considered college and career ready. Please see your school counselor for details, or review the Nevada Department of Education [guidance memo](#).*

SOURCES: NAC 387.345, AB 7

## ***EARLY GRADUATION***

Students that complete all graduation requirements for their cohort year may graduate early with approval from the school of full-time enrollment. Please contact your school counselor with specific questions.

## ***SCHEDULE CHANGES***

To ensure students receive enough instruction to earn a credit, schedule changes are not permitted after the first 18 school days of each semester for face-to-face courses. After the first 18 school days, schedules may only be changed with administrative approval. Exceptions to the above may only be made through administrative channels for unique and unusual circumstances. Distance learning and online coursework (e.g. Apex) allow students to earn credit through digital instruction and are excluded from these schedule change guidelines.

### **Last Day for Credit in Face-to-Face Instruction for 19-20 School Year**

Semester 1: September 5, 2019

Semester 2: January 30, 2020

## ***GRADE POINT AVERAGE (GPA)***

The student's Unweighted GPA is calculated on a traditional 4-point scale (A=4, B=3, C=2, D=1, F=0).

Bonus Points for successful completion of Honors, Advanced Placement (AP), and International Baccalaureate (IB) courses will be added as follows, according to NAC 389.6625. This represents the student's Weighted GPA.

- Honors 0.025
- Advanced Placement (AP)\* 0.050
- International Baccalaureate (IB)\* 0.050

*\*Mastery of AP and IB course content shall be determined by participation in the AP or IB examinations sponsored by the College Board and International Baccalaureate. Students are required to take the examinations for each course. Parents or guardians may waive this testing requirement by informing the school administration in writing.*

For the Cohorts of 2019 and 2020, a maximum of fourteen (14) courses or twenty-eight (28) semesters of Honors, Advanced Placement (AP), and/or International Baccalaureate (IB) courses will receive Bonus Points. This creates a Weighted GPA cap of 4.800 as the highest possible GPA.

For the Cohorts of 2021 and beyond, there is no limit to the number of Honors, AP, or IB courses that will receive Bonus Points. This removes the Weighted GPA cap.

SOURCE: CCSD Regulation 512

## ***VALEDICTORIAN AND SALUTATORIAN***

Valedictorians, students with the highest Weighted GPA in the graduating cohort, and Salutatorians, students with the second highest Weighted GPA in the graduating cohort, will be identified as candidates at the end of the fall semester for each cohort year.

Final Valedictorians and Salutatorians will be determined upon completion of all high school graduation requirements by the last day of school.

SOURCE: CCSD Regulation 5127

## ***MATRICULATION***

Grade classification for high school students is determined by years in school, not on credit earned. Students will be classified to the next grade level at the end of each school year. However, progress should be continuous and student advancement through the curriculum should be according to the student's demonstrated ability rather than the student's age or years in school.

SOURCE: CCSD Regulation 5123

## **ACADEMIC PLANNING**

### ***COLLEGE AND CAREER READINESS***

Students benefit from comprehensive school counseling programs that include college and career readiness standards. In addition to classroom lessons and family night events, students also meet individually with a school counselor to complete academic plans. An academic plan is a four-year course plan that is built on a student's individual strengths, weaknesses, and interests.

### ***CAREER AND TECHNICAL EDUCATION***

Career and Technical Education in Nevada is organized into six (6) program areas and course sequences. Each high school in CCSD may offer different programs and course sequences. Please review the section Courses and Descriptions for details on CTE courses. Additional information can be found online at: <http://www.doe.nv.gov/CTE/>

Nevada CTE Program Areas:

1. Agricultural and Natural Resources
2. Business and Marketing Education
3. Education, Hospitality, and Human Services
4. Health Science and Public Safety
5. Information and Media Technologies
6. Skilled and Technical Sciences

### ***GRADUATION PROGRAMS AND PROGRESS***

A graduation program is assigned to students to assist with tracking progress toward postsecondary readiness. Parents and students can review graduation programs and progress online using the Infinite Campus Portal.

### ***FOUR-YEAR COURSE PLANS***

Each ninth-grade student must have an approved four-year academic plan. The academic plan must set forth the specific educational goals that the student intends to achieve before graduation from high school. The plan may include, without limitation, the designation of a career pathway and enrollment in dual credit, career and technical education, Advanced Placement (AP), International Baccalaureate (IB), and Honors courses.

The ninth-grade student and his/her parent or legal guardian are required to work in consultation with a school counselor to develop an academic plan, sign the academic plan, review the academic plan at least once each school year in consultation with a school counselor, and revise the plan if necessary.

For students enrolling in high school after ninth grade, an academic plan will be created with appropriate grade level modifications.

The academic plan must be used as a guide for the student and the parent or legal guardian to plan, monitor, and manage the student's educational development and make determinations of the appropriate course of study. If a student does not satisfy all of the goals set forth in the academic plan, he/she is eligible to graduate and receive a high school diploma if requirements for a diploma are otherwise satisfied. SOURCES: CCSD Regulation 5127, AB 117

## **TESTING**

### **Required: College and Career Readiness Assessment**

All juniors will take the ACT with Writing exam in the spring. The college and career readiness assessment (ACT with Writing) is a requirement for graduation. Juniors will take the ACT in spring of the junior year at no cost. It is recommended that all students take ACT in the spring of the junior year, as most four-year colleges/universities require test scores for admission. In addition, some colleges/universities and NCAA Division I Initial Eligibility (for student-athletes) require a minimum score on the ACT to determine placement in freshman English and math courses. Finally, some universities determine scholarship eligibility based on ACT and/or SAT results.

Students attending college/university in Nevada can earn the Millennium Scholarship for completing the core curriculum and earning at least a 21 composite score on the ACT. For more information, please see the *Nevada Scholarships* section of this guide.

It may be necessary to retake the ACT and/or SAT to increase scores. This may enable a student to avoid placement in a remedial math and/or English college course. Remedial courses at Nevada System of Higher Education institutions provide no college credit and are not paid for by the Millennium Scholarship program.

SOURCE: CCSD Regulation 5127, NRS 390.610

### **Optional: ACT National Career Readiness Certificate (NCRC)**

The ACT NCRC is a portable, evidence-based credential that certifies the essential skills for workplace success. Employers look for it from job candidates because it is a valid predictor of job performance. Students that earn a Silver or above for the ACT NCRC credential will also meet one of the qualifications for the College and Career Ready Diploma. Please contact your school counselor with additional questions.

### **Optional: Armed Services Vocational Aptitude Battery (ASVAB)**

The United States Department of Defense developed this test to administer to students all over the country. The test is typically scheduled during the school day and is normally at no cost to the student. Score reports received after taking the test can be useful in determining college and career pathways. This test is typically taken in grades 10-12. Students that earn a 50 or above on the ASVAB will also meet one of the qualifications for the College and Career Ready Diploma. Please contact your school counselor with additional questions.

### **Optional: SAT**

The SAT is used by most colleges and universities to make admissions decisions. It is a multiple-choice test administered by the College Board. The purpose of the SAT is to measure college readiness by providing colleges with common scores to compare all students. Free online test preparation is available through Khan Academy ([www.khanacademy.org](http://www.khanacademy.org)). This test is typically taken during the spring of grade 11 and fall of grade 12. There is a cost associated with this exam, but fee waivers may be available to those that qualify. Students that earn a 480 in Reading and a 530 in Math will also meet one of the qualifications for the College and Career Ready Diploma. Please contact your school counselor with additional questions.

Students attending college/university in Nevada can earn the Millennium Scholarship for completing the core curriculum and earning a combined reading, writing, and math score of 1070 or higher. For more information, please see the *Nevada Scholarships* section of this guide.

### **Optional: PSAT/NMSQT**

The Preliminary SAT/National Merit Scholarship Qualifying Test is a great way to prepare for the SAT. Scores are used to identify National Merit Scholars and award merit scholarships. Score reports received after taking the test can be useful in determining which Advanced Placement (AP) coursework may be appropriate during high school. Free online test preparation is available through Khan Academy ([www.khanacademy.org](http://www.khanacademy.org)). This test is typically taken in grades 10 and 11. There is a cost associated with this exam. Please contact your school counselor with additional questions.

## ***EARNING CREDIT***

Nevada law states that students may earn a unit of credit for successful completion of a course containing at least 120 hours of instruction or the equivalent. This means that a student must complete 60 hours of instruction, or the equivalent, to earn 0.5 credits at the end of each semester. The Clark County School District (CCSD) has a variety of ways for students to earn credit. Internal credits are taken at a CCSD school, and external credits are taken outside of the school district. External credits are limited to 6.0 total credits in high school, and must be pre-approved by the school of full-time enrollment. When a student attends a CCSD school full-time and earns credit at another school at the same time, this is known as concurrent credit. Beginning with the 2018-2019 school year, Dual Credit coursework is no longer considered external credit.

SOURCE: NAC 389.040

## **Internal Credit**

### **Credit by Exam (CBE)**

Students can earn credit for courses in which they demonstrate mastery of course material. CBE is not a credit retrieval option. To be eligible to take a CBE, the student must not have previously been enrolled in the course and received a progress grade. Nevada Learning Academy (NVLA) offers a variety of options for CBE. For more details, please visit [www.nvlearningacademy.net](http://www.nvlearningacademy.net).

### **CBE Policies**

- Tests can only be taken for original credit
- Tests can only be taken one time per course
- CBE credits are considered internal credit
- All exams are computer-based and will be taken online
- English courses require reading for the exam
- CBEs are not considered Honors credit
- Students must earn a 70% on the CBE to earn credit
- Credits are posted as a P for passing
- Failed tests are not posted to the student's transcript

### **Courses Available for CBE**

- Mathematics: Pre-Algebra, Algebra I, Algebra II, Geometry
- Social Studies: US Government, US History, World History
- English/Language Arts: English 9, English 10, English 11, and English 12
- Introduction to Computers (0.5 credits)
- World Languages (CCSD): Spanish I, Spanish II: The Spanish I & Spanish II CBEs are CCSD-developed exams that include teacher-scored speaking and writing components in addition to an online exam that will be computer-graded.
- World Languages (ACTFL): Arabic, Chinese, French, German, Italian, Japanese, Korean, Russian, and more. Foreign Language exams (except Spanish I & II) are offered through the American Council on the Teaching of Foreign Languages (ACTFL).

### **Dual Credit**

A dual credit course is either taken at a local college/university or at a CCSD school where both high school and college credit are earned.

**Dual Credit:** Students take coursework outside of the normal school day from an accredited college/university. There is typically a cost. Students must complete a CCF-856, Dual Credit Application, before enrolling in any dual credit coursework.

**Cooperative Agreement Dual Credit (e.g. Jumpstart):** Students take a college-level course at the school of full-time enrollment that is taught by an approved instructor. There is typically a cost. The CCF-856, Dual Credit Application, is not needed for programs with a formal cooperative agreement with CCSD.

**CTE College Credit:** Students complete state-approved programs in CTE to earn postsecondary credit at no cost to the student. CTE College Credit is articulated credit, the high school coursework aligns to postsecondary courses, and the teacher of record is a high school CTE teacher. The CCF-856, Dual Credit Application, is not needed. Instead, students complete a separate application through the college of their choice (e.g. CSN).

To qualify for the CTE College Credit, students must:

- Earn a 3.0 GPA in the CTE course sequence,
- pass the state end-of-program technical content assessment, and
- pass the state Workplace Readiness assessment for employability skills.

Students that complete a CTE program of study according to the criteria are eligible to earn the CTE College Credit within three years of graduating from high school and upon admission to the postsecondary institution. The amount of credit is dependent upon the state standards for each high school CTE program and how the standards align to the college courses for a certificate or degree in a related career pathway.

### **Honors, Advanced Placement (AP), and International Baccalaureate (IB)**

The CCSD Honors, AP, and IB course offerings are designed to challenge students to enroll in more demanding and rigorous coursework and to improve advanced academic achievement of students demonstrating accelerated educational potential.

Mastery of AP and IB course content shall be determined by participation in the AP or IB examinations sponsored by the College Board and International Baccalaureate. Students are required to take the AP or IB examinations for each course.

Parents or guardians may waive the testing requirement related to AP and IB by informing the school administration in writing.

SOURCE: CCSD Regulation 5127

### **High School Credit Taken in Middle School**

Certain coursework taken in middle school (grades 6-8) may be counted as credit required to graduate from high school. Common courses include, but are not limited to:

- Computer Science and Applications
- Algebra I, Geometry Honors
- Foreign Language

## **External Credit**

External credits may be granted for coursework completed outside of the Clark County School District (CCSD) while a student is enrolled in CCSD during the school year and over the summer. A maximum of six (6) external credits can be applied toward graduation from high school. A maximum of three (3) external credits can be earned in the combined core areas of English, mathematics, science, and social studies.

External credits in the following categories must be pre-approved with supporting documentation by a student's school of full-time enrollment. The school determines which supporting documentation is required and accepted. Students may request the External Credit Application (CCF-850) from a school counselor.

### **Community Service**

0.5 elective credit will be granted for volunteering 60 hours (1.0 credit for 120 hours) of time at a school-approved community agency (1 credit max).

### **Online/Correspondence Course**

High school credit will be granted for high school coursework completed at accredited institutions.

### **Educational Travel Credit**

0.5 elective credit will be granted for a 21-day educational trip/tour (1.0 credit for 42 days). Students are required to submit a log with general descriptions of sites visited detailing items of interest, the student's reactions, and photographs of the student at the sites. A parent or guardian may sign logs for educational travel credit supporting documentation.

### **Enrichment Program**

Elective credit will be granted for successful completion of academically accelerated coursework at accredited institutions.



## **Physical Education II Waiver**

1.0 Physical Education credit (required for graduation) will be waived for 120 hours of activity completed under the direct supervision of a qualified instructor/coach who is a credentialed or licensed professional in that activity. The Physical Education II Waiver may only be issued if credit for Physical Education II has not been granted. To be approved, this activity must be geared toward competition. Students cannot earn a PE II Waiver if they failed the PE II course.

## **Music Equivalent Credit**

High school credit will be granted for private music lessons. A student is limited to 0.5 credit for each school year (1 credit max). The instructor must be certified, or demonstrate membership in one of the following organizations: The National Association for Music Education, The American Music Teachers Association, The Must Teachers National Association, The Suzuki Music Teachers Association, or a faculty member at a college, university, or school of the arts.

## **Concurrent Credit**

Concurrent credits are credits a student earns from another CCSD school while still attending the school of full-time enrollment. A student may not be enrolled in two or more instances of the same course concurrently. All concurrent course enrollments require prior approval from a school counselor. There is no limit on earning concurrent credits. See a school counselor for more information on the following concurrent programs:

### **Nevada Learning Academy**

For specific information, including fees, call (702) 855-8435 or visit <http://nvlearningacademy.net/>

### **Adult Education**

For specific information on this program, call (702) 799-8650, extension 317 or visit <http://ccsd.net/divisions/education-services-division/adult-education-horizon-sunset-high-schools>

### **Horizon/Sunset High Schools/Programs**

For specific information, call (702) 855-9775 or visit <http://ccsd.net/divisions/education-services-division/adult-education-horizon-sunset-high-schools>

### **Summer School**

Students may earn credit during the summer. Registration information is available in the counseling office in the spring. Additional information is available at <http://ccsd.net/schools/summer-school/>.

## **Duplicate Coursework – Repeating Courses**

A student may repeat a course but shall not receive additional credit for the repeated course. The higher grade shall be recorded on the permanent record and the lower grade replaced with a repeated course (RP) notation.

A student may repeat a failed course one time to improve a grade. Regardless of the number of times a course is repeated, a grade of an “F” will only be removed once. If applicable, all other “F’s” will remain on a transcript.



## **STUDENT-ATHLETES**

### **Physical Education II Waiver Credit**

A waiver for Physical Education II shall be granted if a student has not earned Physical Education II credit and actively participates in a school-sponsored activity for 120 hours in interscholastic athletics, on a drill team, in a marching band, in a dance group, or on a cheerleading squad. Students cannot earn a PE II Waiver if they failed the PE II course.

Baseball – Varsity, Junior Varsity	Golf – Varsity
Basketball – Varsity, Junior Varsity, B-Team	Marching Band/Flags/Mascots
Bowling – Varsity, B-Team	Soccer – Varsity, Junior Varsity, B-Team
Cheerleading – Varsity, Junior Varsity, B-Team	Softball – Varsity, Junior Varsity
Cross Country – Varsity	Swimming – Varsity
Dance Group	Tennis – Varsity
Drill Team	Track – Varsity
Flag Football – Varsity, Junior Varsity, B-Team	Volleyball – Varsity, Junior Varsity, B-Team
Football – Varsity, Junior Varsity, B-Team	Wrestling – Varsity, Junior Varsity

SOURCE: NAC 389.488

### **CCSD Athletic Eligibility Requirements**

#### **Initial Eligibility General Requirements**

- Must be enrolled in grades 9-12.
- Must reside in the school of full-time enrollment's attendance zone.
- Must be enrolled in a minimum of two units of credit consisting of at least four classes per semester and regularly attend school.
- Must have passed a minimum of two units of credit the immediate preceding semester with a minimum grade point average of 2.0. A student may earn a maximum of one unit of external credit (summer school, correspondence, etc.) to improve previous semester deficiency.
- Transfer students are automatically presumed ineligible. Rebuttal of presumption of ineligibility guidelines are contained in Nevada Interscholastic Activities Association (NIAA) regulations (NAC 386.785 – 386.799).
- Secondary Magnet School students that enroll for less than a three (3) year program or enroll in individual classes are ineligible for athletics at the Magnet School for 180 school days. Students that drop from the Magnet program will become automatically ineligible for athletics at the Magnet School for 180 school days. If a student chooses to return to his/her school of residence, he/she would be ineligible for the remainder of that school year and for 180 school days in any sport in which his/her name appeared on a NIAA roster during his/her attendance at the Magnet School.
- Secondary Open Enrollment, Select and Minority to Majority students that are selected to attend this type of school are eligible to participate in athletics. Students that change schools will become automatically ineligible for the remainder of the current school year and for 180 school days in any sport his/her name appeared on an NIAA roster during his/her attendance at the Open Enrollment, Select or Minority to Majority school.
- Career Technical Academy/Charter School/Home-Schooled students are eligible to participate in athletics in the school that is located in the attendance zone of the residence of the parent or legal guardian.

#### **Maintaining Eligibility**

- Must maintain passing grades in all subjects during the current athletic season.
- Must regularly attend school.
- Must be in school in order to participate in practice or games on any given day.
- Must maintain positive citizenship. Students on RPC or suspension are not eligible to participate. Serious and/or chronic behavior infractions may result in suspension of athletic participation for up to one year, at the discretion of the principal. Additional specific eligibility guidelines are contained in Nevada Interscholastic Activities Association (NIAA) regulations (NAC 386.776 – 386.855) and Clark County School District regulation 5135.

## NCAA Initial Eligibility Requirements

Students that plan to compete in NCAA sports at a Division I college/university need to register with the NCAA Eligibility Center to meet initial eligibility standards. Students and families may contact NCAA directly with questions about eligibility or the registration process: 1-877-262-1492.

To be eligible to compete in NCAA sports in the first year at a Division I school, students must graduate high school and meet all the following requirements:

1. Complete 16 core courses:
  - a. Four years of English
  - b. Three years of math (Algebra 1 or higher)
  - c. Two years of natural/physical science (including one year of lab science if the high school offers it)
  - d. One additional year of English, math or natural/physical science
  - e. Two years of social science
  - f. Four additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy
2. Complete 10 core courses, including seven in English, math or natural/physical science, before the seventh semester. Once the seventh semester begins, students may not repeat or replace any of those 10 courses to improve core-course GPA.
3. Earn at least a 2.300 GPA in core courses.
4. Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division I sliding scale, which balances test score and core-course GPA. Students that have a low test score will need a higher core-course GPA to be eligible. Students that have a low core-course GPA will need a higher test score to be eligible.

SOURCE: <http://www.ncaa.org/student-athletes/play-division-i-sports>

## POSTSECONDARY OPTIONS

### *NEVADA UNIVERSITY ADMISSIONS*

The Nevada Board of Regents sets the requirements for admission to Nevada System of Higher Education (NSHE) institutions.

- 3.0 GPA (weighted or unweighted) in 13 High School Courses:
  - 4 credits in English
  - 3 credits in math
  - 3 credits in social studies
  - 3 credits in natural science
- SAT or ACT Test Scores:
  - The new SAT Critical Reading and Math combined score of 1120
  - The ACT Composite score of 22
- Nevada Advanced Diploma

### *FOUR-YEAR COLLEGE OR UNIVERSITY*

- A public or private educational institution where you can earn a bachelor's degree
- Schools vary in size, admissions criteria, academic standards, course offerings, student population, location, and cost
- In most colleges or university programs, you are expected to sample a variety of courses during the first two years and then focus on your major in the last two years
- Requirements for graduation differ, although most colleges require a certain number of credits in English and foreign languages

### *PUBLIC COMMUNITY COLLEGE*

- Ability to live at home while adjusting to college classes
- Simpler admissions requirements (High School Diploma or GED, Registration, Placement Test)
- Opportunity to sample college classes
- A chance to build a better academic record
- Lower tuition and other costs than at a typical four-year college

### ***PRIVATE JUNIOR COLLEGE***

- An opportunity to live away from home in a supportive environment
- Small classes with opportunities to improve academic skills
- Easier entrance requirements than a typical four-year college or university

### ***CONTINUING EDUCATION CLASSES***

- Provides a way to explore subject areas
- Opportunity to build academic study skills without worrying about grades
- Allows students to experience and explore college as an option

### ***LIFE SKILLS TRAINING PROGRAMS***

- Learn necessary daily living skills
- Practice independent living
- Be part of a college or university

### ***APPRENTICESHIPS***

- Begin working immediately
- Receive training on the job and take classes
- Earn money and benefits when you work
- Learn skills that will make you employable anywhere

### ***CAREER, VOCATIONAL, OR TECHNICAL EDUCATION***

- Minimal admissions requirement (high school graduation may or may not be required)
- All classes relate to skills needed for jobs in a particular occupational area
- Learn marketable skills

### ***JOB CORPS***

- Vocational, academic and social skills training
- Room, board, and stipend
- Job/college support after leaving Job Corps

### ***CITY YEAR AND AMERICORPS***

- Monthly stipend
- Educational Award for a complete year of service
- Opportunity to gain job skills and work experience
- <http://www.cityyear.org/>
- <http://www.americorps.gov/>

### ***MILITARY***

- Learn valuable job skills
- Earn money for future education
- Army: <http://www.goarmy.com>,
- Navy: <http://www.navy.com>,
- Air Force: <http://www.airforce.com>,
- Coast Guard: <http://www.gocoastguard.com>,
- Marines: <http://www.marines.com/>,
- National Guard: <http://www.nationalguard.com/>

SOURCE: <https://www.heath.gwu.edu/awareness-postsecondary-options>

# NEVADA SCHOLARSHIPS

## ***MILLENNIUM SCHOLARSHIP***

The State of Nevada's Governor Guinn Millennium Scholarship Program provides financial support to Nevada's high school graduates who attend an eligible Nevada community college, state college, or university. You may receive up to a maximum award of \$10,000 for undergraduate coursework during the six years following your high school graduation. There is no application form to complete. If you meet all Millennium Scholarship requirements upon high school graduation, the District will submit your name to the Office of the State Treasurer. You will receive an award notification in early August. A fact sheet on policy guidelines and requirements for eligibility can be obtained by calling 888-477-2667 or [http://www.nevadatreasurer.gov/GGMS/GGMS\\_Home/](http://www.nevadatreasurer.gov/GGMS/GGMS_Home/). Please note that this information is subject to any changes in state law, policies adopted by the NSHE Board of Regents, availability of funding, and any related matters hereto.

## ***PUBLIC EDUCATION FOUNDATION***

The Public Education Foundation administers a variety of scholarships to help students pursue higher educational goals. In many cases, the scholarships make the college and university experience accessible to students who might not otherwise dream of a college education. The Public Education Foundation offers more than 260 different scholarship opportunities for Southern Nevada's high school seniors to attend both in-state and out-of-state schools.

Scholarship donors are corporations, associations, organizations, foundations and individuals who want to create a brighter future by encouraging education. Each donor has the opportunity to determine the criteria of their scholarship and plays an active role in selecting the scholarship recipients. The Foundation provides professional assistance in establishing the scholarship funds at no cost, including advertising and promotion, clerical support, and an awards recognition luncheon in May. The luncheon gives the donors and scholarship recipients the opportunity to meet if they haven't already done so during the selection process.

To date, the Foundation has awarded more than 6,100 scholarships totaling nearly \$12 million. For more details, please visit <https://thepef.org/scholarships/>.

## ***NEVADA PROMISE SCHOLARSHIP***

The Nevada Promise Scholarship aims to make a college education more accessible and affordable by providing last-dollar financial aid to Nevada students attending one of the state's four community colleges: College of Southern Nevada, Great Basin College, Truckee Meadows Community College, or Western Nevada College. The scholarship helps eligible students pay for up to three years of tuition and mandatory fees. Please contact your school counselor with additional questions, or visit [www.csn.edu/promise](http://www.csn.edu/promise).

# NEVADA DEPARTMENT OF EDUCATION CODE OF HONOR

There is a clear expectation that all students will perform academic tasks with honor and integrity, with the support of parents, staff, faculty, administration, and the community. The learning process requires students to think, process, organize, and create their own ideas. Throughout this process, students gain knowledge, self-respect, and ownership in the work that they do. These qualities provide a solid foundation for life skills, impacting people positively throughout their lives. Cheating and plagiarism violate the fundamental learning process and compromise personal integrity and one's honor. Students demonstrate academic honesty and integrity by not cheating, plagiarizing, or using information unethically in any way.

What is cheating?

Cheating or academic dishonesty can take many forms, but always involves the improper taking of information from and/or giving of information to another student, individual, or other source. Examples of cheating can include, but are not limited to:

- Taking or copying answers on an examination or any other assignment from another student or other source
- Giving answers on an examination or any other assignment to another student
- Copying assignments that are turned in as original work
- Collaborating on exams, assignments, papers, and/or projects without specific teacher permission
- Allowing others to do the research or writing for an assigned paper
- Using unauthorized electronic devices
- Falsifying data or lab results, including changing grades electronically

What is plagiarism?

Plagiarism is a common form of cheating or academic dishonesty in the school setting. It is representing another person's works or ideas as your own without giving credit to the proper source and submitting it for any purpose. Examples of plagiarism can include, but are not limited to:

- Submitting someone else's work, such as published sources in part or whole, as your own without giving credit to the source
- Turning in purchased papers or papers from the Internet written by someone else
- Representing another person's artistic or scholarly works such as musical compositions, computer programs, photographs, drawings, or paintings as your own
- Helping others plagiarize by giving them your work

All stakeholders have a responsibility in maintaining academic honesty. Educators must provide the tools and teach the concepts that afford students the knowledge to understand the characteristics of cheating and plagiarism. Parents must support their students in making good decisions relative to completing coursework assignments and taking exams. Students must produce work that is theirs alone, recognizing the importance of thinking for themselves and learning independently, when that is the nature of the assignment. Adhering to the Code of Honor for the purposes of academic honesty promotes an essential skill that goes beyond the school environment. Honesty and integrity are useful and valuable traits impacting one's life.

Questions or concerns regarding the consequences associated with a violation of the Code of Honor may be directed towards your child's school administration and/or the school district.

## **NON-DISCRIMINATION AND ACCESSIBILITY NOTICE**

CCSD does not discriminate against any person on the basis of race, creed/religion, color, national or ethnic origin, sex, gender identity or expression, sexual orientation, disability, marital status or age, in admission or access to, treatment or employment, or participation in its programs and activities, and provides equal access to the Boy Scouts of America and other designated youth groups, pursuant to federal and state laws including, but not limited to, Title VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Individuals with Disabilities Education Improvement Act (IDEA), and the Boy Scouts of America Equal Access Act.

# PALO VERDE HIGH SCHOOL

## COURSE OFFERINGS & DESCRIPTIONS

2019-2020

## **PVHS International Baccalaureate Diploma Programme Course Descriptions**

(Excerpted and adapted from International Baccalaureate Online Curriculum Centre Subject Guides)

**Current 10<sup>th</sup> grade students interested in the IB Diploma Programme for the 2019-2020 school year can obtain an application in the counseling office. Questions can be directed to Michele Brown, IB Counselor.**

### **IB THEORY OF KNOWLEDGE AND IB STUDY LAB**

#### **Prerequisite: Junior and/or Senior Standing**

TOK is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. The course is a core element which all Diploma Programme students undertake. The TOK course examines how we know what we claim to know. It does this by encouraging students to analyze knowledge claims and explore knowledge questions. A distinction between shared knowledge and personal knowledge is made in the course. As part of the required two-year placement into TOK, students will be co-enrolled in an IB Study Lab which will be used to complete additional Diploma Programme Standard-Level or Higher-Level course hour requirements, and conduct supervised independent research and study. **Students must take the International Baccalaureate exam at the end of this course.**

### **IB LITERATURE I AND II (HL Course)**

#### **Prerequisite: Junior and/or Senior Standing**

This is a two-year mandatory Higher-Level (HL) sequence for International Baccalaureate Diploma students. World Literature I is taught in the junior year, and World Literature II is taught in the senior year. The sequence meets the Clark County School District and State of Nevada requirements for junior and senior year English Language Arts. The course is built on the assumption that literature is concerned with our conceptions, interpretations and experiences of the world. Through the study of a wide range of literature, the World Literature sequence encourages students to appreciate the artistry of literature and to develop an ability to reflect critically on their reading. Works are studied in their literary and cultural contexts, through close study of individual texts and passages, and by considering a range of critical approaches. World Literature does not limit the study of works to the products of one culture or the cultures covered by any one language. The study of works in translation is especially important in introducing students, through literature, to other cultural perspectives. The response to the study of literature is through oral and written communication, thus enabling students to develop and refine their command of language. **Students must take the International Baccalaureate exam at the end of this course.**

### **IB FOREIGN LANGUAGE: SPANISH III / IV, FRENCH III / IV, OR JAPANESE III / IV**

#### **Prerequisite: Junior and/or Senior Standing**

#### **Fee: \$20 (French only)**

This is a two-year Higher-Level (HL) or Standard-Level (SL) sequence for International Baccalaureate Diploma students. The IB foreign language sequence is an additional language-learning course designed for students with some previous learning of that language. Spanish or French III is taught in the junior year, Spanish or French IV is taught in the senior year. Either sequence meets the Clark County School District and State of Nevada elective requirements for foreign languages. The focus of the course is on language acquisition and development of language skills. These language skills are developed through the study and use of a range of written and spoken material. Such material(s) extend from everyday oral exchanges to literary texts, and are related to the culture(s) concerned. The materials are chosen to enable students to develop mastery of language skills and intercultural understanding. **Students must take the International Baccalaureate exam at the end of this course.**

NOTE: Students without the prerequisites for placement in either IB Language will have the option of taking the introductory courses as part of their IB Programme as ab initio students. This option may be arranged with the approval of the IB Counselor and Coordinator.

### **IB US HISTORY AND IB GOVERNMENT (HL Course)**

#### **Prerequisite: Junior and/or Senior Standing**

This is a two-year mandatory Higher-Level (HL) sequence for International Baccalaureate Diploma students. IB US History is taught in the junior year, and IB US Government is taught in the senior year. The sequence meets the Clark County School District and State of Nevada requirements for US History and US Government. The course sequence is an in-depth study of an individual prescribed historical subject and the selection of two topics from the US History. Student inquiry encompasses the main developments in 20th century world history including a comprehensive understanding of the American History, with focused attention on key components of US History and the Constitutional history, institutional framework, development, and policies of the government of the United States. Thus, the IB US History and IB Government sequence provides both structure and flexibility, fostering an understanding of major historical events in a global context. It requires students to make comparisons between similar and dissimilar solutions to common human situations, whether they are political, economic or social. It invites comparisons between, but not judgments of, different cultures, political systems and national traditions. **Students must take the International Baccalaureate exam at the end of this course.**

### **IB GLOBAL POLITICS I AND II (HL Course)**

#### **Prerequisite: Junior and/or Senior Standing**

This is a two-year Higher-Level (HL) or Standard-Level (SL) sequence for International Baccalaureate Diploma students. IB Global Politics I is taught during the junior year, and IB Global Politics II is taught in the senior year. The sequence meets the Clark County School District and State of Nevada elective requirements for social studies. Global Politics explores important political concepts such as power, equality, sustainability and peace in a range of contexts, centered on a unifying theme of “people, power, and politics.” It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies. **Students must take the International Baccalaureate exam at the end of this course.**

### **IB BIOLOGY**

#### **Prerequisite: Junior and/or Senior Standing**

This is a one-year Standard-Level (SL) sequence for International Baccalaureate Diploma students. IB Biology is taught in the junior year. The course meets the Clark County School District and State of Nevada requirements for science. Biologists attempt to understand the living world at all levels using many different approaches and techniques. At one end of the scale is the cell, its molecular construction and complex metabolic reactions. At the other end of the scale, biologists investigate the interactions that make whole ecosystems function. Many areas of research in biology are extremely challenging and many discoveries remain to be made. There are a variety of approaches to the teaching of biology. By its very nature, biology lends itself to an experimental approach, and it is expected that this will be reflected throughout the course. Integral to the experience of students is their experience in the classroom, laboratory or in the field. Practical activities will allow students to interact directly with natural phenomena and secondary data sources. These experiences provide the students with the opportunity to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. Experiments can be used to introduce a topic, investigate a phenomenon or allow students to consider and examine questions and curiosities. **Students must take the International Baccalaureate exam at the end of this course.**



## **IB PHYSICS**

### **Prerequisite: Junior and/or Senior Standing**

This is a one-year Standard-Level (SL) sequence for International Baccalaureate Diploma students. IB Physics may be taught in the junior or senior year. The course meets the Clark County School District and State of Nevada requirements for science. Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself from the very smallest particles—currently accepted as quarks, which may be truly fundamental—to the vast distances between galaxies. Students will investigate topics from among: measurements and uncertainties, mechanics, thermal physics, wave theory, electricity and magnetism, circular motion and gravitation, atomic, nuclear and particle physics, and energy production. Additional optional study areas may include relativity, engineering physics, imaging, and/or astrophysics. Experiential activities provide the students with the opportunity to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. Experiments can be used to introduce a topic, investigate a phenomenon or allow students to consider and examine questions and curiosities. **Students must take the International Baccalaureate exam at the end of this course.**

## **IB MATHEMATICS: APPLICATIONS AND INTERPRETATION (SL Course)**

### **Prerequisite: Algebra II. Junior and/or Senior Standing.**

This is a two-year Standard-Level (SL) sequence for International Baccalaureate Diploma students. This standard level course is for students who are interested in developing their mathematics skills for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models. Students who take Mathematics: Applications and interpretation will be those who enjoy mathematics best when seen in a practical context. This subject is aimed at students who will go on to study subjects such as social sciences, natural sciences, statistics, business, some economics, psychology, and design, for example. **Students must take the International Baccalaureate exam at the end of this course.**

## **IB MATHEMATICS: ANALYSIS AND APPROACHES (HL Course)**

### **Prerequisites: Pre-calculus and AP Calculus BC (junior year) / Senior Standing**

This is a two-year Higher-Level (HL) sequence for International Baccalaureate Diploma students. This course is appropriate for students who enjoy developing their mathematics skills to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without the use of technology. Students who take Mathematics: Analysis and approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or economics for example. **Students must take the International Baccalaureate exam at the end of this course.**

## **IB VISUAL ARTS I and II (HL Course)**

### **Prerequisite: Junior and/or Senior Standing**

**Fee: \$40**

This is a two-year Higher-Level (HL) or Standard-Level (SL) sequence for International Baccalaureate Diploma students. IB Visual Arts I is taught in the junior year, and IB Visual Arts II is taught in the senior year. The course meets the Clark County School District and State of Nevada requirements for electives. The Visual Arts sequence encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with, and critically reflect upon a wide range of

contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. **Students must take the International Baccalaureate exam at the end of this course.**

*\*\*HL (Higher-Level) Course is a class that is two years in length.*

*\*\*Courses not listed as "HL" are Standard-Level courses.*

**Course completion disclaimer:** Any student who does not complete the two-year Diploma Programme and take the corresponding International Baccalaureate exams will be given credit for Honors level coursework on their transcript and the equivalent .025 Honors GPA bonus.



## Air Force – JROTC

AFJROTC is a *citizenship program* for high school students. It encourages student (cadet) involvement in the local community to produce well-informed and helpful citizens. The program focuses on academics, leadership, wellness, and drill. The academic portion is divided into the following topics: 1) History of Aerospace, 2) Science of Aero space, 3) global and cultural studies, and 4) Policy and Organization. The leadership portion places the cadets in situations to test their abilities to follow and lead. In the drill portion, the cadets will learn to march and follow military customs and courtesies. To enhance the classroom learning, cadets participate in extracurricular and social activities such as field trips, drill teams, color guards, model rocketry, and military banquets. Students incur NO military service commitment. AFJROTC Aerospace Science I, II, III, and IV courses can earn two credits each from the University of Colorado at Colorado Springs. For more information, please visit our website at: [www.paloverdeafjrotc.org](http://www.paloverdeafjrotc.org). **All Cadets are required to wear the AFJROTC uniform and maintain military grooming standards which include haircuts and no facial hair.**

### **AFJROTC Aerospace Science I**

This is an introductory course that details the role of airpower and the military in the history of the United States and its National Policy. It also explores the composition of the U.S. aerospace community. Students are expected to master the fundamentals, customs, and courtesies of the armed forces, drill and ceremonies, lessons in organization and management, communication skills, and problem solving skills. Practical activities revolve around physical fitness training and incorporating our Core Values of Respect, Responsibility, Integrity, Courage, Patriotism, Competence, Tenacity, and Service into the student's life. This course fulfills the PE I or PE II requirement for graduation.

### **AFJROTC Aerospace Science II**

#### **Prerequisite: AFJROTC I**

This course studies the aerospace environment, the human requirements of flight, the principles of flight, and air navigation. In addition, students are expected to master the fundamentals, customs, and courtesies of the armed forces; drill and ceremonies; lessons in organization and management; communication skills, and problem solving skills. Practical activities revolve around physical fitness training and incorporating our Core Values of Respect, Responsibility, Integrity, Courage, Patriotism, Competence, Tenacity, and Service into the student's life. This course fulfills the PE I or PE II requirement for graduation.

### **AFJROTC Aerospace Science III**

#### **Prerequisite: AFJROTC II**

This is a course of study exploring the Global and Cultural Studies of seven of the world's regions, including the Middle East, South Asia and Latin America. Cadets will become familiar with the "whys" of the events in these parts of the world. In addition, students are expected to master the fundamentals, customs, and courtesies of the armed forces; drill and ceremonies; lessons in organization and management; communication skills, and problem solving skills. Practical activities revolve around physical fitness training and incorporating our Core Values of Respect, Responsibility, Integrity, Courage, Patriotism, Competence, Tenacity, and Service into the student's life. This course fulfills one of the elective requirements for graduation.

## **AFJROTC Aerospace Science IV**

### **Prerequisite: AFJROTC III**

AS-IV cadets serve as mid-level leaders (senior NCO to company grade officer level) at the squadron level. They will continue to develop their followership and leadership skills. Course of study will include the application of these skills plus one of the following: history of flight; science of flight; or cultural studies. In addition, students are expected to master the fundamentals, customs, and courtesies of the armed forces; drill and ceremonies; lessons in organization and management; communication skills, and problem solving skills. Practical activities revolve around physical fitness training and incorporating our Core Values of Respect, Responsibility, Integrity, Courage, Patriotism, Competence, Tenacity, and Service into the student's life. This course fulfills one of the elective requirements for graduation.

## **AFJROTC Aerospace Science IV Honors**

### **Prerequisite: AFJROTC III**

AS-IV Honors cadets are the Wing senior staff (field grade officer level) for the Cadet Corps. They will manage all aspects of the JROTC Program to include: command, operations, information management, personnel administration, awards and decorations, finance, public affairs, discipline, and resource management. Emphasis is placed on the cadets experiencing the duties and responsibilities of being leaders. Advanced study will cover leadership, communication, survival skills, and the obligations and opportunities of the military services. It includes a survey of international relations, the elements of national power, and the nature and development of military doctrine. In addition, students are expected to master the fundamentals, customs, and courtesies of the armed forces; drill and ceremonies; lessons in organization and management; communication skills, and problem solving skills. Practical activities revolve around physical fitness training and incorporating our Core Values of Respect, Responsibility, Integrity, Courage, Patriotism, Competence, Tenacity, and Service into the student's life. This course fulfills one of the elective requirements for graduation. Cadets are selected by the AFJROTC instructor staff to be AS-IV Honors cadets.

## **AFJROTC Drill & Leadership**

**Prerequisite: Concurrent enrollment in Aerospace Science I, II, III, IV or IV Honors and selected by the instructor. Must maintain passing grades and satisfactory citizenship in all courses.**

Drill and leadership is a class for existing AFJROTC cadets. Drill and leadership cadets will become members of the AFJROTC Special Teams. These teams include: the Color Guard, the Armed Drill Team, and the Unarmed Drill Team. These teams give the Cadets intense exposure to military customs, courtesies, and discipline, as well as, advanced leadership experiences. This course fulfills one of the elective requirements for graduation. Cadets are selected by instructors to be members of the special teams.



# Art Department

Like French or Spanish, art is a language that can be learned and understood. Like science, art is based on a natural order and relationship of elements. Like mathematics, art possesses certain principles that are logical, time-proven, and constant guidelines to pictorial organization. Like social studies, art promotes an awareness and understanding of people and cultures. Courses listed below fulfill the arts/humanities credit required for graduation.

## **ART I**

**Fee: \$40\***

Have you ever wondered about your hidden talents? Art I is a survey course which allows you to discover them through creating works of art in various media such as painting, ink drawing, cont'e, charcoal, pastels, and others. Discover the world of design, develop the skill of drawing, and explore abstraction and its mysteries.

## **DRAWING**

**Prerequisite: Art I completion with a C or better.**

**Fee: \$40\***

Explore and develop the most fundamental and basic of the art skills--drawing. Learn to see and express the world through your eyes and put it into the language of the picture. Learn proportion, perspective, and composition. Draw still life, portrait, and landscape in a variety of media: pen and ink, charcoal, pastel, pencil, and cont'e.

## **PAINTING**

**Prerequisite: Art I completion with C or better.**

**Fee: \$40\***

Develop and explore skills in two dimensional art's highest form. Learn the basic methods and techniques of the great masters such as Da Vinci, Rubens, and Rembrandt. Work in various painting media, such as acrylics, water colors tempera, and oils. Students must provide their own brushes and palette.

## **CERAMICS I**

**Fee: \$40\***

Mold and shape your own world in clay. Explore a variety of ways to create with clay as a medium. Learn hand building to beginning potter's wheel techniques. Learn to fire and glaze. Touch and experience one of mankind's oldest art forms. Safety factors, historical appreciation, tools and vocabulary development are all parts of this course. This course will fulfill either one elective credit or one Arts/Humanities credit required for high school graduation.

## **CERAMICS II**

**Prerequisite: Ceramics I**

**Fee: \$40\***

Advanced ceramics students will have an opportunity to explore contemporary skills being used in ceramics, and to develop skills in all areas of ceramics. Vocabulary development, exploration of advanced surface decoration, the use of a variety of firing methods and communication of artistic ideas will be emphasized. Students will analyze and discuss their work and the work of others and will be required to exhibit their work. Instructional practices will incorporate integration of diversity awareness including appreciation for all cultures and their important contribution to our society. The appropriate use of technology is an integral part of this course. This course will fulfill either one elective credit or one Arts/Humanities credit required for high school graduation.

## **CERAMICS III**

**Prerequisites: Ceramics II**

**Fee: \$40\***

This one-year advanced course is designed to follow Ceramics I and II and will build upon knowledge of three dimensional designs specific to ceramic arts. In this advanced class, a student will further develop hand-building or wheel throwing skills or a combination of both. Vocabulary development, exploration of advanced surface decoration, the use of a variety of firing methods and communication of artistic ideas will be emphasized. Students will analyze and discuss their work and the work of others and will be required to exhibit their work. Instructional practices will incorporate integration of diversity awareness including appreciation for all cultures and their important contribution to our society. The appropriate use of technology is an integral part of this course. This course will fulfill either one elective credit or one Arts/Humanities credit required for High School graduation.

## **AP STUDIO ART (2-D)**

**Prerequisites: Art I, Painting, Drawing and/or teacher recommendation**

**\$40 Class fee to be applied towards exam**

This one-year course is designed with an emphasis on meeting the requirements of the College Board Advanced Placement Studio Art: 2-D Design examination and portfolio submission. This college-level curriculum facilitates students in the creation of a college-level portfolio of two-dimensional art with design focus. Through any 2-D process or medium, students create works that demonstrate a range of understanding and fundamental mastery of 2-D visual concerns and methods. Instructional practices incorporate integration of diversity awareness including appreciation for all cultures and their important contribution to society. The appropriate use of technology is an integral part of this course. This course fulfills either one elective credit or one Arts/Humanities credit required for high school graduation and may be repeated.

## **AP STUDIO ART (3-D / Ceramics)**

**Prerequisite: Ceramics III and/or teacher recommendation**

**\$40 Class fee to be applied towards exam**

This one-year course is designed with an emphasis on meeting the requirements of the College Board Advanced Placement Studio Art: 3-D Design examination and portfolio submission. This college-level curriculum facilitates the creation of a college-level portfolio demonstrating mastery of three-dimensional design. Through additive, subtractive, and/or fabricated processes, students create works that demonstrate a range of understanding and fundamental mastery of 3-D visual concerns and methods. Instructional practices incorporate integration of diversity awareness including appreciation for all cultures and their important contribution to society. The appropriate use of technology is an integral part of this course. This course fulfills either one elective credit or one Arts/Humanities credit required for high school graduation and may be repeated.

## **AP STUDIO ART (DRAWING)**

**Prerequisites: Art I, Painting, Drawing and/or teacher recommendation**

**\$40 Class fee to be applied towards exam**

This one-year course is designed with an emphasis on meeting the requirements of the College Board Advanced Placement Studio Art: Drawing examination and portfolio submission. This college-level curriculum facilitates the creation of a college-level portfolio of artwork demonstrating a mastery of drawing. Students engage a wide range of approaches and media to address various drawing issues through abstract, observational, and/or inventive works. Instructional practices incorporate integration of diversity awareness including appreciation for all cultures and their important contribution to society. The appropriate use of technology is an integral part of this course. This course fulfills either one elective credit or one Arts/Humanities credit required for high school graduation and may be repeated.

## **IB VISUAL ARTS I and II**

**Prerequisite: Junior standing (two-year sequence)**

**Fee: \$40**

This is a two-year Higher-Level (HL) sequence for International Baccalaureate Certificate students. IB Visual Arts I is taught in the junior year, and IB Visual Arts II is taught in the senior year. The course meets the Clark County School District and State of Nevada requirements for electives. The Visual Arts sequence encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with, and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. **Students are expected to take the International Baccalaureate exam at the end of this course. Students that do not take the exam will be given credit for an Honors level course on their transcript and the equivalent .025 Honors GPA bonus.**

*\*Cost of student's initial supplies for projects taken home. If a student is enrolled in a 2<sup>nd</sup> or 3<sup>rd</sup> arts class at the same time, the 2<sup>nd</sup> fee is reduced 50%, and the 3<sup>rd</sup> class fee is waived.*



# Career & Technical Education Department

CTE College Credit provides an opportunity for secondary students who complete state-approved programs in CTE to earn postsecondary credit at no cost to the student. CTE College Credit is articulated credit, the high school course work aligns to postsecondary courses, and the teacher of record is a high school CTE teacher.

To qualify for the CTE College Credit, students must:

1. Earn a 3.0 GPA in the CTE course sequence,
2. pass the state end-of-program technical content assessment, and
3. pass the state Workplace Readiness assessment for employability skills.

Students who complete a CTE program of study according to the criteria are eligible to earn the CTE College Credit within three years of graduating from high school and upon admission to the postsecondary institution. The amount of credit is dependent upon the state standards for each high school CTE program and how the standards align to the college courses for a certificate or degree in a related career pathway.

## Accounting and Finance

### ACCOUNTING AND FINANCE I

**Prerequisite: None**

This course is an introduction to both accounting and finance. This course is an introduction to accounting processes, practices, and concepts as well as an introduction to the world of finance. Topics include debits and credits, career pathways, and a survey of the many industries associated with accounting and finance such as accounting, banking, insurance and investments. Students will be introduced to standard accounting software.

### ACCOUNTING AND FINANCE II

**Prerequisite: Accounting and Finance I**

This course is a continuation of Accounting and Finance I. Students will learn occupational skills in accounting such as recording business transactions, preparing financial statements, maintaining cash controls and calculating financial ratios. Students will practice using standard accounting software and apply generally accepted accounting principles. Topics will also include regulations related to the banking and finance industries, how managers use financial information generated by accounting departments to influence decision-making. The appropriate use of technology and industry-standard equipment is an integral part of this course.

### ACCOUNTING AND FINANCE III

**Prerequisite: Accounting and Finance II**

This course is a continuation of Accounting and Finance II. Students will learn advanced occupational skills in accounting and how they relate to reports used by managers and directors. Students will learn the importance of accounting data in making decisions through an understanding of financial reports such as profit and loss statements, cash flow statements and pro forma statements. Ethics and regulations will be a discussed throughout this course. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

## **ACCOUNTING AND FINANCE ADVANCED STUDIES**

### **Prerequisite: Accounting and Finance III**

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.

## **Animation**

### **ANIMATION I**

#### **Prerequisite: None**

#### **Course Fee: \$20**

This one-year course provides students with the basic principles of traditional and digital animation. Animation, storyboarding, character creation, and storytelling through animation are the focus of this course. Project-based learning provides students with career-based animation skills. Instructional practice incorporates integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation.

### **ANIMATION II**

#### **Prerequisite: Animation I**

#### **Course Fee: \$20**

This course is a continuation of Animation I. This course provides students further instruction in principles of two and three-dimensional computer animation and graphics. Areas of study include storyboarding, character creation, modeling, background development, and traditional animation techniques. Projects are provided to develop the student's career-based animation skills. The appropriate use of technology and industry-standard equipment is an integral part of this course.

### **ANIMATION III**

#### **Prerequisite: Animation II**

#### **Course Fee: \$20**

This course is a continuation of Animation II. This course provides students advanced instruction in principles of two and three-dimensional computer animation and graphics. Areas of study include storyboarding, character creation, modeling, background development, and traditional animation techniques. Projects are provided to develop the student's career-based animation skills. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

## **ANIMATION ADVANCED STUDIES**

### **Prerequisite: Animation III**

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based

enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.

## Computer Science

### AP COMPUTER SCIENCE PRINCIPLES (Level 1 course)

**Prerequisite: None**

**\$40 Class fee to be applied towards exam**

This one-year course is designed with an emphasis on meeting the requirements of the College Board Advanced Placement Computer Science Principles examination. This college-level curriculum emphasizes essential ideas of computer science with a focus on how computing can impact the world. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The appropriate use of technology is an integral part of this course. This course fulfills either the one-half required computer credit and one-half elective credit or one of the elective credits required for high school graduation. Even though this is an AP class, it is appropriate for students who do not have previous computer programming experience.

### COMPUTER SCIENCE II H

**Prerequisite: AP Computer Science Principles or Computer Science I**

This course is a continuation of Computer Science I. This course provides intermediate computer science students with instruction in advanced techniques and processes, particularly as it relates to the language of Java. The areas of major emphasis in the course will be on object-oriented programming methodology, algorithms, data structures and ethics. Topics will include program design, program implementation, standard data structures, and standard algorithms. The appropriate use of technology and industry-standard equipment is an integral part of this course.

### AP COMPUTER SCIENCE A

**Prerequisite: Computer Science I & II (may be waived for seniors in the most advanced math classes who have had previous programming experience)**

**\$40 Class fee to be applied towards exam**

This course is a continuation of Computer Science II. This course provides advanced computer science students with instruction in advanced programming, techniques and processes, with an emphasis in the language of Java. The students will continue to develop all skills learned in Computer Science I and II. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

## Engineering: Project Lead the Way (PLTW)

<b>ENGINEERING: PLTW</b>	Introduction to Engineering (Level 1) Principles of Engineering (Level 2) Computer Integrated Manufacturing (Level 3) Engineering Design and Development (Level 4)
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### INTRODUCTION TO ENGINEERING DESIGN

**Prerequisite: None**

This course is the entry-level course of the Project Lead the Way Pathway to Engineering curriculum. The major focus of IED is the design process and its application. Through hands-on projects, students apply

engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

## **PRINCIPLES OF ENGINEERING**

### **Prerequisite: Introduction to Engineering Design**

This course is a continuation of the Project Lead the Way Pathway to Engineering curriculum. This survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.

## **COMPUTER INTEGRATED MANUFACTURING HONORS**

### **Prerequisite: Principles of Engineering**

This course is a continuation of the Project Lead the Way Pathway to Engineering curriculum. Students answer the questions: How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions, they're learning about the history of manufacturing, robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems.

## **ENGINEERING DESIGN AND DEVELOPMENT**

### **Prerequisite: Computer Integrated Manufacturing**

This course is the capstone course of the Project Lead the Way Pathway to Engineering curriculum. In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. Upon successful completion of this program, students will be prepared for entry into an Engineering program at the college level.

## **Foods & Nutrition**

### **FOODS I**

**Fee: \$40**

This one-year course provides an introduction to the study of basic food preparation and nutrition. Areas of emphasis include food choices and dietary guidelines. Students plan and prepare meals using basic principles of sanitation and safety. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The appropriate use of technology is an integral part of this course. This course fulfills one elective credit required for high school graduation.

### **FOODS II**

**Prerequisite: Foods I**

**Fee: \$40**

This one-year course is designed for students who have completed Foods and Nutrition I at the high school level. Upon successful completion of the course, students should have entry-level skills for employment in the food service industry. Units include cooking for special occasions, meal management, purchasing, food

storage, food preservation, hospitality, food selection, food preparation, and special nutritional needs. This course will fulfill one of the elective credits required for graduation.

### **FOODS III**

**Prerequisite: Foods II**

**Fee: \$40**

This one-year course is designed for students who have completed Foods and Nutrition II. Emphasis is placed on global and local food supply, nutrition in the life cycle, nutritional management related to health conditions, practice of food safety and meal preparation and entrepreneurship opportunities. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation.

## **Forensic Science**

### **FORENSIC SCIENCE I**

**Fee: \$25**

This course introduces the principles and procedures employed in criminal and civil investigations. Areas of study include history of forensic science, types of evidence, careers, legal and ethical issues and exploring crime scenes. Emphasis will be put on gathering information that are used to collect evidence, practice unbiased testimony, crime scene photography and crime scene procedures. The appropriate use of technology and industry-standards equipment is an integral part of this course. **This course fulfills one elective credit for graduation. It does not fulfill science credit for graduation.**

### **FORENSIC SCIENCE II**

**Prerequisite: Forensic Science I**

**Fee: \$25**

This course is a continuation of Forensic Science I. This course allows for students interested in the forensic science field to develop their knowledge and skills in principles and procedures related to laboratory fundamentals and forensic disciplines. Areas of study include biological and chemical hazards, utilization of lab equipment, lab accreditation, examine of evidence, and fingerprinted processes. The appropriate use of technology and industry-standards equipment is an integral part of this course. **This course fulfills one elective credit for graduation. It does not fulfill science credit for graduation.**

### **FORENSIC SCIENCE III**

**Prerequisite: Forensic Science II**

**Fee: \$25**

This course is a continuation of Forensic Science II. This course allows advanced forensic science students the opportunity to develop skills in courtroom proceedings and forensic specialties. Areas of study include legal proceedings, examination questioning, death investigations, anthropology, entomology and forensic psychology. Emphasis will be placed on criminal profiling, skeletal remains, pathology, and courtroom personnel. . The appropriate use of technology and industry-standards equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary employment. **This course fulfills one elective credit for graduation. It does not fulfill science credit for graduation.**

## **FORENSIC SCIENCE ADVANCED STUDIES**

**Prerequisite: Forensic Science III**

**Fee: \$25**

This one-year course is offered to students who have achieved all content standards in Forensic Science an advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation and may be repeated.

## **Furniture & Cabinetmaking**

### **FURNITURE AND CABINETMAKING I**

**Fee: \$40**

This course will introduce the beginning furniture and cabinetmaking student to the various stages of construction and assembly of wood products and related materials. This course is intended to provide students with the basic knowledge and skills necessary to design, construct, and finish furniture and/or cabinets in the woodworking industry. Through the course activities the student will gain an understanding of safety procedures, machine operation, and industrial applications.

### **FURNITURE AND CABINETMAKING II**

**Prerequisite: Furniture and Cabinetmaking I**

**Fee: \$30**

This course is a continuation of Furniture and Cabinetmaking I. This course provides intermediate furniture and cabinetmaking student with the necessary knowledge and skills to pursue employment in related industries. This course will increase knowledge gained in Furniture and Cabinetmaking I. Laboratory activities will include advanced processes using tools and equipment currently being used by the industry. The appropriate use of technology and industry-standard equipment is an integral part of this course.

### **FURNITURE AND CABINETMAKING III**

**Prerequisite: Furniture and Cabinetmaking II**

**Fee: \$30**

This course is a continuation of Furniture and Cabinetmaking II. This course provides advanced furniture and cabinetmaking students with knowledge and skills in finish carpentry and cabinetmaking for construction applications. Through hands-on projects, students develop technical skills that are used throughout the construction industry including the software and hardware components of computer numerical-controlled (CNC) equipment. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education

### **FURNITURE AND CABINETMAKING ADVANCED STUDIES**

**Prerequisite: Furniture and Cabinetmaking III**

**Fee: \$30**

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework may include various

work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.

## Community Health Science

### HEALTH SCIENCE I

**Prerequisite: None**

This one-year course introduces students to human body structure and functions. Areas of emphasis include anatomy, healthcare delivery systems, medical terminology, emergency management, health information technology, and legal practices. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of the course. This course fulfills one of the elective credits required for high school graduation.

### HEALTH SCIENCE II

**Prerequisite: Health Science I**

This course is designed for students who have successfully completed Health Science I. Areas of emphasis include medical ethics, hazardous materials and safety in the workplace, epidemiology, and green practices in healthcare. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of the course. This course fulfills one of the elective credits required for high school graduation.

### COMMUNITY HEALTH SCIENCE

**Prerequisite: Health Science I & II**

This course is designed to provide students with knowledge and skills required for entry into the healthcare field area of study that includes community health worker, biostatistics, epidemiology, public health, substance abuse, personal health, cellular and molecular biology, and environmental health. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation and may be repeated.

## Marketing

### PRINCIPLES OF BUSINESS AND MARKETING (Level 1)

This course is an entry-level course in the Business Management, Entrepreneurship, Marketing, and Sports & Entertainment Marketing programs that develops student understanding and skill in areas such as business law, communications, customer relations, economics, information management, marketing, and operations. Students acquire knowledge of fundamental business and marketing activities, factors affecting business, develop verbal and written communications skill, and participate in career exploration and planning.

### MARKETING I (Level 2)

**Prerequisite: Principles of Business and Marketing**

This course is a continuation of the Marketing and Entrepreneurship programs. Students will learn and practice skills in the functional areas of marketing: channel management, marketing-information management, market planning, market research, pricing, promotion, product management and professional selling. Ethical and legal issues of these functions will be covered. The appropriate use of technology and industry-standard equipment is an integral part of this course.

## **MARKETING II (Level 3)**

### **Prerequisite: Marketing I**

This course is a continuation of the Marketing and Entrepreneurship programs. Students will learn and practice skills in the functional areas of marketing: channel management, marketing-information management, market planning, market research, pricing, promotion, product management and professional selling. Ethical and legal issues of these functions will be covered. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

## **MARKETING ADVANCED STUDIES**

### **Prerequisite: Marketing II**

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.

## **Photography**

### **PHOTOGRAPHY I**

#### **Fee: \$40**

This course is designed to introduce students to the fundamentals of commercial photography in relation to seeing photographically, operating cameras, use of light, image capture, and processing digital images. Students will also learn the history of photography, legal and ethical issues related to the industry. Career exploration is also a part of this course.

### **PHOTOGRAPHY II**

#### **Prerequisite: Photography I**

#### **Fee: \$40**

This course is a continuation of Photography I. This course provides intermediate photography students with instruction in advanced digital techniques and processes. Areas of study include operating cameras, use of light, image capture, and processing digital images. Students will also learn the history of photography, legal and ethical issues related to the industry. The appropriate use of technology and industry-standard equipment is an integral part of this course.

### **PHOTOGRAPHY III**

#### **Prerequisite: Photography II**

#### **Fee: \$40**

This course is a continuation of Photography II. This course provides advanced photography students with instruction in advanced digital techniques and processes in commercial photography. Manipulation of images using industry-standard software is also included. Students will be required to exhibit their projects. Students will be prepared for industry certifications. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.



## Teaching & Training

### TEACHING AND TRAINING I

This one-year course provides students with an introduction to the principles of Teaching and Training. Areas of emphasis include teaching and learning theory, characteristics of an educator, planning and implementing developmentally appropriate activities, health and safety practices and fundamentals for development of learners in an educational setting. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation.

### TEACHING AND TRAINING II

#### **Prerequisite: Teaching and Training I**

This one-year course is designed for students who have successfully completed Teaching and Training I. Areas of emphasis include post-secondary options, careers, educational advocacy, educational trends and policies, classroom instruction, educational technologies and behavioral theorists. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation.

### TEACHING AND TRAINING III

#### **Prerequisite: Teaching and Training I & II**

This one-year course is designed for students who have successfully completed Teaching and Training II. Areas of emphasis include professionalism and ethics in teaching, developmental theorists, educational philosophies, culturally responsive teaching, learning styles, assessment practices and classroom management. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation.

## Theater Technology

### THEATER TECHNOLOGY I

#### **Fee: \$20**

This course will introduce the student to the craft and technical skills of a theatrical production. Students will be instructed in theatre safety, stage lighting, sound, scenic design and construction, properties, painting, and backstage responsibilities. Students are required to attend three Palo Verde Theater Main stage productions. Students are required to apply technical skills learned in class to Palo Verde events extending beyond school hours.

### THEATER TECHNOLOGY II

#### **Prerequisite: Theatre Technology I**

#### **Fee: \$20**

This course is a continuation of Theatre Technology I. This course provides intermediate theater design technology students with instruction in advanced techniques and processes. Areas of study include lighting, sound, stage, and set design. The appropriate use of technology and industry-standard equipment is an integral part of this course. Students are required to attend three Palo Verde Theater Main stage productions. Students are required to apply technical skills learned in class to Palo Verde events extending beyond school hours.

### **THEATER TECHNOLOGY III**

**Prerequisite: Theatre Technology II**

**Fee: \$20**

This course is a continuation of Theatre Technology II. This course provides advanced theater design technology students with instruction in advanced techniques and processes. Areas of study include lighting, sound, stage, and set design. Students will be expected to design, construct and apply theatre production skills for all school productions. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education. Students are required to attend three Palo Verde Theater Main stage productions. Students are required to apply technical skills learned in class to Palo Verde events extending beyond school hours.

### **THEATER TECHNOLOGY ADVANCED STUDIES**

**Prerequisite: Theatre Technology III**

**Fee: \$20**

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit. Students are required to attend 3 Palo Verde Theater Main stage productions. Students are required to apply technical skills learned in class to Palo Verde events extending beyond school hours.

## **Video Production**

### **VIDEO PRODUCTION I**

**Fee: Purchase a program SD Card (\$10)**

This course is designed to introduce students to the basic elements and skills needed to produce a video. Operating DSLR video cameras, computer editing, interviewing, audio production and on-air reporting are emphasized. Students will become familiar with video production techniques for a variety of purposes, including producing music videos, Public Service Announcements, movie trailers, and the PVTV News program. This is the foundation course for PVTV, our in-house news station.

### **VIDEO PRODUCTION II**

**Prerequisite: Video Production I with a Grade of C or better**

**Fee: Purchase a program SD Card (\$10)**

This course is a continuation of Video Production I. This course provides intermediate video production students with instruction in advanced techniques and processes. Students in this class produce the live newscast for PVTV each day. Emphasis is placed on the advanced principles in pre/post-production, editing techniques, studio and engineering procedures, and live broadcast skills. The appropriate use of technology and industry-standard equipment is an integral part of this course.

### **VIDEO PRODUCTION III**

**Prerequisite: Teacher recommendation**

**Fee: Purchase a program SD Card (\$10)**

This course is a continuation of Video Production II. This course provides advanced video production students with instruction in advanced techniques and processes. Emphasis is placed on the advanced

principles in pre/post-production, editing techniques, studio and engineering procedures, and live broadcast skills. Students will become familiar with video production techniques for a variety of purposes, including broadcast journalism. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

## **VIDEO PRODUCTION ADVANCED STUDIES**

**Prerequisite: Teacher recommendation**

**Fee: Purchase a program SD Card (\$10)**

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.

## **Web Design and Development**

### **WEB DESIGN AND DEVELOPMENT I**

This course is designed to introduce students to the basic elements of web design and development. Students will learn about content placement, use of color and graphics, typography and message using industry-standard software. Students are introduced to various web design languages, design concepts, and layout theory. Students will become familiar with marketing and other uses of websites; as well as ethical and legal issues related to websites.

### **WEB DESIGN AND DEVELOPMENT II**

**Prerequisite: Web Design and Development I**

This course is a continuation of Web Design and Development I. This course is designed for intermediate students to create websites for a variety of purposes. Students will develop their knowledge of content, placement, use of color and graphics, typography and message. Students will use various web design languages, design concepts, and layout theories to create their websites. Students will examine the role of marketing, market research, ethics and legal issues as it relates to websites. Project-based learning, collaboration, and portfolio development are essential elements of this class. The appropriate use of technology and industry-standard equipment is an integral part of this course.

### **WEB DESIGN AND DEVELOPMENT III**

**Prerequisite: Web Design and Development II**

This course is a continuation of Web Design and Development II. This course is designed for advanced students to create websites for a variety of purposes using advanced techniques and processes. Areas of study include automation, animation and interactivity in websites, as well as, web servers and a more extensive knowledge of website construction. Project-based learning, collaboration, and portfolio development are essential elements of this class. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.

## **WEB DESIGN AND DEVELOPMENT ADVANCED STUDIES**

### **Prerequisite: Teacher recommendation**

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.

## **Elective Options**

Palo Verde High School offers a wide variety of elective options. In addition to all our Career and Technical, Performing Arts, Visual Arts, and World Language courses, the courses below fulfill elective credits required for graduation.

### **English Electives**

#### **COMMUNICATIONS 101 & 102 (Jumpstart college credit)**

##### **Prerequisite: Junior Standing**

##### **Fee: \$69.50 per semester**

101 - Theory and practice in extemporaneous speaking and other prepared speaking experiences.

102 - Theory and practice in effective interpersonal communication with written & real world applications. Topics include perception, using verbal & nonverbal symbols, listening, self-disclosure, interpersonal conflict, developing and maintaining relationships.

#### **FILM STUDIES I**

In this one-year course, students study the development of the American film as an art form and a social phenomenon. The course surveys century genres, eras, trends, directors, studios, and influential people in the industry. Students will focus on the techniques of acting as they apply to the electronic and film media. Class work will focus on class discussion and criticism of various films. This course will fulfill either the one art/humanities credit or one of the elective credits required for graduation.

#### **FILM STUDIES II**

##### **Prerequisite: Film Studies I**

In this one-year course, students delve deeper into the development of the American film as an art form and a social phenomenon. The course continues to survey century genres, eras, trends, directors, studios, and influential people in the industry. Students will focus on the screenplay as well as the process of filmmaking. Students will be responsible for outside film projects while class work will focus on class discussion and criticism of various films. This course will fulfill either the one art/humanities credit or one of the elective credits required for graduation.

#### **IMAGINATIVE WRITING**

This one-year course develops and improves both formal and informal writing skills with emphasis placed upon self-expression, creativity, and clear communication. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology and digital media are integral parts of this course. This course fulfills one of the elective credits required for high school graduation.

## **JOURNALISM I**

This course offers students a chance to investigate the world of news reporting and media. Students will learn about the jobs of reporters, editors, photographers, political cartoonists, advertising representatives, and graphic designers. Students will apply professional techniques in investigation, interviews, research projects, photographing news events in action, designing page layouts, selling advertising, copy writing, and editing.

## **JOURNALISM II**

### **Prerequisite: Journalism I**

This course focuses on the application of the principles learned in Journalism I. Students will further develop investigative and analytical reporting skills as they do hands-on work to complete the school paper on a regular basis. They will write stories, take photos, and edit copy for each edition of the paper. They will also be given the opportunity to write for local newspapers, including the Las Vegas Review-Journal, Summerlin View, and Class Magazine. This course will fulfill one elective credit required for graduation. This course is repeatable.

## **MYTHOLOGY AND FOLKLORE I**

### **Prerequisite: Sophomore, Junior or Senior standing**

This one-year course is an introduction to mythology and folklore emphasizing its influence in literature. This course emphasizes the relationships among literature, culture, philosophy, and psychology. Literature, composition, discussion, and critical-thinking skills are taught concurrently. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation.

## **PUBLIC SPEAKING**

In this course, students will experience all facets of the communication process from interpersonal communication to public speaking. This is a non-competition course designed to improve public speaking skills, argumentation, and confidence. Students will compose and deliver various types of speeches as well as identify and demonstrate effective communication. Students will also learn the techniques of argumentation and persuasion.

## **PUBLICATIONS I**

### **Prerequisite: Sophomore, Junior or Senior standing and enrolled in an honors or AP English course**

This one-year course is designed for the study and practice of the foundational elements of publications with major emphasis in information gathering, writing, layout design, and photography. Students participate in the production of the school yearbook. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course.

## **PUBLICATIONS II**

### **Prerequisite: Teacher recommendation**

This one-year course is a continuation of Publications I and is designed for the study and application of the elements of publications with major emphasis in information gathering, writing, layout design, and photography. Students produce a school yearbook demonstrating critical thinking, writing, photography, and technology skills. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course may be repeated.

## **SPEECH & DEBATE I**

**Fee: \$20 per CCSD tournament. Additional costs for out of district tournament travel.**

**One time NSDA membership fee \$20.**

This course offers instruction in speech and debate and provides an opportunity to participate in competitive Forensics tournaments. The student will learn individual/partner debating skills and techniques, as well as learn to speak with power confidence and persuasion. There are several debate and speaking opportunities for the students to choose from both in class and at competition. Students are required to compete in ALL local forensics tournaments (approx. 1 per month/6 per year).

## **SPEECH & DEBATE II**

**Prerequisites: Speech & Debate I**

**Fee: \$20 per CCSD tournament. Additional costs for out of district tournament travel.**

This course will continue to build on the principles and concepts learned in Speech & Debate I. Students will be required to compete in all interscholastic forensics tournaments offered locally. Student must compete at the varsity level. There will be emphasis in applying speech and debate techniques to multiple competition events as well as strengthen their argumentation skills.

Travel opportunities will be offered.

## **SPEECH & DEBATE III**

**Prerequisites: Speech & Debate II**

**Fee: \$20 per CCSD tournament. Additional costs for out of district tournament travel.**

This course will be a third year in the study of competitive speech and debate. Students will be required to apply speech and debate skills to multiple competition events. Students must compete at the varsity level and aid team practices. Students will be required to compete in all interscholastic forensics tournaments offered and travel opportunities will be offered.

## **FORENSICS ADVANCED STUDY**

**Prerequisites: Speech & Debate III**

**Fee: \$20 per CCSD tournament. Additional costs for out of district tournament travel. This course may be repeated for credit upon approval.**

This course will be offered as an independent study in forensics and will be held concurrently with Forensics I and II. Students will be required to assist novice forensics competitors and aid team practices. Students will be required to compete in multiple events at the varsity level and serve in leadership roles as well as be an example for the Speech & Debate team. Travel opportunities will be offered.

## **Music Electives**

### **MUSIC APPRECIATION**

This one-year course is a general introduction to music with specific emphasis on music reading. Students will use general music instruments to learn rhythmic and melodic notation. Students will come away with a basic knowledge of note reading, musical terms, and critical listening.

### **AP MUSIC THEORY**

**\$40 Class fee to be applied towards exam**

This is a one-year course with an emphasis on meeting the requirements of the College Board Advanced Placement Music Theory examination. This course is designed for students who wish to further develop their understanding of music fundamentals, harmony, rhythm, and musical analysis will be explored. It is suggested that students have prior instrumental experience or membership in school vocal ensembles. This course may be repeated for credit. This course will fulfill either the one arts/humanities credit or one elective

credit required for high school graduation. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

## Science Electives

### PRINCIPLES OF MARINE SCIENCE

**Prerequisite: 10th, 11th, or 12<sup>th</sup> Grade Status**

This one year course explores the living and non-living aspects of the ocean environment. Topics covered include ocean exploration, interactions between the atmosphere and the ocean, oceanic life forms, properties of seawater, and how humans interact with the marine environment. This course will include the use of technology, student projects, demonstrations, and laboratory experiences that will enhance student understanding of the ocean and the preservation of its lifeforms. This course fulfills one elective credit for high school graduation. It does not fulfill science credit for graduation. **This course fulfills one of the elective credits required for high school graduation but does not count as a Science credit.**

### ROBOTICS

**Fee: \$40**

This one-year course is designed to provide a hands-on approach to concepts in robotics technologies. This course will be tied directly to laboratory construction of complex robotics systems with emphasis placed on mobile robots and the illustrations of current state of the art research and applications. Additionally, this course will provide the historical development of robotics as a field, effectors and control, integrating sensors, mobile robot controls (reactive, behavior-based, and hybrid), motion planning, robot learning, multi-robot systems, as well as an overview of the field of robotics and their influence on society and the future. In addition to advanced computer science concepts, introductions to the related fields of mechanical and electrical engineering as well as cross-curricular references to the biological, chemical and physical sciences will be provided as appropriate. Instructional practices will incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The use of technology is an integral part of this course. **This course fulfills one of the elective credits required for high school graduation but does not count as a Science credit.**

## Social Studies Electives

### AP HUMAN GEOGRAPHY

**\$40 Class fee to be applied towards exam**

This one-year course for highly motivated students focuses on the spatial relationships of human interaction. The nature and importance of geography, demography, migration, culture, political organization, agriculture and rural land use, industrialization, urbanization and city land use, globalization, and environmental sustainability are examined and evaluated from the spatial perspective of the geographer. Students may choose to sit for the AP Human Geography test. This course fulfills the Arts/Humanities and World History graduation requirements, or an elective requirement. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

### CRIME & JUSTICE

**Prerequisite: Sophomore, Junior or Senior standing.**

This one-year course is a study of crime and justice with special attention on local, state, and federal law enforcement agencies as they affect individuals within the legal system. Students analyze the historical development of law, theories of deviance, definitions of crime, as well as the criminal justice system and its

processes. A special emphasis is placed on contemporary issues and dilemmas arising out of the current system of law enforcement and adjudication. The appropriate use of technology is an integral part of this course. This course fulfills an elective requirement.

## **PSYCHOLOGY**

### **Prerequisite: Sophomore, Junior or Senior standing**

This one-year course will introduce basic concepts used by psychologists to understand human behavior. Topics to be covered include psychology's place among the sciences, human development, physiological bases of behavior, motivations, learning, normal and abnormal behavior, therapies, testing, and the effects of group membership on behavior. Several topics may be more suited for mature students. This course fulfills the CCSD elective requirement.

## **AP PSYCHOLOGY**

### **\$40 Class fee to be applied towards exam**

### **Prerequisite: Junior or Senior standing**

This one-year course is for motivated students. Students will gain a thorough systemic and scientific understanding of human behavior. Significant psychological theories, principles, facts, and phenomena will be studied. Student perceptions of the world around them will be expanded. Hands-on activities and practice will introduce students to important research methods and further enrich student understanding of psychology and its means of inquiry. Several topics may be more suited for mature students. Students will be prepared for the AP Psychology test. This course fulfills an elective requirement. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

## **PSYCHOLOGY 101 & 102 H (Jumpstart college credit)**

### **GENERAL PSYCHOLOGY and PSYCHOLOGY OF PERSONAL & SOCIAL ADJUSTMENT**

**Fee: \$69.50/per semester**

### **Prerequisite: Junior or Senior standing**

**General Psychology (semester 1):** A study of the principles of human behavior, including discussions of motivation, perception, learning and personality development.

**Psychology of Personal & Social Adjustment (semester 2):** A study of personality and adjustment in normal persons. Adjustment techniques and reactions to frustration and conflict in the content of various social groups considered.

## **SOCIOLOGY**

### **Prerequisite: Sophomore, Junior or Senior standing.**

This one-year course explores the dynamic forces that shape group behavior and social relations in society. Topics such as fashion, music, art, television and film, and advertising are used to examine the complexity of the social structure. Emphasis is on the relationship of individuals and groups to society, as well as how race, class, and gender determine individual power, status, and influence. Instructional practices integrate diversity awareness. Several topics may be more suited for mature students. This course fulfills an elective requirement.

## **Miscellaneous Electives**

## **ACT PREPARATION**

### **Prerequisite: Junior standing**

This course is designed to prepare juniors to take the ACT. Students will take ACT practice exams and use computer programs to focus on areas of deficiency.



## **AP/IB STUDY LAB**

**Prerequisite: Enrollment in at least one AP or IB course**

This course is designed for students to extend the learning of their AP/IB course by collaborating with other students.

## **APPLIED OFFICE PRACTICE**

**Prerequisite: Grades 11-12; Counselor approval; must be college & career ready as per CCSD's graduation requirements.**

This one-year course provides on-the-job training in the following areas: Administrative offices, attendance, school bank, library, audio-visual office, and counseling areas. The required application/contract is available from a school counselor. Two credits may be earned in this program with a maximum of one credit earned in any one office area. Fifty percent of the final grade is based on the student's attendance.

## **EXPLORATORY WORK EXPERIENCE (Students who work a job outside of school)**

This one-year credit is designed to provide students with an exploratory work experience which will introduce them to the world of work. This opportunity will help students bridge the gap from school to work. Students must receive pay and will receive high school credit for completion of a minimum of 270 work hours per semester. Hours must be accrued by the projected completion date.

## **LEADERSHIP**

**Prerequisite: Administrative placement only.**

The purpose of this one-year course is to train student leaders in the various aspects of leadership. Time will be used in and out of class for performance of tasks associated with their leadership responsibilities. Students elected to a student government office or selected to participate in a student government position must be enrolled in this class. This class fulfills one elective credit required for graduation. It may be repeated for more than one credit.

## **LIBRARY AIDE**

**Prerequisite: Grades 10-12; Counselor approval, including review of grades and behavior.**

Library aides are an important part of the library at Palo Verde. They help the library staff assist students with projects, find books, and use computers in the library. They also help shelve books and run errands.

## **STUDENT AIDE**

**Prerequisite: Counselor/teacher approval. Must be college and career ready as per CCSD's graduation requirements.**

This program allows students to assist teachers. Students gain experience in clerical duties, laboratory assistance, working with faculty members, and following directions. The required application/contract is available from a school counselor. A maximum of one credit can be earned in the Student Aide program. Fifty percent of the final grade is based on the student's attendance.

## **SCHOOL RELATED WORK EXPERIENCE**

**Prerequisite: Completed Application by the end of the previous school year. NO EXCEPTIONS.**

This one-year course provides students with job opportunities on the school campus (school cafeteria). Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation and may be repeated. Students are also paid for their services.

# English Department

The courses offered by the Department of English at Palo Verde High School are designed to provide students with the necessary reading, writing, speaking and listening skills required in today's changing world. The courses are aligned with the Nevada Academic Content Standards and reflect content specific texts according to the course description.

## **ENGLISH 9**

This one-year course (Foundations in Composition, Language, and the Elements of Text) provides instruction in the English Language Arts strand identified by the Nevada Academic Content Standards as reading, writing, speaking and listening, and language. This course will emphasize mastering the language, grammar, structure, and rhetoric of text; completing more complex writing assignments; reading and analyzing a range of literary and informational discourse, both classic and contemporary; and delivering more extensive oral presentations.

## **ENGLISH 9 HONORS**

### **Prerequisite: Teacher Recommendation**

This one-year course (Foundations in Composition, Language, and the Elements of Text) provides instruction in the English Language Arts strand identified by the Nevada Academic Content Standards as reading, writing, speaking and listening, and language. This course will emphasize mastering the language, grammar, structure, and rhetoric of text; completing more complex writing assignments; reading and analyzing a range of literary and informational discourse, both classic and contemporary; and delivering more extensive oral presentations. This course is designated as honors level by the accelerated instructional pacing and depth of content.

## **ENGLISH 10**

This one-year course (*Composition and Themes in Global Text*) provides instruction in the English Language Arts strands identified by the Nevada Academic Content Standards as reading, writing, speaking and listening, and language. This course focuses on traditional (e.g. argument, persuasion, expository), technical, and creative modes of composition. Through the study of themes found universally in global texts, both literary and informational, instruction emphasizes the critical analysis of text and writers' historical, philosophical, cultural, and ethical perspectives.

## **ENGLISH 10 HONORS**

### **Prerequisite: Teacher recommendation**

This one-year course (*Composition and Themes in Global Text*) provides instruction in the English Language Arts strands identified by the Nevada Academic Content Standards as reading, writing, speaking and listening, and language. This course focuses on traditional (e.g. argument, persuasion, expository), technical, and creative modes of composition. Through the study of themes found universally in global texts, both literary and informational, instruction emphasizes the critical analysis of text and writers' historical, philosophical, cultural, and ethical perspectives. This course is designated as honors level by the accelerated instructional pacing and depth of content.

## **ENGLISH 11**

This one-year course (*Composition and Themes in American Text*) provides instruction in the English Language Arts strands identified by the Nevada Academic Content Standards as reading, writing speaking and listening, and language. This course requires expository, analytical, and argumentative writing assignments that are based on readings representing a wide variety of prose styles and genres. The course is structured around multicultural themes and perspectives found in literary, nonfiction, and expository texts

by American authors to encourage students to think conceptually about the American past, present, and future as well as about the ethnic and cultural diversity of the American experience.

## **ENGLISH 11 HONORS**

### **Prerequisite: Teacher Recommendation**

This one-year course (Composition and Themes in American Text) provides instruction in the English Language Arts strands identified by the Nevada Academic Content Standards as reading, writing speaking and listening, and language. This course requires expository, analytical, and argumentative writing assignments that are based on readings representing a wide variety of prose styles and genres. The course is structured around multicultural themes and perspectives found in literary, non-fiction, and expository texts by American authors to encourage students to think conceptually about the American past, present, and future as well as about the ethnic and cultural diversity of the American experience. This course is designated as honors level by the accelerated instructional pacing and depth of content.

## **AP LANGUAGE & COMPOSITION**

### **Prerequisite: Teacher recommendation**

**\$40 Class fee to be applied towards exam**

**Interested students are expected to sit for the AP exam.**

This one-year course emphasizes the study and practice of the art and structure of writing. Literature will be thoroughly examined and analyzed by an investigation of the author's purpose. Style analysis will provide a platform for comprehension and application of audience interpretation. Through speaking, listening, reading, and writing, students will become more aware of the resources and structure of the English language. Writing assignments will focus on the essay and explore different writing styles, forms, and rhetorical strategies. This course is designed to prepare students for the Advanced Placement Language and Composition exam in May. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

## **IB LITERATURE I AND II**

**Prerequisite: Junior Standing \*\*This is a 2-year course.**

This is a two-year mandatory Higher-Level (HL) sequence for International Baccalaureate Certificate students. World Literature I is taught in the junior year, and World Literature II is taught in the senior year. The sequence meets the Clark County School District and State of Nevada requirements for junior and senior year English Language Arts. The course is built on the assumption that literature is concerned with our conceptions, interpretations and experiences of the world. Through the study of a wide range of literature, the World Literature sequence encourages students to appreciate the artistry of literature and to develop an ability to reflect critically on their reading. Works are studied in their literary and cultural contexts, through close study of individual texts and passages, and by considering a range of critical approaches. World Literature does not limit the study of works to the products of one culture or the cultures covered by any one language. The study of works in translation is especially important in introducing students, through literature, to other cultural perspectives. The response to the study of literature is through oral and written communication, thus enabling students to develop and refine their command of language. **Students are expected to take the International Baccalaureate exam at the end of this course. Students that do not take the exam will be given credit for an Honors level course on their transcript and the equivalent .025 Honors GPA bonus.**

## **ENGLISH 12**

This one-year course (*Post-Secondary Composition and Universal Themes in Text*) provides instruction in the English Language Arts strands identified by the Nevada Academic Content Standards as reading, writing, speaking and listening, and language. The writing focus in this course includes analysis, synthesis, and argumentation as they relate to post-secondary success. A framework structured around universal themes

that connect people across cultures and time anchors texts to real-life reading, writing, and speaking and listening opportunities likely to be experienced beyond high school.

### **ENGLISH 101 H & 102 H (Jumpstart college credit)**

**Prerequisite: ACT score of 18 or higher or passing Accuplacer score.**

ENG 101 is designed to strengthen college-level writing skills, with particular attention to audience, purpose, and rhetorical situation focusing on the writing process and introducing research. ENG 102 is a continuation and extension of ENG 101 and equivalents with attention to analytical reading and writing, critical thinking, and research methodologies, while emphasizing interpretation, analysis, synthesis, and argument.

### **AP LITERATURE & COMPOSITION**

**Prerequisite: Teacher recommendation**

**\$40 Class fee to be applied towards exam**

**Interested students are expected to sit for the AP exam.**

This one-year course emphasizes the development of skills in the critical reading of a wide range of literature and in writing about literature. AP Literature and Composition is rigorous, demanding, and designed for students capable of doing college level work while still in high school. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

### **FUNDAMENTALS OF READING & WRITING (READ 180)**

**9<sup>th</sup> grade level. Administrative placement only**

Read 180 is an intensive reading intervention program designed to improve reading skills. English 9 teachers administer a pre- assessment during the first week of school. Based on student results from the pre-assessment, the Scholastic Reading Inventory may be administered to obtain a Lexile score. It is this score that will be used to recommend placement in the Read 180 Program. Read 180 involves students in the reading and writing processes with small group discussions, independent reading, and an individualized computer program. The class has produced excellent results with many students beginning to enjoy reading and improving their reading level between two to five grade levels within one year.

# Mathematics Department

Palo Verde High School's mathematics program provides students with mathematical experiences that meet their needs. A variety of instructional formats including visual aids, small groups, individual exploration, peer instruction, and whole class discussions involve students in reasoning, communication, understanding, and applying mathematical concepts. Students develop confidence in their ability to solve mathematical problems through problem-solving techniques. The use of calculators and computer software are an integral part of these courses.

## **ALGEBRA I DOUBLE BLOCKED**

### **Concurrent enrollment in Fundamental Math Concepts per Administration**

This 1<sup>st</sup> year course is the study of patterns and structure within the real number system. Topics include working with equations, graphing, and problem-solving strategies. Students become adept at solving problems that require the integration of a variety of mathematical concepts. The use of a calculator and computer software as instructional tools is an integral part of this course. This course will fulfill one of the mathematics credits required for graduation.

## **FUNDAMENTAL MATH CONCEPTS**

### **Concurrent enrollment with Algebra I per Administration**

This one-year, supplemental course in mathematics is designed for students who need additional instruction and support to master necessary mathematical concepts. This course provides additional instruction in conjunction with the student's course of study. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. This course fulfills one of the elective credits required for high school graduation and may be repeated. This course does not fulfill one of the mathematics credits required for graduation, nor does it meet the core requirements for the National Collegiate Athletic Association (NCAA).

## **ALGEBRA I SINGLE BLOCK**

### **Prerequisite: Teacher recommendation**

This rigorous one-year course is designed for the motivated student with a strong mathematics background. It is designed to prepare the student for the demands of the honors program by incorporating higher level thinking, problem solving, reasoning, modeling, and effective communication skills through the study of algebraic concepts.

## **GEOMETRY**

### **Prerequisite: Algebra I**

This one-year course is a logical development of the inductive and deductive systems of reasoning. Emphasis is on developing visualization abilities, analytical skills and logical reasoning through activity-oriented methods of instruction. The prerequisite for this course is successful completion of Algebra I or Applied Algebra. It is expected that a calculator and computer software will be used as instructional tools. This course will fulfill one of the mathematics credits required for graduation.

## **GEOMETRY HONORS**

### **Prerequisite: Algebra I and teacher recommendation**

This one-year course provides advanced study in Geometry for the more capable student. It is a rigorous, logical development of the deductive system of reasoning. Emphasis is on the development of logic, formal proofs, and algebraic applications to geometry. The prerequisite for this course is successful completion of Algebra I Honors. It is expected that a calculator and computer software will be used as instructional tools. This course will fulfill one of the mathematics credits required for graduation.

## **ALGEBRA II**

### **Prerequisite: Algebra 1 and Geometry**

This one-year course provides students with a study of functions and statistics, including advanced topics. It incorporates problem solving, reasoning, modeling, and effective communication skills through the study of polynomial, rational, radical, exponential, logarithmic, and trigonometric functions; the design of statistical studies; and statistical inference. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The use of mathematical tools and technology, including calculators and computer software, is an integral part of this course. This course fulfills one of the mathematics credits required for high school graduation.

## **ALGEBRA II HONORS**

### **Prerequisite: Geometry Honors with a grade of B or better and teacher recommendation**

This one-year course provides students with a rigorous study of functions and statistics, including advanced topics. This course is designated as honors level by the accelerated instructional pacing and depth of content. It incorporates problem solving, reasoning, modeling, and effective communication skills through the study of polynomial, rational, radical, exponential, logarithmic, and trigonometric functions; the design of statistical studies; and statistical inference. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The use of mathematical tools and technology, including calculators and computer software, is an integral part of this course. This course will fulfill one of the mathematics credits required for high school graduation.

## **COLLEGE PREPARATORY MATHEMATICS**

### **Prerequisite: Algebra II with a C or better**

This rigorous one-year course is designed for students who have successfully completed Algebra II. In preparation for college-level mathematics, the focus of this course is the study of advanced mathematical topics and their applications. Emphasis is on refining problem solving skills through modeling and project-based learning. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The use of technology, including calculators or computer software, is an integral part of this course. This course fulfills one of the mathematics credits required for high school graduation.

## **QUANTITATIVE REASONING AND DATA ANALYSIS**

### **Prerequisite: Senior standing**

The Quantitative Reasoning and Data Analysis course is a fourth-year course designed to be an alternative to Precalculus that prepares students for entry to and success in credit-bearing post-secondary mathematics courses. This one year course is designed to engage students in complex and realistic situations involving the mathematical phenomena of quantity, change and relationship, and uncertainty through project and activity-based assessment. Emphasis is placed on authentic contexts which will introduce the concepts of numeracy, proportional reasoning, dimensional analysis, rates of growth, personal finance, consumer statistics, practical probabilities, and mathematics for citizenship. Upon completion, students should be able to utilize quantitative information as consumers and to make personal, professional, and civic decisions by decoding, interpreting, using, and communicating quantitative information found in modern media and encountered in everyday life.

## **TOPICS IN MODERN MATHEMATICS**

### **Prerequisite: Algebra II**

This one-year course is the study of mathematical topics and their applications to prepare students for college-level mathematics. Emphasis will be on refining problem solving skills through modeling and project-based learning. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The prerequisite for this course is

successful completion of Algebra II. This course will fulfill one of the mathematics credits required for high school graduation.

### **MATH OF PERSONAL FINANCE**

**Prerequisite: 12<sup>th</sup> grade / Recommended for Non-College Bound Seniors**

**\*\*Placement requires administrative approval**

This one-year course is the study of personal finance for senior-level students. Students will develop a deeper understanding of the mathematics of finance to include: money management, risk management, and financial planning related to consumer and family studies, career and technical education, and personal finance. The emphasis will be on refining problem-solving skills using project-based learning activities and academic integration within the context of financial applications. The use of technology, including calculators and computers, is an integral part of this course. This course will fulfill one of the mathematics credits required for high school graduation.

### **MATH 95 (Jumpstart college credit)**

#### **ELEMENTARY COLLEGE ALGEBRA**

**Prerequisite: Satisfactory Placement Test scores on the Accuplacer Exam, ACT (16 or higher in the math portion), or SAT (400 or higher in the math portion)**

**Fee: \$69.50**

A one-semester course in the fundamental operations of real numbers, solving linear equations in one variable, polynomials, quadratic equations in one variable, and introduction to graphing. Intended to provide a basic foundation for future mathematics needed in the fields of business, economics, engineering and related fields. Students who complete this course with a C or better first semester, go into Math 96 second semester.

### **MATH 96 (Jumpstart college credit)**

#### **INTERMEDIATE COLLEGE ALGEBRA**

**Prerequisite: Math 95 with a grade of C or better, Satisfactory Placement Test scores on the Accuplacer Exam, ACT (19 or higher in the math portion), or SAT (450 or higher in the math portion)**

**Fee: \$69.50**

A one-semester course with topics including rational expressions and equations, linear equations and inequalities, radicals, quadratic equations, graphs and applications. Students can take this course after Math 95 or before Math 126.

### **MATH 126 H (Jumpstart college credit)**

#### **PRECALCULUS I**

**Prerequisite: Math 96 with a grade of C or better, Satisfactory Placement Test scores on the Accuplacer Exam, ACT (22 or higher in the math portion), or SAT (500 or higher in the math portion)**

**Fee: \$69.50**

A one-semester course with a rigorous discussion of algebra concepts necessary for calculus. Topics include an in-depth investigation of algebraic functions and their graphs and solutions of systems of equations.

### **MATH 127 H (Jumpstart college credit)**

#### **PRECALCULUS II**

**Prerequisite: Math 126 with a grade of C or better; or a satisfactory ACT (25 or higher in the math portion), or SAT (550 or higher in the math portion)**

**Fee: \$69.50**

A one-semester course with topics including an in-depth investigation of trigonometric functions and their graphs, analytic trigonometry, solutions of triangles, vectors, and analytic geometry. This course is essential for students planning to take calculus. Students take this course second semester after successful completion of Math 127.

### **PRECALCULUS H AB**

**Prerequisite: Algebra II H and teacher recommendation**

This rigorous one-year course is designed for the motivated student with a strong background in advanced algebra and will prepare the student for AP Calculus AB or BC. In addition to reviewing topics from trigonometry, this course includes problem-solving techniques using analytic geometry, vectors, matrices, relations and functions and their graphs, probability and statistics, and the use of limits, derivatives and integrals. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The use of technology, including graphing calculators and computer software, is an integral part of this course. This course fulfills one of the mathematics credits required for high school graduation.

### **AP STATISTICS**

**Prerequisite: Algebra II or Algebra II H and teacher recommendation**

**\$40 Class fee to be applied towards exam**

This one-year Advanced Placement course is intended for students who have completed at least one year each of Geometry, Algebra I, Algebra II and are preparing for further study in disciplines requiring statistical course work. This course will include the study of statistical graphing techniques, measures of center and variance, distributions, regression analysis, probability, significance testing and experimental design. Technology, including calculators and computer software, will be used throughout the course. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship. This course will fulfill one of the mathematics credits required for graduation.

### **AP CALCULUS BC**

**Prerequisite: Pre-Calculus or Calculus AB with B or better and teacher recommendation**

**\$40 Class fee to be applied towards exam**

**Concurrent enrollment in Extended Math Lab is required.**

This college-level course is intended for students who have a thorough knowledge of pre-calculus mathematics, as well as basic differentiation and integration. Students should have a strong background in advanced algebra, geometry and trigonometry. This course includes a brief review of basic differentiation and integration, applications of differentiation and integration, infinite series, and vector function. Emphasis will be placed on the application of technology and theory to solve problems. A graphing calculator approved for the AP test must be used throughout this course. A major goal of the course will be to prepare students to sit for AP examinations. This course will fulfill one of the mathematics credit required for high school graduation. **Students are expected to take the Advanced Placement exam at the end of this course. Students that do not take the exam will be given credit for an Honors level course on their transcript and the equivalent .025 Honors GPA bonus.** See your school counselor if you have a financial hardship.

### **AP CALCULUS AB 21802**

**Prerequisite: Pre-Calculus Honors and teacher recommendation**

**\$40 Class fee to be applied towards exam**

This one-year, college-level course is intended for students who have a thorough knowledge of pre-calculus mathematics. Students should have a strong background in advanced algebra, geometry and trigonometry. This course includes a brief review of pre-calculus topics, a study of limits and the differentiation and integration of functions of a single variable. Emphasis will be placed on the application of technology and theory to solve problems. A major goal of the course will be to prepare students to sit for AP examination.



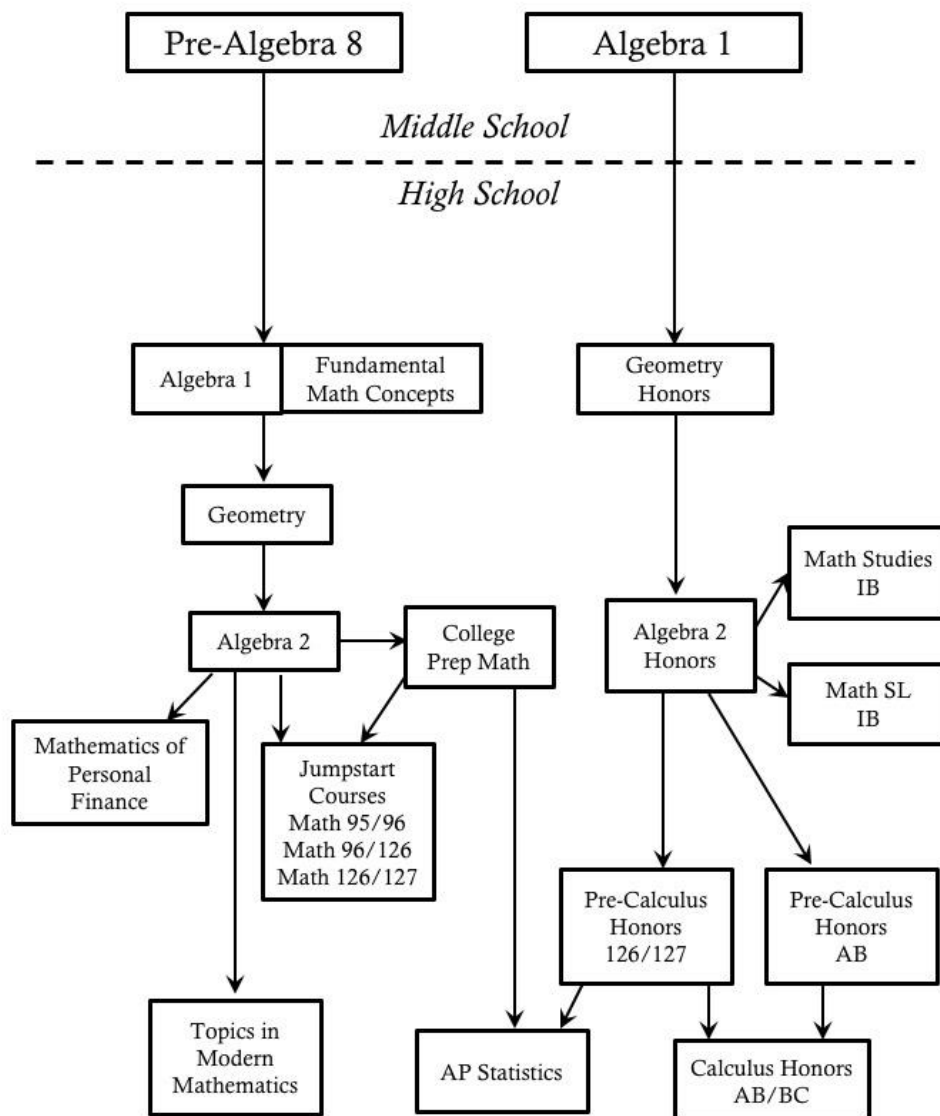
Calculus AP will fulfill one unit of the mathematics credits required for graduation. **Students are expected to take the Advanced Placement exam at the end of this course. Students that do not take the exam will be given credit for an Honors level course on their transcript and the equivalent .025 Honors GPA bonus.** See your school counselor if you have a financial hardship.

## IB MATHEMATICS I AND II

**Prerequisite: Junior Standing \*\*This is a 2-year course**

This is a two-year Higher-Level (HL) sequence for International Baccalaureate Candidate students. Analysis and approaches is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without the use of technology. Students who take Mathematics: Analysis and approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or economics for example. **Students are expected to take the International Baccalaureate exam at the end of this course. Students that do not take the exam will be given credit for an Honors level course on their transcript and the equivalent .025 Honors GPA bonus.**

## Mathematics Flow Chart



## Performing Arts Department

Palo Verde High School prides itself in offering students a wide variety of performing arts courses. Creativity, originality, and skill development are all featured in a positive learning environment.

### Band

#### **BAND INTERMEDIATE – 1<sup>st</sup> Semester - Brass/Woodwinds**

#### **2<sup>nd</sup> Semester - Symphonic Winds/Wind Symphony**

**Requirements: Students must be enrolled in the marching band, jazz band, or chamber orchestra simultaneously. Attendance at band camp in August, participation in all home football games, marching band competitions, concerts, and travel are required. Women must have long black formal for concert attire. Men must have black tuxedo, black shoes & black socks for concert attire.**

**Class Fee: \$45**

The Palo Verde Symphonic Winds/Wind Symphony is a development concert band providing students with the tools to succeed and being able to compete for a chair in our Symphonic Winds/Wind Symphony. This ensemble performs easy-medium to medium music. Students must purchase formal tuxedo or long formal black dress and must attend all concerts and trips to be in the Symphonic Winds/Wind Symphony. This ensemble is by audition with the band directors only and uses instrumentation found in standard high school bands. Traveling to all shows and competitions is a requirement of the class and additional trips may be added, which may require additional fees that may be offset by fundraising.

#### **BAND ADVANCED (Wind Orchestra)**

**Requirements: Students must be enrolled in the marching band, jazz band, or chamber orchestra simultaneously. Must perform at after school and weekend concerts, Monday night rehearsals from 6:00 PM to 8:00 PM as needed. This ensemble travels annually and student are required to attend and cover travel costs. Women must have long black formal for concert attire. Men must have black tuxedo, black shoes & black socks for concert attire.**

**Class Fee \$45. Additional cost for competitions and travel. Fundraising is available.**

The Nationally Acclaimed Palo Verde Wind Orchestra is the premier concert band at Palo Verde High School and performs around the United States in major national festivals. This ensemble performs difficult literature from all musical eras. Students must purchase formal tuxedo or a long formal black dress and attend all concerts and trips to be in the Wind Orchestra. This ensemble is by audition with the band director only and uses instrumentation found in collegiate level wind ensembles, as well as cello and string bass.

#### **BAND PANTHER PRIDE MARCHING BAND (Late Bird Class)**

**Requirements: Students must be enrolled concert band (Int./Adv. band) simultaneously. Attendance at band camp in August is mandatory. Band camp will be held approximately two weeks before school starts. Monday AND Tuesday night rehearsals from 6:00 PM to 8:30 PM, as needed, participation in all home football games, concerts, and travel are required.**

**Class Fee \$200 (includes band camp fees, show shirt, marching gloves, uniform rental – does NOT include marching shoes & shako). Additional cost for travel may be added. Fundraising is available.**

The Palo Verde Panther Pride Marching Band is the largest single performing ensemble in the school and frequently travels. This ensemble performs for football games, competes on Saturdays in Nevada and neighboring states, and performs in two parades each year. This ensemble is open to all students studying a band instrument, though an audition for proper placement is necessary.

## **JAZZ BAND BEGINNING**

**Prerequisite:** Students must audition for placement during August band camp. Concurrent enrollment in another band or orchestra.

**Requirements:** Traveling to all shows and competitions is a requirement of the class and additional trips may be added, which may require additional fees that may be offset by fundraising.

**Class Fee \$45.** Students must purchase formal black suit or long formal black dress and attend all concerts and trips to be in the Jazz Band 2.

The Palo Verde Jazz Band 3 is the freshman jazz ensemble, providing students with the tools to succeed and being able to compete for a chair in our Jazz Band 1. This ensemble is by audition with the Jazz director only and uses instrumentation found in standard big bands.

## **JAZZ BAND INTERMEDIATE (Lab Jazz Ensemble)**

**Prerequisite:** Students must audition for placement during August band camp. Concurrent enrollment in another band or orchestra.

**Requirements:** Traveling to all shows and competitions is a requirement of the class and additional trips may be added, which may require additional fees that may be offset by fundraising.

**Class Fee \$40.** Students must purchase formal black suit or long formal black dress and attend all concerts and trips to be in the Jazz Band 2.

The Palo Verde Jazz Band 2 is the development jazz ensemble, providing students with the tools to succeed and being able to compete for a chair in Jazz Band 1. This ensemble is by audition with the Jazz director only and uses instrumentation found in standard big bands.

## **JAZZ BAND ADVANCED (Jazz I)**

**Prerequisite:** Students must audition for placement during August band camp. Concurrent enrollment in another band or orchestra class.

**Requirements:** Traveling to all competitions is a requirement of the class which may require additional fees that may be offset by fundraising.

**Class Fee \$45.** Students must purchase formal black suit or long formal black dress and attend all concerts and trips to be in the Jazz Band 1.

The Palo Verde Jazz Band 1 is the premier performing ensemble in the Jazz department, playing Jazz festivals across Nevada and shows in the Summerlin area. This ensemble performs medium-advanced to advanced music. This ensemble is by audition with the Jazz director only and uses instrumentation found in standard big bands.

## **PERCUSSION EMSEMBLE**

**Prerequisite:** None

**Fee: \$95 (\$45 Class fee, \$50 equipment rental, repair, replacement)**

This course designed is designed to build the skill sets of students wishing to learn to play percussion instruments including drums, keyboards, and accessory instruments. This course will include guidance and direction in solving psychomotor problems related to percussion instruments and the techniques for providing tone, rhythmic patterns, and dynamic levels. The importance of sustained effort and practice is stressed for technical proficiency. This course will fulfill one art/humanities elective credit toward high school graduation.

## Choir

### **BEGINNING WOMEN'S CHOIR**

There is no prerequisite for taking this class and all women 9th-12th grade are welcome. The class is designed to help students understand their singing voice and introduces skills and habits for developing vocal and performance techniques, as well as basic sight singing skills. The expenditures of this course are approximately \$110 for fees and uniforms. Fundraising is available. Performances and festivals are an expected part of this course.

### **ADVANCED MIXED CHORAL ENSEMBLE (CONCERT CHOIR)**

#### **Prerequisite: Audition/Director Approval required**

Students should plan on approximately \$110 for fees and uniforms. Fundraising is available. The course introduces students to advanced high school choral literature and students will work in depth on vocal technique and build skills sets required to be in an advanced vocal high school ensemble in a well-supported and friendly environment. Students who complete this course are eligible to audition for the Palo Verde Chamber Singers ensemble the following year.

### **ADVANCED WOMEN'S ENSEMBLE/SERENADE**

#### **Prerequisite: Audition/Director Approval required**

Out-of-state competitions required. Students should plan on expenditures of approximately \$110 for uniforms and fees and travel expenses. Fundraising is available. Serenade is the PVHS advanced women's chamber and show choir consisting of 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade students. It is a group for women who enjoy performing and want to grow vocally in the area of tone, sight singing, musicality, and much more. Students must be able to travel to out-of-state competitions. All rehearsals, concerts, festivals, and performances are required.

### **PALO VERDE CHAMBER SINGERS**

#### **Prerequisite: Audition/Director Approval required**

Students must be concurrently enrolled in Serenade or Concert Choir. This course is for students with advanced vocal skills and a serious approach to music. Out-of-state competitions required. Students should plan on expenditures of approximately \$160 for uniforms and financial expenses for travel. Fundraising is available. Palo Verde Chamber Singers performs advanced chamber music of various genres and does various performances throughout the school year on and off campus. Students must be able to travel to competitions. All rehearsals, concerts, festivals, and performances are required.

## Orchestra

### **ORCHESTRA BEGINNING**

**Fee: \$45**

**Requirements: This group performs at numerous concerts & festivals throughout the year that students are required to attend.**

This class is for students who completed the beginning level of orchestra at middle school or junior high school. Students will continue to develop skills and techniques to prepare them for the varsity orchestra.

## **ORCHESTRA INTERMEDIATE**

**Prerequisite: Intermediate students grades 9-12 with director placement.**

**Fee: \$45/year.**

**Requirements: This group performs at numerous concerts & festivals throughout the year that students are required to attend.**

This class is for students who completed the beginning level of orchestra at middle school or junior high school. Students will continue to develop skills and techniques to prepare them for the varsity orchestra.

## **ORCHESTRA ADVANCED**

**Prerequisite: Audition/Director placement**

**Fee: \$45**

**Requirements: This group performs at numerous concerts & festivals throughout the year that students are required to attend.**

This class is for students who completed the beginning level of orchestra at middle school or junior high school. Students will continue to develop skills and techniques to prepare them for the varsity orchestra.

## **ORCHESTRA ADVANCED (Sinfonia)**

**Prerequisite: Audition/Director placement**

**Requirements: Students must purchase formal tuxedo or a long formal black dress and attend all concerts and trips to be in the Sinfonia. Students will be responsible for costs associated with travel, fundraising available to offset those costs.**

**Fee: \$45**

The Palo Verde Sinfonia is the top performing string ensemble in the orchestra department and frequently travels. This ensemble performs difficult literature from all musical eras. This ensemble is by audition with the orchestra director only. Private lessons are suggested for students in this ensemble. Extra rehearsals are required for off-campus performances and have mandatory attendance.

## **PHILHARMONIC (Chamber Orchestra - Early Bird Class)**

**Prerequisite: Audition/Director placement**

**Requirements: Students must be enrolled in Advanced Orchestra. Students must purchase formal tuxedo or a long formal black dress and attend all concerts and trips. Students will be responsible for costs associated with travel, fundraising available to offset those costs.**

**Fee: \$45**

The Nationally Acclaimed Palo Verde Philharmonic is a full symphony orchestra, which performs nationally and/or regionally every year is made up of the most proficient students in the orchestra and band programs. This advanced ensemble performs music at the most advanced level for high school and collegiate students. Students in this ensemble will work annually with some of the most respected guest conductors in the country and performs a minimum of six times a year. Private study is strongly encouraged for members of this ensemble. Students are required to attend any and all trips associated with this ensemble. Fundraising is available and scholarships are possible via request and need

## Theatrical Studies

### **THEATRE I**

If you are a class clown or just someone who has always wanted to get involved in theatre or even if you are trying to get over shyness, then this class is for you. In this workshop-style class, students will use creativity developing original characters and scripts. Emphasis is on acting techniques for development of poise and loss of stage fright, character analysis, improvisation, and play production. **Students will be required to participate in an evening showcase performance and attend three Palo Verde Theater Main stage productions.**

### **THEATRE II**

**Prerequisite: Theatre I**

**Students are required to be involved in theatre festivals and workshops.**

If you want to further extend your theatrical abilities, take this course. This class emphasizes preparation of audition materials and audition techniques, along with a more advanced approach to acting and theatrical training. **Students are required to attend three Palo Verde Theater Main stage productions.**

### **THEATRE III**

**Prerequisite: Theatre II and audition/director approval**

**Students are required to be involved in theatre festivals and workshops. This course also offered as a late bird.**

To help you progress even further in the theatrical field, this class will teach you to demonstrate advanced acting skills through reading, rehearsing, and acting theatre literature. Group interaction and ensemble work will be emphasized; however, independent work is expected as well. This class also helps students develop the skills of directing. **Students are required to attend three Palo Verde Theater Main stage productions.**

### **THEATRE IV**

**Prerequisite: Theatre III and audition/director approval.**

**Students are required to be involved in theatre festivals and workshops. This course is also offered as a late bird.**

This course is for students with a high aptitude and desire for advanced training in acting techniques, acting theory, and directing. **Students are required to attend three Palo Verde Theater Main stage productions.**

### **ADVANCED STUDIES PERFORMING ARTS**

**Prerequisite: Director Approval**

This one-year course is offered to students whose individual desire is to pursue a study of their own interest through investigation and in-depth research for which there is no provision in the regular school curriculum. Students are expected to work independently and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Students must report to the supervising teacher once each week for assistance. Out-of-school research is considered homework and will not substitute for class attendance. Students are required to provide the coordinator and/or committee of interest or qualified persons with a written report or an oral presentation of the study. The appropriate use of technology is an integral part of this course. One credit per year is issued upon satisfactory completion of course requirements. Students may repeat the course with the approval of a counselor and/or administrator. This course will fulfill one arts/humanities credit required for graduation. **Students are required to attend three Palo Verde Theater Main stage productions and be involved in theatre festivals and workshops.**

## **COSTUME DESIGN I**

**Fee: \$20**

If you love the costumes and make-up you see on stage and in movies, then this is the class for you. Students will become familiar with many aspects of costume history, design, and construction as well as learn the basics of make-up design and application. Students will work to create the costumes and make-up for school plays, musicals, and other theater related performances and become familiar with the backstage management of costume crews. **Students are required to attend three Palo Verde Theater Main stage productions.**

## **COSTUME DESIGN II**

**Prerequisite: Costume Design I**

**Fee: \$20**

Areas of emphasis in this course are advanced costume construction, hat making, and costume design rendering. Specific topics include the historical role of costume needs for special roles, costume recycling or repair, sewing animals and foam construction, and costume occupation. Upon completion, students should have entry level skills for employment. Students will assume costume responsibilities for school plays, musicals, and other theater-related performances. Students will be required to work outside the classroom on school productions as well as attend three out-of-school performances over the course of the year. **Students are required to attend three Palo Verde Theater Main stage productions.**

## **COSTUME DESIGN III**

**Prerequisite: Costume Design II and teacher approval**

**Fee: \$20**

Students will receive advanced instruction in costume construction, rendering, and costume design history. Students will assume costume responsibilities for school plays, musicals, and other theater-related performances. Students will be required to work outside the classroom on school productions as well as attend three out-of-school performances over the course of the year. **Students are required to attend three Palo Verde Theater Main stage productions.**

## **COSTUME DESIGN ADVANCED STUDIES**

**Prerequisite: Costume Design III and teacher approval**

Students will receive advanced instruction in costume rendering, pattern draping and drafting, costume construction, and costume design history. Students will design and construct costumes for school plays, musicals, and other theatre-related performances, and supervise both building and running crews for those performances. The student will be required to work outside the classroom on school productions as well as attend three out of school performances over the course of the year. **Students are required to attend three Palo Verde Theater Main stage productions.**

## Physical Education Department

The Palo Verde High School physical education program offers students a wide variety of courses designed to meet their needs for good health and physical fitness in their present life, to develop an awareness for the necessity of a long-range program of physical activity, and to promote health and vitality. Individual, dual, and team activities are available in the required courses as well as in the elective classes. The goal of health education is to provide students with the knowledge to make intelligent choices on matters affecting their health.

### PHYSICAL EDUCATION I

**Fee: \$28 (Includes uniform and lock)**

This required course, primarily for ninth graders, is aimed at the development of the student through individual and team sports by helping the student to grow physically, mentally, and socially in accordance with social standards. A Palo Verde High School P.E. uniform is required, and students are required to dress out in this uniform each day.

### PHYSICAL EDUCATION II

**Fee: Uniform Fee: \$28 (Includes uniform and lock)**

This required course, primarily for tenth graders, is aimed at the further development of the student through individual and team sports by helping the student grow physically, mentally, and socially in accordance with social standards. It is required unless a P.E. waiver is obtained. Information concerning a physical education waiver is on page 14.

### FUNCTIONAL FITNESS (CROSSFIT)

**Fee: \$28 (Includes uniform and lock)**

**This course can be repeated for PE I, PE II and for elective credit.**

This one-year course provides students the opportunity to participate in CrossFit Kids® to develop a health-enhancing level of physical fitness. This course can only be taught by instructors who have passed the CrossFit® Level I Certificate Course and completed the CrossFit® Kids Course. Students engage in movement and fitness activities at moderate to vigorous levels for a minimum of 50% of the instructional time. Students participate in constantly varied functional fitness movements at high intensity levels. Students develop universal motor recruitment patterns by building functional movements, physical skills, and by adapting functional movements to their personal skill levels. This course fulfills one of the two physical education credits required for high school graduation.

### WEIGHT TRAINING

**Fee: \$28 (Includes uniform and lock)**

The primary goal of this course is to complete successfully an individualized 30-minute strength and conditioning work out each day. Students will also receive instruction covering basic weight training principles, weight room safety, and proper nutrition guidelines. Additional evaluation and lifting technique instruction will be provided by the instructor daily. **This does not count as a P.E. I or II credit.**

### LIFETIME SPORTS & RECREATION

**Prerequisite: 2 years of physical education (11<sup>th</sup>/12<sup>th</sup> Grade)**

**Fee: \$28 (Includes uniform and lock)**

This one-year course is designed for students who have successfully completed two years of physical education. This course provides students with a comprehensive understanding of lifetime sports and recreational activities. Students focus on improving sports skills, participating in lifelong sport and recreational activities, and improving fitness levels while working at moderate to vigorous levels for a minimum of 50% of the instructional time. Instructional practices incorporate integration of diversity



awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation. **This does not count as a P.E. I or II credit**

## **DANCE I**

**Fee: \$28 - Includes a dance shirt, lock, and costume rental fee.**

This course is designed to develop an appreciation of dance as an art form. This will be achieved by providing movement experiences that explore and extend the artistic, affective, cognitive, and psychomotor potentials of the student. There are two dance shows required throughout the year. A PVHS dance shirt will be required and the students must dress out in the dance shirt and leggings, sweats, or dance pants each day. This class can be taken instead of PE I, or PE II. It can also be an elective.

## **DANCE II**

**Prerequisite: Dance I**

**Fee: \$28 - Includes a dance shirt, lock, and costume rental fee.**

This course provides higher level dance training. It develops and extends the artistic, affective, cognitive, and psychomotor potentials of the advanced with opportunities to explore, create, organize, and evaluate a variety of dance forms. There are two dance shows required throughout the year. A PVHS dance shirt will be required and the students must dress out in the dance shirt and leggings, sweats, or dance pants each day. This class can be taken instead of PE I, or PE II. It can also be an elective.

## **DANCE III**

**Prerequisite: Dance II and instructor approval**

**Fee: \$28 - Includes a dance shirt, lock, and costume rental fee.**

This course promotes an even higher level of dance training. It develops and extends the artistic, affective, cognitive, and psychomotor potentials of the advanced student. The students are provided with opportunities to explore, create, organize and evaluate a variety of dance forms. There are two dance shows required throughout the year. A PVHS dance shirt will be required and the students must dress out in the dance shirt and leggings, sweats, or dance pants each day. This class can be taken instead of PE I, or PE II. It can also be taken as an elective.

## **HEALTH EDUCATION**

**Mandatory 9th grade rotation class / Teamed with Freshman Studies**

This half-credit course includes instruction in the structure and function of the body systems and how personal choices affect good health and total wellness. It includes instruction in the areas of nutrition, first aid, CPR qualification, stress management, medicines, drug use, alcohol, tobacco, and sex education. This class satisfies CCSD and state graduation requirements.

## **FRESHMAN STUDIES**

**9<sup>th</sup> Grade rotation class/Teamed with Health**

This one-semester course is designed for ninth grade students to provide a smooth transition into the high school setting and develop a sense of community and ownership. Emphasis will be placed on developing a long-range educational plan. This course will fulfill one elective credit required for high school graduation.

## **RHYTHMIC PRECISION COLORGUARD**

**Requirements: Monday after school practices in January, February, March, and April from 2:30-5:30. Winter Guard Competitions are in February, March and April (on Thursdays and Saturdays, dates TBD) Colorguard performs at all assemblies, pep assemblies, and some games.**

**FEES: \$300. Fundraising is available to offset fees. Money not raised through fundraising will be the responsibility of the student and parent.**

This course promotes the physical, mental, social, and emotional development of the individual in this performance-oriented program. It provides students with experiences in the physical conditioning, fundamentals of movement, performance skills, and leadership techniques while emphasizing responsibility and self-discipline. The course, which may be repeated, could include members of other groups including athletes, dancers, cheerleaders, and marching band. This course will fulfill a PE II credit or elective credit.

# Science Department

To prepare students for entry into colleges, universities, and the work force, the science department strongly recommends four years of science including natural and physical sciences. For the college-bound student, four years of science is recommended to include courses in biology, chemistry, and physics or geoscience. All science courses at Palo Verde High School are designed around a hands-on/minds-on approach as we believe that one can only learn science by doing science.

## **BIOLOGY**

### **Freshman Standing**

This one-year course is designed to integrate science and engineering practices, crosscutting concepts, and core ideas related to biology. The topics covered in Biology include Structures and Function, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, Inheritance and Variation of Traits, Natural Selection and Evolution, and Engineering Design. Demonstrations and lab experiences that employ proper safety techniques are essential to this course. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college entrance.

## **BIOLOGY HONORS**

### **Freshman Standing**

#### **Prerequisite: Teacher recommendation**

This one-year course is designed to integrate science and engineering practices, crosscutting concepts, and core ideas related to biology. This course is designated as honors level by the accelerated instructional pacing and depth of content. The topics covered in Biology Honors include Structures and Function, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, Inheritance and Variation of Traits, Natural Selection and Evolution, and Engineering Design. Demonstrations and lab experiences that employ proper safety techniques are essential to this course. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college entrance.

## **CHEMISTRY**

### **Prerequisites: Biology and Algebra I with a C or better**

This course is a math based survey of the basic concepts of chemistry. Topics covered include atomic theory and structure, elements, compounds, mixtures, periodicity of the elements, bonding, formula writing, equation balancing, energy changes in chemical equations, and the mole concept. Scientific skills of experimentation, measurement, and reporting are emphasized. A good understanding of solving algebraic equations is required. Math concepts will be reviewed in this class. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission.

## **CHEMISTRY HONORS**

### **Prerequisites: Biology H, Algebra I with a B or better and teacher recommendation**

This course is a rigorous presentation and mathematical analysis of the theory and concepts of chemistry. It covers the same topics as Chemistry. Students planning to study science, engineering, medicine, etc. in college should take this course. Emphasis is on synthesis, analysis, and evaluation of information covered in the textbook, in class discussions and in the laboratory. A scientific project may be required in this course.

This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission.

## **GEOSCIENCE**

### **Prerequisites: Biology**

This one-year course is designed to integrate science and engineering practices, crosscutting concepts, and core ideas related to Earth and space science. The topics covered in Geoscience include Space Systems, History of Earth, Earth's Systems, Weather and Climate, Human Sustainability, and Engineering Design. Demonstrations and lab experiences that employ proper safety techniques are essential to this course. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college entrance.

## **PHYSICS**

### **Prerequisite: Biology and Algebra I**

This course applies the concepts of physics to explain phenomena that students observe in the everyday world. Topics include mechanics, energy, momentum, circular motion, thermodynamics, waves, sound, light and reflection, electricity, magnetism, circuits, radioactivity, and atomic physics. Great emphasis will be given to hands-on experimentation and demonstrations. Students will study engineering concepts by building bridges, roller coasters, trebuchets, and bottle rockets. Math concepts will be reviewed in this class as they apply to physics. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission.

## **PHYSICS HONORS**

### **Prerequisite: Chemistry H, Geometry H with a C or above and teacher recommendation**

This course is a one-year college-preparatory course that informs students of the basic relationships of different forms of energy through the use of mathematical concepts. Demonstrations and/or lab experiences are an integral part of this course. Topics included are scientific method, lab procedures, mathematics review, mechanics, energy, heat, energy transfer, electricity and magnetism, and atomic structure. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission.

## **PRINCIPLES OF ANATOMY AND PHYSIOLOGY HONORS**

### **Prerequisite: Biology H, Chemistry H, Algebra I and teacher recommendation**

This one-year course is a survey of the fundamentals of anatomy and physiology. This course is designed as honors level by the accelerated pacing and depth of content. Topics focus on the interrelationships of human body systems. Demonstrations and lab experiences that employ proper safety techniques are essential to this course. The appropriate use of technology is an integral part of this course. This course is designed for students who have a special interest in human anatomy and physiology and is taught at a pre-med level. This course includes integral laboratory experiences and comparative dissections that reinforce the topics covered in class. Students must be able to participate in all dissections including the dissection of a domestic cat. \*Not for science credit was deleted & moved to science section

## **AP BIOLOGY**

**Prerequisites: Two prior years of honors science and teacher recommendation. Concurrent enrollment in Extended Science Lab required. (Hours of study per week = 5)**

**\$40 Class fee to be applied towards exam**

**\*\*Note – Students who have had success in this course have previously earned C's or better in two Honors science courses.**

This is a first-year college level biology course for the advanced student in the life sciences. It is intended for the serious student who wishes to qualify for the AP Exam in Biology. Good writing skills are required. Students should expect extensive reading assignments. Additionally, there will be one lab per week; one exam, two quizzes and an essay per unit; one formal lab write-up per semester; and one research project per year. The course covers topics such as biological chemistry, cellular biology, organismal biology, genetics, and population biology. Topics are presented in-depth and are reinforced with inquiry laboratory experiences that prepare students for the Biology AP Exam. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission. This course is double-blocked with Extended Science Lab.

## AP CHEMISTRY

**Prerequisites: Two prior years of honors science and teacher recommendation. Concurrent enrollment in Extended Science Lab required. (Hours of study per week = 5)**

**\$40 Class fee to be applied towards exam**

**\*\*Note – Students who have had success in this course have previously earned B’s or better in Biology H, Chemistry H, Physics H and all honors math classes.**

This one-year course is designed to provide a comprehensive background for those students desiring an in-depth study of chemical concepts. Topics included are atomic theory and structure, chemical bonding, nuclear chemistry, gases, liquids, solids, solutions, reaction types, acids, bases, stoichiometry, equilibrium, kinetics, thermodynamics, electrochemistry, oxidation-reduction, descriptive chemistry, and an introduction to carbon chemistry. Laboratory work of a quantitative and qualitative nature is used to develop manipulative skills and reinforce topic areas. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission. This course is double-blocked with Extended Science Lab.

## AP PHYSICS 1

**Prerequisites: Two prior years of honors science and teacher recommendation. Concurrent enrollment in Extended Science Lab required. (Hours of study per week = 5)**

**\$40 Class fee to be applied towards exam**

**\*\*Note – Students who have had success in this course have previously earned B’s or better in Biology H, Chemistry H, Physics H and all honors math classes.**

*AP Physics* courses are designed to assist students in high school in gaining college credit and/or placement in Physics upon successful completion of the AP exam. The course objectives and pacing will have students prepared to take the AP exam in May. Students should have strong math skills and have an interest in exploring Science, Technology, Engineering, and Math (STEM) careers. This course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. To be fully prepared for college, students should plan to take AP Physics 1 and AP Physics 2. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship. This course is double-blocked with Extended Science Lab.

## **AP PHYSICS 2**

**Prerequisites:** AP Physics 1, Physics Honors, or IB Physics with a “B” or above and teacher recommendation. (Hours of study per week = 5)

**\$40 Class fee to be applied towards exam**

**\*\*Note – Students who have had success in this course have previously earned B’s or better in Biology H, Chemistry H, Physics H and all honors math classes.**

This course is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

## **AP PHYSICS C: MECHANICS**

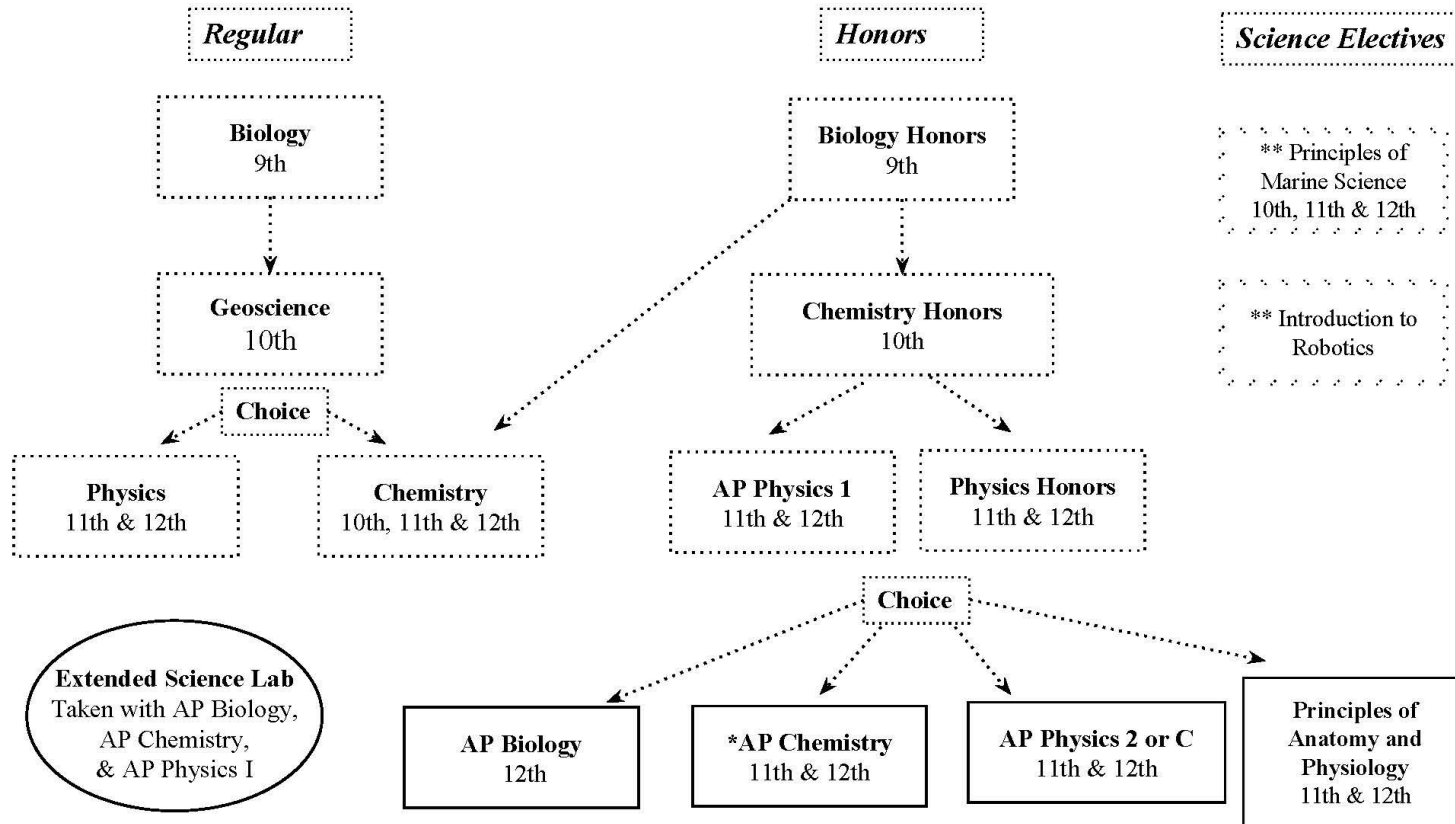
**Prerequisites:** AP Physics or Physics H and teacher recommendation. Completed or concurrently enrolled in Calculus AB/BC. (Hours of study per week = 5)

**\$40 Class fee to be applied towards exam**

**\*\*Note: Students who have had success in this course have previously earned B’s or better in the prerequisite courses listed above.**

This is a calculus-based physics course that covers kinematics, dynamics, energy, momentum, rotation, gravitation and oscillation. This course is the first of a two-course sequence that is equivalent to the introductory physics sequence taken by science and engineering students at most colleges and universities. This course fulfills one of the science credits required for high school graduation and qualifies as a laboratory science for college admission. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

# Science Course Sequence



\* AP Chemistry can be taken concurrently with AP Physics 1 or Physics Honors before 12th grade

\*\* Elective Credit Only; Does not fulfill science credit for graduation

## Social Studies Department

The courses offered by the Department of Social Studies at Palo Verde High School are designed to provide students with an opportunity to explore the political, historical, social, cultural, and economic foundations of society. Elective courses are available to enrich students' academic experience and to broaden their ability to understand human behavior and society from many perspectives.

### WORLD HISTORY

**Prerequisite: Sophomore standing**

This is a one-year course covering world history from the Renaissance to current times. Students will gain an appreciation for the geographical, social, intellectual, cultural, religious, civic, technological, and economic trends and themes that have shaped history since the Renaissance. The class fulfills the Arts/Humanities and World History requirements.

### HONORS WORLD HISTORY

**Prerequisite: Sophomore standing and teacher recommendation**

This one-year course is for motivated students interested in a deeper understanding of the geographical, social, intellectual, cultural, religious, civic, technological, and economic trends and themes that have shaped history since the Renaissance. An analytical and interpretive examination of historical events and themes is emphasized. The class fulfills the Arts/Humanities and World History requirements.

### AP WORLD HISTORY

**Prerequisite: Sophomore standing and teacher recommendation**

**\$40 Class fee to be applied towards exam**

This one-year course is for the highly-motivated students interested in a more collegiate class experience. An intensive and comprehensive review of the geographical, social, intellectual, cultural, religious, civic, technological, and economic trends and themes that have shaped human society is presented. Much of the emphasis is on the development of society over the last one thousand years. Students engage in high level analysis, interpretation, critical-thinking, and critical writing in preparation for the Advanced Placement exam in World History. The class fulfills the Arts/Humanities and World History requirements. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

### US HISTORY

**Prerequisite: Junior standing**

This one-year course examines the history of the United States in a thematic perspective from the post-Civil War period to today. An analytical examination of social, cultural, political, technological, spatial, and economic developments in US History during the twentieth and early twenty-first centuries is emphasized. Students will develop interpretive skills to examine historical events and themes. This course fulfills the US History requirement.

### HONORS US HISTORY

**Prerequisite: Junior standing and teacher recommendation**

This one-year course is for motivated students interested in a deeper understanding of the social, cultural, political, technological, spatial, and economic developments in US History during the twentieth and early twenty-first centuries. Students will develop a means to critically interpret historical events and themes, as



well as a much more detailed look at modern American history. This course fulfills the US History requirement.

### **HISTORY 101 H & 102 H (Jumpstart college credit)**

**Prerequisite: Junior standing**

**Fee: \$69.50 per semester**

101 - A survey of United States political, social, economic, diplomatic, and cultural development from colonial times to 1877. Satisfies the United States Constitution requirement.

102 - A survey of United States political, social, economic, diplomatic, and cultural development from 1877 to present. Satisfies the Nevada Constitution requirement.

### **AP US HISTORY**

**Prerequisite: Junior standing and teacher recommendation**

**\$40 Class fee to be applied towards exam**

This one-year course is for the highly-motivated students interested in a more collegiate class experience. A comprehensive understanding of the social, cultural, political, technological, spatial, and economic developments in US History is presented. Students will engage in high level analysis, interpretation, critical-thinking, and critical writing in preparation for the Advanced Placement exam in US History. This course fulfills the US History requirement. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

### **IB US HISTORY AND IB GOVERNMENT**

**Prerequisite: Junior standing and teacher recommendation**

This is a two-year mandatory Higher-Level (HL) sequence for International Baccalaureate Candidate students. IB US History is taught in the junior year, and IB US Government is taught in the senior year. The sequence meets the Clark County School District and State of Nevada requirements for US History and US Government. The course sequence is an in-depth study of an individual prescribed historical subject and the selection of two topics from the US History. Student inquiry encompasses the main developments in 20th century world history including a comprehensive understanding of the American History, with focused attention on key components of US History and the Constitutional history, institutional framework, development, and policies of the government of the United States. Thus, the IB US History and IB Government sequence provides both structure and flexibility, fostering an understanding of major historical events in a global context. It requires students to make comparisons between similar and dissimilar solutions to common human situations, whether they are political, economic or social. It invites comparisons between, but not judgments of, different cultures, political systems and national traditions. **Students are expected to take the International Baccalaureate exam at the end of this course. Students that do not take the exam will be given credit for an Honors level course on their transcript and the equivalent .025 Honors GPA bonus.**

### **US GOVERNMENT AND ECONOMICS**

**Prerequisite: Senior standing**

This one-year course is a study of United States federal, state, local, and tribal governments as well an overview of Economics. Students apply constitutional principles to assess the growth and development of the United States government and political system. Students will evaluate financial decision making, investigate how market systems work, and examine globalization. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. Effective instruction in social studies incorporates both the disciplinary skills and the content themes

and requires historical thinking, robust academic discussions and engaging writing instruction. This course fulfills the U.S. Government credit required for high school graduation.

## **HONORS US GOVERNMENT AND ECONOMICS**

**Prerequisite: Senior standing and teacher recommendation**

This one-year course is a study of United States federal, state, local, and tribal governments as well as an overview of Economics. Students apply constitutional principles to assess the growth and development of the United States government and political system. Students will evaluate financial decision making, investigate how market systems work, and examine globalization. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. Effective instruction in social studies incorporates both the disciplinary skills and the content themes and requires historical thinking, robust academic discussions and engaging writing instruction. This course is designated as honors level by the accelerated instructional pacing and depth of content. This course fulfills the U.S. Government credit required for high school graduation.

## **AP US GOVERNMENT AND POLITICS**

**Prerequisite: Senior standing and teacher recommendation**

**\$40 Class fee to be applied towards exam**

This one-year course is for motivated students seeking a college-level experience. A comprehensive review of the civic, social and economic principles that have shaped, and continue to shape, government in America is presented, along with an understanding of current American politics. Students may engage in supplementary readings, critical writing, regular seminars, and colloquium discussions on the institutions, policies, and events, both domestic and foreign, shaping government and politics in the United States. This is a college level course that may contain conversations on controversial topics. Students will be prepared for the AP US Government and Politics Exam. This course fulfills the US Government requirement. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.

## **IB GLOBAL POLITICS I AND II**

**Prerequisite: Junior standing and teacher recommendation.**

This is a two-year Higher-Level (HL) sequence for International Baccalaureate Candidate students. IB Global Politics I is taught during the junior year, and IB Global Politics II is taught in the senior year. The sequence meets the Clark County School District and State of Nevada elective requirements for social studies. Global Politics explores important political concepts such as power, equality, sustainability and peace in a range of contexts, centered on a unifying theme of “people, power, and politics.” It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies. **Students are expected to take the International Baccalaureate exam at the end of this course. Students that do not take the exam will be given credit for an Honors level course on their transcript and the equivalent .025 Honors GPA bonus.**

## World Languages Department

The study of world language adds a dimension of enrichment to the academic experience. Since languages and cultures are intertwined, studying a world language facilitates understanding of people and nations; moreover, language study helps students view their own language and culture from new perspectives.

### **FRENCH I / JAPANESE I / SPANISH I**

#### **Prerequisite: None**

This one-year course is designed to facilitate a student's acquisition of the target language at the novice-mid level as identified in the foreign language proficiency guidelines established by the American Council on the Teaching of Foreign Languages (ACTFL). The focus is communication in the target language incorporating an understanding of the target cultures, connecting with other disciplines, comparing native language to the target language, and participating in multicultural communities. The course provides practice in correct use of basic vocabulary and language structures to enable students to function effectively within realistic settings. ACTFL recommends that at least 90% of the instructional time in class be conducted in the target language. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The appropriate use of technology is an integral part of this course. This course fulfills one of the elective credits required for high school graduation.

### **FRENCH II H / JAPANESE II H / SPANISH II H**

#### **Prerequisite: Passing grade in the Level I course.**

These second-year courses continue the development of proficiency in the four basic skills of listening, speaking, reading and writing. Emphasis is on communication in the target language at the intermediate level in real-life situations. Students will expand knowledge of vocabulary and continue to explore the cultural diversity of the target cultures. This course will require daily study, drill, and written exercises as needed for more advanced grammar structures and concepts and their use.

### **FRENCH III H / JAPANESE III H / SPANISH III H**

#### **Prerequisite: Grade of C or better in both semesters of the Level II course and teacher recommendation.**

These third-year courses are designed for the student to achieve a greater degree of proficiency in the target language. Emphasis is on communication in authentic oral and written contexts, as well as the four skills of listening, speaking, reading, and writing. Students will further expand knowledge of language structures, vocabulary, and culture. Reading for understanding is required through the offerings of short stories and passages from novels and other works.

### **FRENCH IV H / JAPANESE IV H / SPANISH IV H**

#### **Prerequisite: Teacher recommendation**

#### **Fee: \$20 (French)**

These are college-level courses designed to raise the level of proficiency in all areas: listening, speaking, reading and writing. They require extensive study and preparation and will broaden the knowledge and command of the target language. The focus is increased fluency and communication at a more abstract and complex level for use in the global community. Students will continue to expand knowledge of previously introduced and more advanced language structures and concepts, vocabulary, culture, history and literature.

## **FRENCH V H / JAPANESE V H**

**Prerequisite: Teacher recommendation**

**Fee: \$20 (French)**

These are college-level courses designed to expand the knowledge of French, Spanish, and German language and literature. Students will read selections from famous authors, poets, and playwrights as well as periodicals and other media in the target language. The literature read and discussed will enhance students' cultural and historical insight. Students will continue to reinforce and expand previously introduced language structures, vocabulary, history, and culture. More time will be devoted to self-expression in writing and oral communication. Students will focus on fluency, accurate pronunciation and intonation in the target language and will prepare to take the AP exam.

## **AP FRENCH / AP JAPANESE / AP SPANISH**

**Prerequisite: Teacher recommendation**

**Fee: \$20 (French)**

**\$40 Class fee to be applied towards exam**

This one-year course is designed with an emphasis on meeting the requirements of the College Board Advanced Placement AP Language examinations. This college-level curriculum prepares students to use the three modes of communication (interpersonal, interpretive, and presentational) in the Intermediate to Pre-Advanced range as described in the American Council on the Teaching of Foreign Languages (ACTFL) Performance Guidelines for K-12 Learners. This course engages students in an exploration of culture in both contemporary and historical contexts. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfills either one of the elective credits or the Arts/Humanities credit required for high school graduation. **Students are expected to take the Advanced Placement exam at the end of this course.** See your school counselor if you have a financial hardship.