

PINECREST ACADEMY
SLOAN CANYON

**HIGH SCHOOL
COURSE
CATALOG
2021-2022**



***Subject to Change**

Pinecrest Academy Sloan Canyon

2021-2022

Administrative Staff

Principal.....	Lisa Satory
Assistant Principal.....	Alia Rothstein
Assistant Principal.....	Stephanie Russell
Dean.....	Tina Lahr
Middle School Counselor	Yesenia Fromhart
High School Counselor.....	Jeff Doyle
College and Career Counselor.....	Brian Lindemuth

TABLE OF CONTENTS

General Information	6
Pre-Registration Information	6
Non-Discrimination Language	7
Schedule Change Policy	7
Schedule Requirements	7
Prerequisites	8
Associated Costs	8
Attendance Requirement	8
External Credit Options	8
High School Information	9
Core Enrollment Expectations	9
Matriculation	10
Four Year Academic High School Plan	10
Suggested Program Sequence	10
High School Graduation Requirements	11
College and Career Ready Diploma Requirements	11
Advanced Honors Diploma Requirements	12
Advanced Diploma Requirements	12
Standard Diploma Requirements	13
State Seal of STEM and STEAM Programs	13
Requirements for STEM Seal	13
High School Course of Action for Credit Deficient Students	14

Duplicated Course Work	14
Distinguished Courses	14
Pre-AP Program	14
Honors Courses	15
Advanced Placement Courses	15
Dual Enrollment Courses	16
Weighted Courses	16
High School Testing Requirements	16
End of Course Examinations (EOC)	16
Percentage of Final Grade	16
State Science Exam	16
ACT	17
PSAT 8/9	17
PSAT/NMSQT	17
Graduation Recognition	18
Valedictorian & Salutatorian Identification of Valedictorian(s) and Salutatorian(s)	18
Associate's Degrees	18
Honors & High Honors	18
Student Athlete	18
Athletic Eligibility Information	19
NCAA Initial Eligibility Requirements	19
NIAA Eligibility Center	19
Physical Education Waiver Requirement	20
Planning for the Future	21
Career and Technical Education Program (CTE)	21
CSN Articulated Credits	21
Community College Information	22
College & University Admission	22
College Financial Aid	22
Military Information	22
Governor Guinn Millennium Scholarship Program	23
College Entrance Tests and Course Requirements	23
COURSE DESCRIPTIONS	24
Art I	24
Art II	24
Art III	24
Anticipated Art coming soon to Pinecrest Sloan Canyon...	24
CAREER AND TECHNICAL EDUCATION	25
Aviation Technology I	26
Aviation Technology II	26
Aviation Technology III	26
Cybersecurity I	27

Cybersecurity II	27
Cybersecurity III	28
Cybercorps	28
Emergency Medical Technician (EMT) Health Science I	29
Emergency Medical Technician (EMT) Health Science II	30
Community Health Science	30
Emergency Medical Technician (EMT) Health Science III	30
ENGLISH LANGUAGE ARTS	31
Pre-AP English I Honors	31
Pre-AP English I	31
ELA 10 Honors	31
ELA 10	32
ELA 11 Honors	32
ELA 11	33
Journalism Foundations	33
Anticipated English coming soon to Pinecrest Sloan Canyon...	33
FOREIGN LANGUAGE	34
Spanish I	34
Spanish II Honors	34
Spanish III Honors	34
MATHEMATICS	35
Algebra I	35
Pre-Algebra	35
Pre-Algebra	35
Pre-AP Algebra 1	35
Geometry Honors	35
Geometry	36
Algebra II	36
Algebra II Honors	36
Precalculus Honors	37
Anticipated Mathematics coming soon to Pinecrest Sloan Canyon...	37
PERFORMING ARTS	38
The Conservatory at Sloan Canyon	38
Percussion (Beginning Band)	38
Concert Band	38
Wind Ensemble (Advanced Band)	39
Advanced Symphony Strings	39
Concert Choir	39
Audition Prep	40
World Music	40
Music in Film	40
Music History	40
PHYSICAL EDUCATION	41

Health/Financial Literacy	41
Martial Arts	41
Physical Education I	42
Physical Education II	42
Functional Fitness	42
SCIENCE	43
Pre-AP Biology Honors	43
Pre-AP Biology	43
Chemistry	44
Chemistry Honors	44
Geoscience	45
Physical Science	45
Physics	45
Physics Honors	46
SOCIAL STUDIES	46
Pre-AP World History and Geography Honors	46
Pre-AP World History and Geography	47
AP World History	47
AP U.S. History	47
U.S. History	47
AP Psychology	48
Anticipated Social Studies coming soon to Pinecrest Sloan Canyon...	48
ADDITIONAL ELECTIVES	48
AP Computer Science Principles	49
High School Robotics I	49
High School Robotics II	49
Industrial Robotics	49
Student Council	50
Study Skills	50
Anticipated Electives coming soon to Pinecrest Sloan Canyon...	50

Pinecrest Academy of Nevada Statement of Non-Discrimination

Pinecrest Academy of Nevada does not knowingly discriminate against any person on the basis of race, color, creed, religion, national or ethnic origin, sex, age, or disability in admission or access to, or treatment or participation in its programs and activities.

General Information

Pre-Registration Information

The courses in this registration guide will be offered at Pinecrest Academy for the 2021-2022 school year. The courses listed in this guide will only be offered if an adequate number of students register for a course and if we are able to sufficiently provide staffing. If too few students enroll in a course, or we do not have the staffing required, it may be canceled, and those students will be rescheduled into their alternative elective courses. Students will not receive credit for repeating a semester of a course that they have previously passed. There are certain exceptions. See course descriptions to see which courses may be repeated for credit.

Students will be given the opportunity to request courses during a pre-registration period. Requests do not guarantee enrollment into a course. Priority registration will be given to upperclassmen and/or program parameters. **Choose classes carefully. No schedule change requests will be granted other than those governed by the Schedule Change Policy.**

In order to register effectively for classes next year, please read and follow these guidelines:

READ this entire registration guide and course catalog before you register.

DISCUSS your course selection with your parents and teachers before registration. Many courses require a teacher recommendation or prerequisite.

CHOOSE a four-year academic plan that will challenge you and give you the best preparation for your future education and employment. Consider your career interests as you make course selections. **Please keep in mind that yearlong courses mean just that – you are enrolled for an entire year. No changes will be made at the semester.** Please choose your courses carefully.

CHOOSE what electives you would like to take. Note, some elective course will require an audition, teacher recommendation, and/or application. Make alternative choices for your electives. In the event that some of your top-choice electives are filled, you will be assigned to your alternative choice(s) in the order you listed them to the greatest extent possible.

EVALUATE possible career goals using www.careeronestop.org (NVCIS) to determine post-high school education needed to meet your career interests. Research the requirements for the college/university or career goals you are considering ensuring that you are selecting appropriate courses. Review graduation requirements.

MEET individually with your counselor to discuss course selection, graduation requirements, and after high school plans.

You are responsible for notifying your counselor of summer school courses completed as soon as possible and providing transcripts for the courses that are taken off campus.

Students will be expected to remain in courses for the duration of the course. Exceptions such as graduation requirements and misplacement will be handled through the regular schedule change procedure.

Non-Discrimination Language

Pinecrest Academy of Nevada does not knowingly 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 in, 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.

Schedule Change Policy

Since much advance planning and guidance are provided for each student prior to registration, schedule changes will not be made after registration. Class changes will not be granted to accommodate a change in a student's lunch period or to request a specific instructor. Due to the State of Nevada Department of Education Guidelines, no student may change a class and receive credit after the third week of the semester. If a student is allowed to drop a class after this time, the student will receive an "F" grade in that class. Requests for schedule changes are considered during the first three weeks of the semester and are granted only for the following reasons:

- Fulfillment of graduation requirements
- Misplacement in an academic area according to ability
- Successful completion of summer school course work

Schedule Requirements

Prior to the selection of any electives, students must enroll in required courses they have failed. All students must enroll in seven courses a year. The only exceptions to this are as follows:

- High school students who play NIAA sports, not offered at Pinecrest Academy, at their zoned CCSD school may have an open 7th hour to attend required practices and/or games. Proof of participation must be submitted before an open period will be scheduled. Students with an early out for sports must provide their own transportation and leave campus as soon as their schedule is complete. External Credit Application must be submitted for a PE II waiver.
- Junior and Senior students may apply for a reduced course load if they are enrolled in the Dual Enrollment Program. However, all class periods must be consecutive. Students who qualify may request, but are not guaranteed, a late start or early dismissal. Students on a reduced schedule for Dual Enrollment must provide their own transportation and sign out when leaving campus. Seniors who meet college and career ready success guidelines are eligible for a reduced schedule. Students meeting these guidelines must submit an application during pre-registration and enroll in a minimum of four consecutive courses each semester of their senior year. Requirements for a reduced senior schedule [Per Assembly Bill 7 and 117]:
 - on track for a College and Career Ready Diploma (Advanced Diploma);
 - ACT scores of at least 18 in English and 22 in Math;
 - or SAT score of 500 in Critical Reading and 500 in Mathematics.

Prerequisites

Prerequisites are listed in the course catalog to help students and parents make the best educational decision possible. Students must meet these prerequisites to enroll in a course. Both semesters of the prerequisite course must be successfully completed. Pre-registration schedule adjustments will be made automatically should prerequisites not be met.

Associated Costs

Associated costs are charged for some elective classes where students complete special projects to be taken home. These associated costs cover the actual cost for projects. If the circumstances are such that alternatives to immediate payment of fees must be considered, please contact your child's counselor and/or teacher(s) so the school and parent can work together for a payment plan.

Attendance Requirement

With state mandated accountability, comes greater responsibility to young people. Students are required to attend all classes in which they are enrolled. Students with more than ten unexcused absences in any class may lose credit for that class at the discretion of administration.

External Credit Options

Students may earn credits beyond the regular school day by enrolling in any of the approved external programs. **All external credit options require prior approval from the school counselor and administration using the External Credit Application.**

External credits from the following programs are accepted when successfully completed in accordance with the Pinecrest Academy of Nevada's guidelines:

Dual Credit	High school credit can be earned for approved college or university courses not offered at Pinecrest Academy of Nevada. Typically, a three credit college/university course equals one unit of high school credit.
Pinecrest Distance Education Online Courses	Students may earn additional credits or retrieve credit for successful completion of online coursework. There is an associated cost for online courses.
Volunteer Service	½ an elective credit will be granted for volunteering 60 hours of time at an approved agency. Required documents must be completed and submitted.
Work Study	½ an elective credit will be granted for 270 hours of work experience time at an approved company. Required documents must be completed and submitted. A maximum of 2 credits can be earned (1 credit in 11th grade, 1 credit in 12th grade).
Physical Education II Waiver	½ an elective credit will be waived for a 60 hour activity under the direct supervision of a qualified instructor/director/coach, who is credentialed or a licensed professional in that activity. In order for the sport/activity to be approved, it must be geared toward competition and it is expected that the student will compete. See Athletic Eligibility information.

High School Information

Core Enrollment Expectations

Pinecrest Academy of Nevada strives to prepare students for success in post-secondary education and in the workforce by providing a rigorous curriculum. All high school students will be enrolled in the Core Enrollment Expectations (see table below) along with other diploma requirements. The expectations include a fourth year of math and a third year of science beyond the standard diploma requirements. The expectations are consistent with the Governor Guinn Millennium Studentship requirements, Nevada System of Higher Education (NSHE), and Nevada Revised Statute (NRS) 389.018.

CORE ENROLLMENT EXPECTATIONS	
CORE ENROLLMENT AREAS OF STUDY	UNITS
ENGLISH	4
MATHEMATICS (includes Algebra II or higher)	4
NATURAL SCIENCE	3
WORLD HISTORY	1
U.S. HISTORY	1
U.S. GOVERNMENT/ ECONOMICS	1
Total	14

*This is not a diploma. Students that do not successfully complete the Core Enrollment Expectations may still earn a diploma.

The Core Enrollment Expectations provide the following for students:

- Opens doors to workforce and postsecondary educational opportunities.
- Meets Nevada System of Higher Education (NSHE) core requirements for admission.
- Prepares students for the new Nevada State Millennium Studentship core requirements.

Nevada System of Higher Education (NSHE) core requirements for admission:

- Grade Point Average (GPA) and Core Curriculum Requirements are:
 - 3.00 GPA (weighted or weighted with Bonus Points) in the core curriculum
 - Approved NSHE Core Curriculum (4 English, 3 Math – including Algebra I or higher, 3 Natural Science, 3 Social Science & History = 13 units)

Governor Guinn Millennium Scholarship Requirements:

- GPA and Core Curriculum Requirements are:
 - 3.25 cumulative GPA (weighted or weighted with Bonus Points), 21 ACT Composite score, or 1070 combined (reading and math) SAT score and the core curriculum
 - Approved NSHE Core Curriculum (4 English, 4 Math – including Algebra II, 3 Natural Science, 3 Social Science & History = 14 units)
 - Students may not take coursework after graduation to meet Millennium Eligibility High School Graduation

Matriculation

Grade classification for high school students is determined by years in high school, not on credits earned. Students will be classified to the next grade level at the end of each school year.

Four Year Academic High School Plan

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, enrollment in dual credit, Career and Technical Education, Advanced Placement (AP), and Pre-AP 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.

Suggested Program Sequence

The suggested program sequence to meet minimum graduation requirements is listed below. Most accelerated eleventh and twelfth grade courses will be taken at CSN as part of the Dual Enrollment Program.

Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade
1. English	1. English	1. English	1. English
2. Math	2. Math	2. Math	2. Math
3. Science	3. Science	3. Science	3. U.S. Government/Economics
4. World History	4. U.S. History	4. Academy Elective	4. Academy Elective
5. PE I	5. Health/First Aide	5. Elective	5. Elective
6. Academy Elective	6. PE II	6. Elective	6. Elective
7. Elective	7. Academy Elective	7. Elective	7. Elective
8. Elective	8. Elective	8. Elective	8. Elective

High School Graduation Requirements

Each student will be working toward a state approved high school diploma. Students must meet the requirements of the minimum diploma type for graduation. Pinecrest Academy adheres to state requirements for graduation consideration.

College and Career Ready Diploma Requirements

Required Courses/Electives	Units
English	4
Mathematics (including Algebra II or higher)	4
Science	3
World History or Geography	1
U.S. History	1
U.S. Government/Economics	1
Physical Education	2
Health	½
Use of Computers	½
Arts & Humanities/CTE/JROTC	1
Electives	6
TOTAL	24

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

- Maintained at least a 3.25 GPA, on a 4.0 grading scale, weighted or unweighted
- Successfully complete at least 2 units of course work in one or more of the following:
 - Advanced placement courses;
 - International baccalaureate courses;
 - Dual-credit courses;
 - Career and technical education courses;
 - Work-based learning courses; or
 - World/foreign language courses.
- Obtain at least one of the following endorsements:
 - A college-ready endorsement. To earn a college-ready endorsement, prior to graduation from high school, a pupil must meet the benchmark test scores established by the Board of Regents of the University of Nevada that should enable a pupil to place into college-level coursework as a postsecondary student. **Currently the benchmark is an ACT score of 18 in English and 22 in mathematics.*
 - A career-ready endorsement. To earn a career-ready endorsement, prior to graduation from high school, a pupil must:
 - Achieve the designated proficiency level on a career readiness assessment selected by the State Board of Education. The State Board of Education shall designate the minimum proficiency level that must be achieved on the selected assessment; or
 - Satisfy the requirements for the issuance of a certificate pursuant to subsection 4 of NAC 389.800; or
 - Obtain an industry-recognized credential as adopted by the State Board of Education.
 - Earn a score of 50 or higher on the Armed Services Vocational Aptitude Battery (ASVAB). This exam can be taken during the sophomore or junior year.

Advanced Honors Diploma Requirements

Required Courses/Electives	Units	Honors Units
English	4	3
Mathematics (including Algebra II or higher)	4	2
Science	3	2
World History or Geography	1	2
U.S. History	1	
U.S. Government/Economics	1	
Physical Education	2	-
Health	½	-
Use of Computers	½	-
Foreign Language	2	1
Arts & Humanities/CTE/JROTC	1	2*
Electives	4	
TOTAL	24	12

*Honors electives can be core classes taken in addition to the above requirements. For example, students are only required to have 3 Honors English classes, however, if they take a fourth Honors English, that would fall into the elective category.

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

- Maintained at least a 3.25 GPA, on a 4.0 grading scale, unweighted, and a 3.85 GPA, on a 4.0 grading scale, weighted

Advanced Diploma Requirements

Required Courses/Electives	Units
English	4
Mathematics (including Algebra II or higher)	4
Science	3
World History or Geography	1
U.S. History	1
U.S. Government	1
Physical Education	2
Health	½
Use of Computers	½
Arts & Humanities/CTE/JROTC	1
Electives	6
TOTAL	24

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

- Maintained at least a 3.25 GPA, on a 4.0 grading scale, weighted or unweighted

Standard Diploma Requirements

~ Classes of 2022 & Beyond ~	
Required Courses	Units
English	4
Mathematics	3
Science	2
World History/Arts & Humanities/CTE	1
U.S. History	1
U.S. Government	1
Physical Education	2
Health	½
Use of Computers	½
College and Career Flex Credit*	2
Electives	6
Total	23

*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.

State Seal of STEM and STEAM Programs

SB 241 enacted in 2017, established the State Seal of STEM and STEAM Programs to recognize pupils who attain a high level of proficiency in science, technology, engineering, the arts and mathematics.

The Superintendent of Public Instruction shall establish a State Seal of STEM and STEAM Programs to recognize pupils who graduate from a public high school, including, without limitation, a charter school and a university school for profoundly gifted pupils, who have attained a high level of proficiency in Science, Technology, Engineering and Mathematics for a STEM seal; and students who have attained a high level of proficiency in Science, Technology, Engineering, the Arts, and Mathematics, for a STEAM seal, and shall:

- Create a State Seal of STEM and/or STEAM that may be affixed to the diploma and noted on the transcript of a pupil to recognize that the pupil has met the requirements of SB 241; and
- Deliver the State Seal of STEM and/or STEAM to each school district, charter school and university school for profoundly gifted pupils that participates in the State Seal of STEM and STEAM Programs.

Requirements for STEM Seal

Earns at least a 3.25 grade point average, on a 4.0 grading scale, or a 3.85 weighted grade point average, on a grading scale approved by the Superintendent of Public Instruction if a different grading scale is used.

Demonstrates proficiency in science, technology, engineering and mathematics by earning:

- At least 4 credits in science;
- At least 4 credits in mathematics;
- At least 1 credit in computer science, engineering, manufacturing, electronics or a career and technical education program of study in information and media technologies or skilled and technical sciences;

AND any **one** of the following:

- A score of 3 or higher on an advanced placement examination in **science**;
- A score of 4 or higher on an international baccalaureate examination in **science**;
- A score of 650 or higher on a SAT Subject Test in **science**;
- A score of 23 or higher on the ACT in **science**;
- A grade of B or higher in a college-level **science** course completed through dual enrollment; or
- A score of gold or higher on the ACT National Career Readiness Certificate; **and**

AND any **one** of the following:

- A score of 3 or higher on an advanced placement examination in **mathematics**;
- A score of 4 or higher on an international baccalaureate examination in **mathematics**;
- A score of 530 or higher on the SAT in **mathematics**;
- A score of 22 or higher on the ACT in **mathematics**;
- A grade of B or higher in a college-level **mathematics** course completed through dual enrollment; or
- A score of gold or higher on the ACT National Career Readiness Certificate.

High School Course of Action for Credit Deficient Students

Students who are credit deficient will be placed on a credit retrieval plan. This will be handled on an individual basis. Possible interventions include, but are not limited to:

- Credit acquisition in a summer program or school approved online program. The family will fund this option.
- Mandatory recovery courses in conjunction with the general requirements during their following academic year. There is no charge for this option if the needed courses are available during the school day. If the course is full or unavailable, the family will need to fund an online credit retrieval option. Additionally, after one re-attempt during the school day, students will be required to take the third attempt online and the family will fund this option.
- Students who are not on track to graduate by the end of the first semester of their fourth year of high school are encouraged to enroll in Adult Education to pursue graduation. To receive an Adult Standard Diploma signifying graduation, the student must fulfill requirements designated by the Nevada State Board of Education as outlined in the Nevada Administrative Code (NAC) 389.688.

Duplicated Course Work

A student may repeat a course but shall not receive additional credit for the repeated course (exceptions for certain electives may be approved by administration). The higher grade shall be recorded on the permanent record and the lower grade will be replaced with a repeated course notation.

Distinguished Courses

Pre-AP Program

- The Pinecrest Academy of Nevada Pre-AP Program offers consistent, high standards in focused courses that help build, strengthen, and reinforce students' content knowledge and skills.
- Pre-AP offers schools instructional frameworks and resources, student practice, and formative assessments in motivating, engaging courses that give all students the chance to become AP and college ready.

Honors Courses

- Most competitive colleges and universities consider not only students' grades, but also their academic background evidenced by courses listed on the transcript, letters of recommendation from teachers and counselors, and SAT or ACT scores.
- Enrollment in Honors courses will assist students in their preparation for college entrance exams.
- The GPA with Bonus Points is used when determining ranking in class. Students may take Honors/Advanced Placement courses even if they have not chosen to complete the requirements for the Advanced Honors Diploma.

Advanced Placement Courses

The Advanced Placement (AP) Program is a cooperative educational endeavor with the College Board in Princeton, New Jersey, for academically talented students. Through this program, students in high school take courses that have been developed with college-level material and expectations. Since the curriculum goes into more depth than the regular level courses, there is a greater opportunity for individual progress and achievement. The AP examinations are given each May. All examinations consist of an essay or problem-solving section and a series of multiple-choice questions. At the completion of the course, each student is highly encouraged to take this examination at an approximate cost of \$91.00 per exam. (Students should speak with their counselor if they have a financial hardship). Advanced Placement exams are developed by the Educational Testing Service. The College Board grades the exams and scores are given on the following basis:

- Five (5) Extremely well qualified
- Four (4) Well qualified
- Three (3) Qualified
- Two (2) Possibly qualified
- One (1) No Recommendation

The student should refer to the college catalog for the policy of the colleges he/she is planning to attend. Awarding of college credit(s) is at the discretion of each university. A score of three to five may enhance the student's opportunity for a scholarship and for university admissions.

Dual Enrollment Courses

The Dual Enrollment Program is for qualified high school students that want to get a head start on their higher education. Participating students are eligible to earn both high school and college credit simultaneously. The application process includes the following requirements:

- Students should have a minimum 2.5 GPA
- Students must be on track to graduate, passing all core classes including Algebra I and Geometry
- Students must submit all of the following by the required deadlines:
 - CSN Application
 - Pinecrest Application
 - Entrance Essay
 - Letter of Recommendation
- Students must pass the CSN Accuplacer assessment(s) with qualifying score(s).
- Click the link below to view the Dual Enrollment Correlation Guide with more information on how credit and bonus points are awarded for each CSN class:

https://docs.google.com/spreadsheets/d/1cdHZ7QUpUjHHf6lpfV7w5vCsiHV-tlQK0EKR_q6EBcc/view

Weighted Courses

Students will earn a weighted bonus point factor for successful completion of Honors, Advanced Placement (AP), and Dual Enrollment courses as follows:

- Honors (H) = 0.025 bonus points per semester
- Advanced Placement (AP) = 0.05 bonus points per semester
- Dual Credit = 0.025 bonus points per high school semester credit; approved courses only
- Effective with the class of 2020 and beyond, there is no cap on a weighted GPA

High School Testing Requirements

End of Course Examinations (EOC)

The Nevada State Board of Education has approved recommendations related to the transition from End of Course (EOC) examinations to End of Course finals as required by AB 7 from the 2017 legislative session. The EOC final will be administered in the associated courses:

- Math I–Algebra I or an equivalent course that has been state approved
- Math II–Geometry or an equivalent course that has been state approved
- ELA–English 10 or an equivalent course that has been state approved

Percentage of Final Grade

The State Board adopted a phased implementation of the minimum weight of the EOC final:

- 2020–21 School Year and Beyond: 20% of course grade.

State Science Exam

Science is a federally required exam in grades 5, 8, and high school. This exam will remain the federally reported Nevada Science assessment offered in high school. Administration of the high school Science assessment will be administered online, scored by the vendor, and reported by the vendor. The high school Science assessment is based on life science content and will be made available to accommodate district testing needs. The high school Science assessment will be a point earning measure used within the Nevada School Performance Framework.

ACT

All Nevada juniors enrolled in a Nevada high school must participate in the ACT exam.

The Nevada State Board of Education selected the ACT as Nevada's College and Career Readiness Assessment (CCR). Since this is an actual college entrance exam, results from this assessment can be submitted for college entrance by the student to their college or university of choice. The Nevada Board of Regents adopted a policy guaranteeing that students whose results on the ACT or SAT (in high school) meet specified college-ready benchmarks will be placed directly into college-level math and English courses and are exempt from being placed into remediation. ACT scores will not be used to determine graduation eligibility; however, cut scores provided by the state will determine a student's eligibility to have a reduced caseload as a senior. Participation in the ACT with Writing is required. All Nevada students who were enrolled as juniors during the ACT testing window, and seniors who have not yet taken the ACT and were enrolled during this window, will participate free of charge.

The ACT consists of multiple choice questions in four areas (English, mathematics, reading and science) and a written essay. The test will be administered at the student's school during the regular school day.

PSAT 8/9

The PSAT 8/9 helps students determine what they need to work on most so that they're ready for college when they graduate from high school—and it supports educators as they guide the way. The PSAT 8/9 tests the same skills and knowledge as the SAT, PSAT/NMSQT, and PSAT 10—in a way that makes sense for eighth and ninth graders. It measures what they're already learning, shows them whether they're on track for college, and lets them know where they need the most improvement. That means students have time to tackle these areas long before they take the SAT.

PSAT/NMSQT

Taking the PSAT in the sophomore and junior year supports the involvement of all students in the college-going process at an earlier age, while there is still time to inform instruction and learning, and increase students' readiness for college expectations. Additionally, earlier involvement in the program exposes students to a wealth of college planning and preparation tools to get and keep them actively involved in the process. The PSAT taken as a junior is used to identify National Merit Studentship Semi-finalists. All Sophomore and Junior Pinecrest Academy students will have the opportunity to take the PSAT in October. The cost is estimated at \$16 per student. Those who wish to take the exam can sign up with the school counselor in September.

Graduation Recognition

Valedictorian & Salutatorian Identification of Valedictorian(s) and Salutatorian(s)

- Valedictorian(s), students(s) with the highest grade point average (weighted GPA) in the graduating class, and Salutatorian(s), students with the second highest grade point average in the graduating cohort, will be identified as candidates at the end of the fall semester of their graduating year.
- Final Valedictorian(s) and Salutatorian(s) will be determined based on the completion of all high school credit course work.

Associate's Degrees

Graduating seniors will be given special recognition at graduation ceremonies if they earn an Associate's Degree through our Dual Enrollment Program.

Honors & High Honors

Graduating seniors will be given special recognition at graduation ceremonies if they achieve Honors or High Honors status. This will be based on the student's cumulative grade point average (weighted) from 8th grade equivalent credits through the seventh semester (first semester of the senior year). Honors status is given to students earning a 3.5 to 3.79 weighted GPA and High Honors status is given to those earning a 3.8 or higher weighted GPA.

Student Athlete

At the conclusion of each sports season, Varsity athletes are recognized for their outstanding performance in the classroom. Students participating on an Interscholastic Varsity team who earn a minimum of 3.5 Grade Point Average for the semester are eligible for this award. The grade point average for Fall athletes will be based on the previous spring semester. Winter and Spring athletes will earn a Student Athlete patch/certificate with the grade point average based on the fall semester of the current year.

Athletic Eligibility Information

NCAA Initial Eligibility Requirements

In order to participate in collegiate athletics, students must register with the NCAA at <https://web3.ncaa.org/ecwr3/>. This should be initiated in the student's junior year. NCAA Division I and Division II requires 16 core courses. See the charts below.

NCAA Division I will require 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement. Division I core GPA required to be eligible for competition is 2.300.

The Division I ACT/SAT minimum score is determined by the core GPA on the Division I sliding scale. Division II requires a minimum SAT score of 820 or ACT sum score of 68 and a core GPA of 2.0. The Division II minimum core GPA needed to be eligible for competition is 2.200. Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (<https://web3.ncaa.org/ecwr3/>). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA.

Required Courses*	Division I	Division II
English	4	3
Mathematics (Algebra I or higher)	3	2
Science (at least 1 lab science)	2	2
Additional From Above	1	3
Social Studies	2	2
Additional Core Courses**	4	4

*Remedial, special education, compensatory or related courses do not qualify for initial eligibility

**From any core area, foreign language, comparative religion or philosophy.

NIAA Eligibility Center

Every student interested in playing sports at an NAIA college, needs to register and have their eligibility to play determined. NAIA governs athletics at a group of nearly 300 smaller colleges and universities. NAIA eligibility is separate from NCAA eligibility certification and is ONLY for this different group of lower enrollment schools. Go to the NAIA website at PlayNAIA.org to register. To be eligible, students must meet the school's admission standards equal to or higher than those applied to the general student body plus meet a minimum combination of ACT or SAT scores, grade point average and/ or class rank. Additional specific eligibility guidelines are contained in Nevada Interscholastic Activities Association regulations (NAC 386.776-386.855) or visit the website at www.niaa.com.

Physical Education Waiver Requirement

A maximum on ONE credit of Physical Education II (P.E. II) Waiver credit may be earned toward graduation if a student actively participates in and completes an authorized school activity of one hundred-twenty (120) hours of participation. Students may earn P.E. II Waiver credit by two methods.

Option 1: Students may earn a P.E. II Waiver if they participate in and complete one of the school-sponsored activities/athletics listed below:

Full P.E. II Waiver (120 hours)

- Basketball
- Cheer
- Color Guard
- Cross Country
- Girls Flag Football
- Marching Band
- Girls Volleyball
- Boys Volleyball

Half P.E. II Waiver (60 hours)*

- Boys Flag Football
- Soccer
- Track & Field

*If a student completes only a half PE Waiver, they may earn their additional waiver by playing that sport again in a future year, or playing another sport from the half waiver list.

Option II: Students may also earn P.E. Waiver credit by completing 120 hours of external course work under the direct supervision of a qualified instructor or coach who is a credentialed and/or licensed professional outside of Pinecrest Academy. Use of external credit for the P.E. Waiver credit requires completion of the External Credit Application. The activity must be geared toward competition or performance-based and it is expected that the student will compete/perform in the activity. Membership in a gym does not meet this criterion. This includes those that play sports for their CCSD zoned school.

Planning for the Future

Career and Technical Education Program (CTE)

CTE College Credit provides an opportunity for Nevada students who complete a Career and Technical Education (CTE) program of study to earn college credit while still in high school. The college credit awarded is designed to give students a head start on their pathway towards completing requirements within an industry certification, certificate of achievement or an associate degree. CTE College Credit gives students the ability to minimize the repetition of similar coursework in college and save money. Credits are based on statewide articulation agreements established by each college for the CTE pathway that best aligns with the courses offered.

In order to apply eligible students must earn the State Certificate of Skill Attainment by completing the following criteria:

1. Earn a 3.0 grade point average in their CTE course sequence;
2. Pass the state end-of-program technical content assessment; and
3. Pass the state Workplace Readiness assessment for employability skills

Eligible students can apply for college credit within three (3) years of their high school graduation. The following pages list the possible credits that may be earned from the College of Southern Nevada (CSN). They are the most current as of the date of publication and are subject to change. For additional information, contact CSN.

CSN Articulated Credits

(Updated Spring 2020)

Aviation Technology

- AV 100B - Aviation Orientation (3 CR)
- AV 110B - Private Pilot Ground School (4 CR)

Cybersecurity

- CIT 114B - IT Essentials (4CR)
- CF 117B - Computer Forensics (3 CR)
- CSEC 101B - Incident Handling & Response (3 CR)
- CIT 112B - Network + (3 CR)

Emergency Medical Technician

- EMS 108B - Emergency Medical Technician Training (8 CR)
- EMS 150B - EMT Clinical Practice (1 CR)
- Limited Entry Program Point Award: Students choosing to pursue the CSN AAS Paramedic Medicine program will be awarded 1 point in the program's Limited Entry Admission Application.

Community College Information

Community colleges, sometimes called junior colleges, offer two-year programs which lead to an Associate of Arts or Science Degree and/or a Certificate of Achievement. A high school diploma or its equivalent is recommended for admission.

College & University Admission

Students planning to go to college should take a rigorous course of study throughout high school. Minimum graduation requirements may not qualify students for admission to the college of their choice. For information concerning specific admission requirements, students and their parents should consult their guidance counselor, university websites, and/or college catalogs. Students should utilize their counselor for complete and thorough college and career planning.

College Financial Aid

Listed below are four basic types of financial aid available to help defray the costs of college education. This is a very general outline on financial aid. For information on specific studentships or programs, please contact your counselor.

Scholarships are monetary awards the student earns and does not have to repay. The student's high school courses (including AP and Honors courses), grade point average, financial need, and college entrance examination scores (ACT, SAT), and essays weigh heavily in determining recipients.

Grants are monetary awards based on need. Need is determined from information on the Free Application for Federal Student Aid (FAFSA). Grants need not be repaid.

Work study is employment on or near campus on a part-time basis. Often the university or college makes an effort to place the student in a job related to his/her major. Student Loans are low-interest monies students can borrow to attend college. A loan must be repaid.

Military Information

Military personnel visit the Pinecrest Academy campus during the school year. Generally, all of the armed service branches have representatives available to answer student questions regarding a potential career in the military. Pinecrest Academy's counselors can also provide information to interested students. The ASVAB test is an optional exam utilized by the military to assess student interests, abilities, and aptitude for future career options.

Governor Guinn Millennium Scholarship Program

The State of Nevada's Governor Guinn Millennium Scholarship Program provides financial support to Nevada's high school graduates who plan to 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 Studentship requirements upon high school graduation, Pinecrest Academy 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 1-888-477-2667 or by visiting the website at: www.nevadatreasurer.gov. 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 matter hereto.

College Entrance Tests and Course Requirements

Most colleges and universities require the following minimum preparatory program:

- 4 credits in English
- 3 credits in Math (Algebra, Geometry, and Algebra II)
- 3 credits of lab science (Biology, Chemistry, and Physics)
- 3 credits of social studies (U.S. & World History, U.S. Govt.)
- 2 to 4 credits of World Language
- One semester course in computer literacy and one semester in Health
- Many colleges also require 1 credit in Fine Arts
- ACT and SAT Exams taken in the spring of the students junior year

COURSE DESCRIPTIONS

Art I

Art I is a yearlong course designed to provide a foundation for advanced courses. It is an introduction to the skills and understandings needed as a background for all other art courses. This course includes exploration with watercolor/acrylic paints, graffiti, colored markers/pencils, charcoal/graphite, sculpture, ceramics and mural work. Students will explore artists, museums, events, and activities in their own communities. This course is designed to connect and empower youth through exploring modern art and social issues. This course is a prerequisite for all other high school art courses.

Grade Level: 9-11 HS Credit Type: Arts & Humanities or Elective
Associated Cost: \$20 Prerequisite: None

Art II

Art II is a yearlong course advanced course for students that have completed Art 1 or equivalent. This course will explore in depth watercolor/acrylic paints, colored markers/pencils, charcoal/graphite, sculpture, ceramics mural work and interactive. Art II has a heavy emphasis on drawing and painting. Students will explore artists, museums, events, and activities in their own communities. This course is designed to connect and empower youth through exploring modern art and social issues.

Grade Level: 10-11 HS Credit Type: Arts & Humanities or Elective
Associated Cost: \$20 Prerequisite: Art I

Art III

This yearlong course is designed for the student who wishes to further develop and refine their art skills and techniques that were introduced in the previous high school art classes. This course can also be used to further develop and finalize an art portfolio for college admissions.

Grade Level: 11 HS Credit Type: Arts & Humanities or Elective
Associated Cost: \$20 Prerequisite: Art II

Anticipated Art coming soon to Pinecrest Sloan Canyon...

2022-2023

Dual Enrollment Art or Humanities Course

Grade Level: 12

CAREER AND TECHNICAL EDUCATION

CTE College Credit provides an opportunity for secondary students who complete state-approved credits in CTE to earn postsecondary credit at no cost to the student. CTE College Credit is articulated credit. The high school course work is aligned 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.
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 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.



AVIATION TECHNOLOGY - Program of Study -

Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Transportation Operations

This Academic Plan is based upon the state requirements needed for an Advanced Diploma. Academic course names may vary among school districts.

Grade	1 st Course	2 nd Course	3 rd Course	4 th Course	5 th Course	6 th Course (CTE)
9 th Grade	English I	Algebra I	Biology	Health / Computer Literacy	Physical Education	Aviation Technology I
10 th Grade	English II	Geometry	Chemistry or Geoscience	World History	Physical Education	Aviation Technology II
11 th Grade	English III	Algebra II	Science Course or Elective ¹	US History	Foreign Language ² or Elective ¹	Aviation Technology III ³
12 th Grade	English IV	Senior Level Math Course	Elective ¹	US Government	Foreign Language ² or Elective ¹	Aviation Technology Advanced Studies

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

Career and Technical Student Organizations	Work-Based Learning	CTE Assessments
SkillsUSA	Job Shadowing / Internship / Work Experience / Career Days / Career Fairs / Field Trips / Guest Speakers	1) End of Program Technical Assessment for Aviation Technology 2) Workplace Readiness Skills Assessment (for Employability Skills Standards)

Postsecondary Options	State Articulation Agreements for CTE College Credit
College of Southern Nevada / Great Basin College / Nevada State College / Truckee Meadows Community College / University of Nevada, Las Vegas / University of Nevada, Reno / Western Nevada College	Secondary Program Requirements Student must earn the state Certificate of Skill Attainment in Aviation Technology. Postsecondary Credit Options College of Southern Nevada 7 Credits

High Wage - High Skill - High Demand Careers	State Recognized Industry Certifications
Transportation Manager / Commercial Pilot / Flight Engineer / Dispatcher / Traffic Manager / Air Traffic Controller / Airfield Operations Specialist	Refer to the Governor's Office of Workforce Innovation's Nevada Eligible Industry Credentialing List

Aviation Technology I

This yearlong course is designed as an introduction to general aeronautics. It includes the study of physical mathematics, weight and balance, FAA regulations, common and special tools and measuring devices, fluid lines, hardware, aircraft servicing, and documentation (FAR Part 65). This course is also designed to expand and to prepare the prospective A&P technician for the electrical portion of the Oral and Practical exam in obtaining an FAA certified license. Provide basic information on the principles, fundamentals and technical procedures in the areas of aircraft, aerospace and aviation professions. Students will learn the history of flight, developmental trends, the principles of flight and navigation, the flight environment of an aerospace vehicle, the missions and roles of today's aerospace vehicles, the fundamentals of rocketry and space travel, and the physiology of flight. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Grade Level: 9-10 HS Credit Type: CTE or Elective
Associated Cost: \$30 Prerequisite: None

Aviation Technology II

This yearlong course is a continuation of Aviation Technology I. This course provides intermediate aviation technology students with an in-depth knowledge about the systems and structures found on today's aircraft. The student will become familiar with aircraft structural materials, coverings, electrical systems, hydraulics, computer systems, environmental systems, safety equipment, control systems, power plants, and avionics. Through the knowledge gained in studying aircraft systems and structures, the student will learn the fundamentals to maintain and safely operate an aircraft. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Grade Level: 10-11 HS Credit Type: CTE or Elective
Associated Cost: \$30 Prerequisite: Successful completion of Aviation Technology I

Aviation Technology III

This yearlong course is a continuation of Aviation Technology II. This course provides advanced aviation technology students with instruction in advanced techniques and processes and will prepare the student to successfully take the FAA Part 61.105b Private Pilot Knowledge Test. Students will explore the use of robotics, programmable logic controllers, and the principles of automation and how they apply to multiple industries. This course introduces students to the principles of flight, the aircraft flight environment, aircraft performance standards, light controls, metrology, radio communications, flight planning, FAA regulations, navigation, the human body in flight, airman decision making, accident prevention, Airman Information Manual (AIM), and the fundamentals of instrument flight. This course prepares the students to take the FAA Part 61.109 Private Pilot Written Exam. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education. The appropriate use of technology and industry-standard equipment is an integral part of this course. End-of-Program Assessment & Workplace Readiness Assessment fees may apply

Grade Level: 11 HS Credit Type: CTE or Elective
Associated Cost: None Prerequisite: Successful completion of Aviation Technology II

CYBERSECURITY

- Program of Study -

Career Cluster: Information Technology

Career Pathway: Network Systems

This Academic Plan is based upon the state requirements needed for an Advanced Diploma. Academic course names may vary among school districts.

Grade	1 st Course	2 nd Course	3 rd Course	4 th Course	5 th Course	6 th Course (CTE)
9 th Grade	English I	Algebra I	Biology	Health / Computer Literacy	Physical Education	Cybersecurity I
10 th Grade	English II	Geometry	Chemistry or Geoscience	World History	Physical Education	Cybersecurity II
11 th Grade	English III	Algebra II	Science Course or Elective ¹	US History	Foreign Language ² or Elective ¹	Cybersecurity III ³
12 th Grade	English IV	Senior Level Math Course	Elective ¹	US Government	Foreign Language ² or Elective ¹	Cybersecurity Advanced Studies

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

Career and Technical Student Organizations	Work-Based Learning	CTE Assessments
FBLA / SkillsUSA	Job Shadowing / Internship / Work Experience / Career Days / Career Fairs / Field Trips / Guest Speakers	1) End of Program Technical Assessment for Cybersecurity 2) Workplace Readiness Skills Assessment (for Employability Skills Standards)

Postsecondary Options	State Articulation Agreements for CTE College Credit
College of Southern Nevada / Great Basin College / Nevada State College / Truckee Meadows Community College / University of Nevada, Las Vegas / University of Nevada, Reno / Western Nevada College	Secondary Program Requirements Student must earn the state Certificate of Skill Attainment in Cybersecurity. Postsecondary Credit Options To Be Determined

High Wage - High Skill - High Demand Careers	State Recognized Industry Certifications
IT Technician / Help Desk Support / Network Administrator / Cybersecurity Analyst / Security Architect / Cyber Strategy Analyst	Refer to the Governor's Office of Workforce Innovation's Nevada Eligible Industry Credentialing List

Cybersecurity I

This yearlong course covers the fundamentals of computer hardware and software, as well as topics in design, maintenance, and repair. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. This course prepares students for CompTIA's A+ industry certification.

Grade Level: 9-10

HS Credit Type: CTE or Elective

Associated Cost: Certification fees

Prerequisite: None

Cybersecurity II

This yearlong course is a continuation of Cybersecurity I. This course provides intermediate cybersecurity students with computer forensics and incident handling. Students will learn to develop and execute an incident response plan, document an incident, determine investigative objectives, describe methods to trace offenders and use appropriate tools for computer forensics. Methods for deciphering encrypted data and a working knowledge of hard drive configuration are also covered. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Grade Level: 10-11

HS Credit Type: CTE or Elective

Associated Cost: Certification fees

Prerequisite: Successful completion of Cybersecurity I

Cybersecurity III

This course is a continuation of Cybersecurity II. This course provides advanced cybersecurity students with the general theory of switching and routing, including virtual local-area networks (VLAN), interVLAN routing, wireless local area networks (LAN), and network troubleshooting. Upon successful completion of this course, students will be prepared for CompTIA's Networking + certification exams. 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.

Grade Level: 11-1

Associated Cost: Certification fees

HS Credit Type: CTE or Elective

Prerequisite: Successful completion of Cybersecurity II

Cybercorps

In the class students will work with the Cybersecurity teacher and the school's Computer Technician to develop a student led computer help desk.

Grade Level: 9-11

Associated Cost: none

HS Credit Type: Elective

EMERGENCY MEDICAL TECHNICIAN

- Program of Study -

Career Cluster: Health Science

Career Pathway: Therapeutic Services

This Academic Plan is based upon the state requirements needed for an Advanced Diploma. Academic course names may vary among school districts.

Grade	1 st Course	2 nd Course	3 rd Course	4 th Course	5 th Course	6 th Course (CTE)
9 th Grade	English I	Algebra I	Biology	Health / Computer Literacy	Physical Education	Elective ¹
10 th Grade	English II	Geometry	Chemistry or Geoscience	World History	Physical Education	Health Science I
11 th Grade	English III	Algebra II	Science Course or Elective ¹	US History	Foreign Language ² or Elective ¹	Health Science II - or - Emergency Medical Services
12 th Grade	English IV	Senior Level Math Course	Elective ¹	US Government	Foreign Language ² or Elective ¹	Emergency Medical Technician ³

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

Career and Technical Student Organizations	Work-Based Learning	CTE Assessments
hosa: future health professionals	Job Shadowing / Internship / Work Experience / Career Days / Career Fairs / Field Trips / Guest Speakers	1) End of Program Technical Assessment for Emergency Medical Technician 2) Workplace Readiness Skills Assessment (for Employability Skills Standards)

Postsecondary Options	State Articulation Agreements for CTE College Credit								
College of Southern Nevada / Great Basin College / Nevada State College / Truckee Meadows Community College / University of Nevada, Las Vegas / University of Nevada, Reno / Western Nevada College	<p>Secondary Program Requirements Student must earn the state Certificate of Skill Attainment in Emergency Medical Technician.</p> <p>Postsecondary Credit Options</p> <table border="0"> <tr> <td>College of Southern Nevada</td> <td>9 Credits</td> <td>Truckee Meadows Community College</td> <td>10 Credits</td> </tr> <tr> <td>Great Basin College</td> <td>7 Credits</td> <td></td> <td></td> </tr> </table>	College of Southern Nevada	9 Credits	Truckee Meadows Community College	10 Credits	Great Basin College	7 Credits		
College of Southern Nevada	9 Credits	Truckee Meadows Community College	10 Credits						
Great Basin College	7 Credits								

High Wage - High Skill - High Demand Careers	State Recognized Industry Certifications
Emergency Planning Manager / EMT / First Responder / Fire Fighter / Forest Fire Fighter / Program Specialist / Forensic Science Technician / Rescue Worker / Dispatcher	Refer to the Governor's Office of Workforce Innovation's Nevada Eligible Industry Credentialing List

Emergency Medical Technician (EMT)

Health Science I

This year-long course will introduce students to human structure and function. Areas of study include anatomy, healthcare delivery systems, medical terminology, emergency management, health information technology, and legal practices. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Grade Level: 9-10

Credit Type: CTE or Elective

Associated Cost: \$30 + Certification Fees

Prerequisite: None

Emergency Medical Technician (EMT)

Health Science II

This course is a continuation of Health Science I. This course provides advanced health science students with instruction in advanced techniques and processes. Areas of study include medical ethics, hazardous materials, and safety in the workplace, epidemiology, and green practices in healthcare. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this program, students will be prepared for entry into a medical program at the college level.

Grade Level: 10-11

Credit Type: CTE or Elective

Associated Cost: \$30 + Certification Fees

Prerequisite: Successful completion of Health Science I

Community Health Science

This course is designed to provide students with the knowledge and skills required for entry into the healthcare field. The 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 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.

Grade Level 11-12

Credit Type: CTE or elective

Associated Cost: none

Prerequisite: Successful completion of Health Science I and II

Emergency Medical Technician (EMT)

Health Science III

This course is a continuation of Health Science II or Emergency Medical Services. This course is designed for the student interested in a career in the pre-hospital emergency medical provider field. Areas of study include legal and ethical issues, patient's airway, medical and trauma assessment, and medical documentation. 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.

Grade Level: 11-12

Credit Type: CTE or Elective

Associated Cost: \$30 + Certification Fees

Prerequisite: Successful completion of Health Science II

ENGLISH LANGUAGE ARTS

Pre-AP English I Honors

This yearlong course provides instruction in the English Language Arts: reading, writing, speaking and listening, and language skills. Texts take center stage in the Pre-AP English classroom, inspiring and preparing all students for close, critical reading and analytical writing. This course trains the reader to observe the small details within a text to arrive at a deeper understanding of the whole. It also trains the reader to appreciate authors' sometimes subtle choices, developing an awareness of how words produce effects and how the conventions of the English language are used for both precision and style. As writers, students will focus first on crafting complex sentences, building this foundational skill; they will then move on to producing well-organized paragraphs and, as the year progresses, more sophisticated, longer-form analyses. The appropriate use of technology and digital media is an integral part of this year-long course. This course is designated as honors level by the accelerated instructional pacing and depth of content.

Grade Level: 9

HS Credit Type: English

Associated Cost: Novel purchase

Prerequisite: C or higher in ELA 8 Acc and qualifying diagnostic scores

Pre-AP English I

This yearlong course provides instruction in the English Language Arts: reading, writing, speaking and listening, and language skills. Texts take center stage in the Pre-AP English classroom, inspiring and preparing all students for close, critical reading and analytical writing. This course trains the reader to observe the small details within a text to arrive at a deeper understanding of the whole. It also trains the reader to appreciate authors' sometimes subtle choices, developing an awareness of how words produce effects and how the conventions of the English language are used for both precision and style. As writers, students will focus first on crafting complex sentences, building this foundational skill; they will then move on to producing well-organized paragraphs and, as the year progresses, more sophisticated, longer-form analyses. The appropriate use of technology and digital media is an integral part of this year-long course.

Grade Level: 9

HS Credit Type: English

Associated Cost: Novel purchase

Prerequisite: None

ELA 10 Honors

This yearlong course provides instruction designed for the development of critical reading, writing, speaking and listening, and media literacy skills. Students will complete activities that construct meaning and analyze and evaluate the logic and rhetorical strategies used in a variety of grade-level and above grade level print that represent a variety of genres, use recursive process writing strategies to craft various genres of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context, craft the meaning, style, and tone of oral and written communication at grade-level and higher complexity, and acquire an extensive vocabulary through reading, discussion, listening, and word study. This course is designated as honors level by the accelerated instructional pacing and depth of content.

Grade Level: 10

HS Credit Type: English

Associated Cost: Novel purchase

Prerequisite: C or higher in Pre-AP English I Honors or teacher recommendation

ELA 10

This yearlong course provides instruction designed for the development of critical reading, writing, speaking and listening, and media literacy skills. Students will complete activities that construct meaning and analyze and evaluate the logic and rhetorical strategies used in a variety of grade-level print that represent a variety of genres, use recursive process writing strategies to craft various genres of writing expressing ideas with maturity appropriate to writer, audience, purpose, and context, craft the meaning, style, and tone of oral and written communication at grade-level complexity, and acquire an extensive vocabulary through reading, discussion, listening, and word study.

Grade Level: 10 HS Credit Type: English
Associated Cost: Novel purchase Prerequisite: Pre-AP English

ELA 11 Honors

This yearlong course provides instruction designed for the development of critical reading, writing, speaking and listening, and media literacy skills. Students will complete activities that construct meaning and analyze and evaluate the logic and rhetorical strategies used in a variety of grade-level print that represent a variety of genres, use recursive process writing strategies to craft various genres of writing expressing ideas with maturity appropriate to writer, audience, purpose, and context, craft the meaning, style, and tone of oral and written communication at grade-level complexity, and acquire an extensive vocabulary through reading, discussion, listening, and word study. This course is designated as honors level by the accelerated instructional pacing and depth of content.

Grade Level: 11 HS Credit Type: English
Associated Cost: Novel purchase Prerequisite: C or higher in ELA 10 Honors or teacher recommendation

ELA 11 Honors (ENG 100 or 101 at CSN)

Students who take ENG 100 or 101 at CSN through our Dual Enrollment program will receive ELA 11 Honors credit.

Grade Level: 11 HS Credit Type: English
Prerequisite: Acceptance into dual enrollment.
Writeplacer score: 5 for ENG 100
Writeplacer score: 6 or higher for ENG 101

ELA 11

This yearlong course provides instruction designed for the development of critical reading, writing, speaking and listening, and media literacy skills. Students will complete activities that construct meaning and analyze and evaluate the logic and rhetorical strategies used in a variety of grade-level print that represent a variety of genres, use recursive process writing strategies to craft various genres of writing expressing ideas with maturity appropriate to writer, audience, purpose, and context, craft the meaning, style, and tone of oral and written communication at grade-level complexity, and acquire an extensive vocabulary through reading, discussion, listening, and word study.

Grade Level: 11 HS Credit Type: English
Associated Cost: Novel purchase Prerequisite: ELA 10

JOURNALISM FOUNDATIONS

This one-year course is designed for the study and practice of the basic elements of modern journalism with major emphasis in the gathering, writing, layout, and dissemination of news through a news magazine and website. Students will be required to participate in the production of a news magazine. 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. After school hours are sometimes required. Photography skills are encouraged.

Grade Level: 9-12

HS Credit Type: Elective

Prerequisite: C or better in English

English coming soon to Pinecrest Sloan Canyon...

2022-2023

ELA 12, ELA 12H

Dual Enrollment English Course

Grade Level: 12

FOREIGN LANGUAGE

Spanish I

This course will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. There are two main objectives to the course. Foremost is to give the students the ability to carry on a simple conversation. The second is to provide the students with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammatical concepts. **Middle school students must earn a B or better to receive high school credit.**

Grade Level: 8-11 HS Credit Type: Foreign Language, Arts & Humanities, or Elective
Associated Cost: None Prerequisite: None

Spanish II Honors

This course builds upon knowledge gained in Spanish I. This course will also reinforce the skills learned in Spanish I: listening, speaking, reading and writing. Emphasis is on improving pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency. Acquisition of functional vocabulary is expected. Students will be exposed to the past tenses, future, conditional and subjunctive mood. Students will be expected to apply them in their writing and speaking.

Grade Level: 8-11 HS Credit Type: Foreign Language, Arts & Humanities, or Elective
Associated Cost: None Prerequisite: B or higher in Spanish I or teacher recommendation

Middle school students must earn a B or better in Spanish I

Spanish III Honors

This course builds upon knowledge gained in Spanish I & II. The course is a continuation and recycling of knowledge acquired in Spanish I and Spanish II, as well as an introduction to new vocabulary, structures and expressions. Students will be expected to expand their vocabulary range to include more sophisticated terms, use advanced language expressions, verb tenses and grammatical concepts such as the past, future, and compound tenses and the subjunctive mood. Students will view Spanish language films and read selected Spanish literature.

Grade Level: 9-11 HS Credit Type: Foreign Language, Arts & Humanities, or Elective
Associated Cost: None Prerequisite: B or higher in Spanish I and II or teacher recommendation

MATHEMATICS

Pre-Algebra

This yearlong course designed for freshman-level students provides the necessary knowledge and skills to successfully complete algebra and geometry coursework. It is intended to increase mathematical fluency in problem solving, reasoning, modeling, and effective communication in the study of number, algebra, functions, geometry, and statistics. The use of technology, including calculators and computer software, is an integral part of this course. *This course does not meet the core requirements for the NCAA or the Nevada System of Higher Education (NSHE) core requirements for university admission.*

Grade Level: 9 HS Credit Type: Mathematics
Associated Cost: None Prerequisite: Non

Pre-AP Algebra 1

The yearlong Pre-AP Algebra 1 course is designed to deepen students' understanding of three big ideas: how the structure of the real number system leads to the rules of algebraic manipulation, how to use functions as a tool for modeling the world, and what information the solution(s) to a mathematical model can and cannot tell you. The framework increases clarity and provides transparency to students about the most essential knowledge and skills they will need for active, confident participation in subsequent high school courses, including Advanced Placement, as well as college coursework and postsecondary careers. The use of technology, including calculators and computer software, is an integral part of this course. A TI-84 Plus Graphing Calculator is highly recommended.

Grade Level: 9 HS Credit Type: Mathematics
Associated Cost: None Prerequisite: C or higher in Pre-Algebra and qualifying diagnostic scores

Geometry Honors

This yearlong course provides students with a rigorous study of Euclidean geometry including advanced topics. It incorporates problem solving, reasoning, modeling, and effective communication in the study of transformational geometry, trigonometry, measurement, and probability. 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 is designated as honors level by the accelerated instructional pacing and depth of content. A TI-83 or TI-84 Plus Graphing Calculator is highly recommended.

Grade Level: 9 HS Credit Type: Mathematics
Associated Cost: None Prerequisite: B or higher in 8th grade Algebra I and teacher recommendation

Geometry

This yearlong course provides students with a rigorous study of Euclidean geometry. It incorporates problem solving, reasoning, modeling, and effective communication in the study of transformational geometry, trigonometry, measurement, and probability. 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. A TI-83 or TI-84 Plus Graphing Calculator is highly recommended.

Grade Level: 10 HS Credit Type: Mathematics
Associated Cost: None Prerequisite: Algebra I or Pre-AP Algebra I

Algebra II

This yearlong course in algebra continues and expands upon the concepts and procedures learned in Algebra I. It has the primary goal to develop competence in using variables and functions to model numerical patterns and quantitative relations. Emphasis is on the study of polynomial, rational, exponential, and logarithmic functions, systems of equations and inequalities, matrix arithmetic, and sequences and series. Connections to other areas of mathematics and applications to other disciplines are integrated into the course. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The use of technology, including graphing calculators and computer software, is an integral part of this course. A TI-84 Plus Graphing Calculator is highly recommended

Grade Level: 10, 11 HS Credit Type: Mathematics
Associated Cost: None Prerequisite: Geometry

Algebra II Honors

This yearlong course in algebra continues and expands upon the concepts and procedures that were learned in Algebra I. It has the primary goal to develop competence in using variables and functions to model numerical patterns and quantitative relations. Emphasis is on the study of polynomial, rational, exponential, and logarithmic functions, systems of equations and inequalities, matrix arithmetic, and sequences and series. Connections to other areas of mathematics and applications to other disciplines are integrated into the course. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The use of technology, including graphing calculators and computer software, is an integral part of this course. This course is designated as honors level by the accelerated instructional pacing and depth of content. A TI-83 or TI-84 Plus Graphing Calculator is highly recommended.

Grade Level: 9-10 HS Credit Type: Mathematics
Associated Cost: None Prerequisite: C or higher in Geometry Honors and teacher recommendation

PRE-CALCULUS HONORS

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. 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 introductory concepts of calculus. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society. The use of 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.

Grade Level: 10-11 HS Credit Type: Mathematics
Prerequisite: C or higher in Algebra II H and teacher recommendation

Anticipated Mathematics coming soon to Pinecrest Sloan Canyon...

2022-2023

Math for Personal Finance

Dual Enrollment Course

Grade Level: 12

PERFORMING ARTS

The Conservatory at Sloan Canyon

The new “Conservatory at Pinecrest Academy” provides Nevada’s only advanced music training curriculum housed within a public middle school and high school. Some of Las Vegas’ most inspiring and sought after music educators are joining our ranks to provide a transformative music education to the students of Pinecrest Academy St. Rose, Inspirada, and Sloan Canyon. By design, this new system will build on the award winning STEAM features of our school and will nurture the creativity needed to prepare our students for the careers of tomorrow. Welcome to the Conservatory at Pinecrest Academy, which includes, band, choir, and string

Percussion (Beginning Band)

Students will have the opportunity to perform on the following instruments: flute, clarinet, oboe, bassoon, saxophone, trumpet, french horn, tubone, baritone/euphonium, tuba, and percussion.

Grade Level: 9-11

HS Credit Type: Arts and Humanities or Elective

Cost: \$150

Prerequisite: Audition

Concert Band

This course emphasizes preparing students to continue learning how a successful band functions and the continuation of success on their instrument of choice. Concert attendance and participation is mandatory.

Grade Level: 9-11

HS Credit Type: Arts and Humanities or elective

Associated Cost: \$150

Wind Ensemble (Advanced Band)

This ensemble is our most selective. In this yearlong class, students concentrate on advancing the development of style, articulation, pitch, dynamics, technique, advanced rhythmic patterns and tonal recognition. A progression of technical proficiency is expected. Students will play a carried repertoire of instrumental literature representing diverse genres and styles including both classical and popular music. Students will be able to identify the various ways that music conveys universal themes, i.e., contrast, conflict, or emotion. This course emphasizes preparing students to continue learning how a successful band functions and the continuation of success on their instrument of choice. Concert participation and attendance is mandatory. Students are required to provide their own instrument. Arrangements for rentals have been made through school owned rentals, and Music and Arts rentals.

Grade Level: 9-11

HS Credit Type: Arts & Humanities or Elective

Associated Cost: \$150

Prerequisite: Audition

Advanced (Symphony) Strings

In this yearlong course, students concentrate on the advancement of style, articulation, pitch, dynamics, technique, advanced rhythmic patterns, and tonal recognition that began in intermediate strings. A progression of technical proficiency is expected. Students will play a carried repertoire of advanced instrumental literature representing diverse genres and styles including both classical and popular music. Students will be able to identify the various ways music conveys universal themes, i.e., contrast, conflict, or emotion. This course emphasizes preparing students to continue learning how an advanced string orchestra functions and the continuation of success on their instrument of choice. This course is designed to prepare students for high school orchestra. Concert participation and attendance is mandatory. Students are required to provide their own instrument. Arrangements for rentals have been made through school owned rentals, and Music and Arts rentals. This course is repeatable for credit.

Grade Level: 9-11

HS Credit Type: Arts & Humanities or Elective

Associated Cost: \$150

Prerequisite: One year of Intermediate Strings and Teacher Recommendation

Concert Choir

In this yearlong class, students will have the opportunity to further hone in on these skills, and provide a challenge for musicians seeking more advanced singing opportunities. Increased emphasis will be placed on individual improvement and excellence, as well as responsibility as a part-singer. Studies include advanced implementation of languages, 3- and 4-part singing, sight-singing and music-reading, and the more in-depth study of dramatic interpretation and character. Pieces will be chosen from a broader selection of styles, ranging from standard choral and classical works to popular, madrigal, jazz and Broadway repertoire. A full-year class, each semester will culminate in a full choral performance with potential solo and small-group opportunities. Concert participation and attendance are mandatory. Other opportunities for performance may be offered throughout the year. This course is repeatable for credit.

Grade Level: 9-11

HS Credit Type: Arts & Humanities or Elective

Associated Cost: \$150

Prerequisite: None

Audition Prep

This class will allow Middle and High school students to learn about the audition process. Students will spend time on performance practice techniques regarding the historical period from which the music comes. Honor ensemble auditions, all-state, and solo and ensemble performances will drive the specialized training garnered by students. Students who are considering auditioning for performing arts programs at universities or conservatories will refine their pre-selected college audition material. Students will attend masterclasses and receive constant feedback on their auditions from leading college auditors and professionals. (Conservatory Elective)

Grade Level: 6-11

HS Credit Type: Elective

Prerequisite: Must be a conservatory student

World Music

This is an advanced investigative class focused on music from around the world as a social function rooted in local cultural contexts. Viewed through the academic lens of Ethnomusicology, the course will explore musical culture through a variety of means. Beginning with a classic cross-cultural approach, students will learn to comparatively investigate regional music and gain a working knowledge of musical practices by area (Africa, Asia, Europe, etc.), instrument, and performance realm. (1 semester, Conservatory Elective)

Grade Level: 9-11 HS Credit Type: Elective
Prerequisite: None

Music in Film

This is a general music class for students who wish to understand further the cultural, historical, and aesthetic influence in musical film and film music. This course is designed for movie buffs and novices alike. Classic musical films and film soundtracks will be discussed, watched, and listened to. Students will cover the lives and careers of film composers', directors,' and performers.'

Grade Level: 9-11 HS Credit Type: Elective
Prerequisite: None

Music History

This semester long class will foster a conceptual understanding of important western musical styles and composers from the Medieval through the Baroque through reading, score study, and aural analysis. Students will continue practice in developing listening skills needed for stylistic analysis. A major focus of this class will be to look at events and cultures that influenced musical styles and composers and to discover how the past touches and influences the present. (1 Semester, Conservatory Major Requirement)

Grade Level 9-11 HS Credit Type: Elective
Prerequisite: Non

PHYSICAL EDUCATION

Health (paired with Financial Literacy)

This one semester course examines the intricate relationships between the structural and physiological functions required for the mental, physical, social, and emotional wellness. Topics include decision making, wellness, nutrition and physical activity, body systems, substance use and abuse, communicable and noncommunicable diseases, violence prevention, safety, and consumer health. Sex education and sexually transmitted infectious disease education, within established guidelines, is an integral part of this course. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to our society.

Grade Level: 10 HS Credit Type: Health
Prerequisite: None

Martial Arts

This one-year class is open to both new and experienced martial artists. Students will learn techniques of martial arts including self-defense skills, perseverance, and discipline. Students will have the opportunity to earn belts and participate in competitions. Through participation in physical activities, students execute motor skills, movement patterns, and safety within the course. Health and skill-enhancing fitness concepts are explored through personal goal setting and self-evaluation. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. This course will fulfill a Physical Education credit or the one arts/humanities credit required for graduation.

Grade Level: 9-11 HS Credit Type: Physical Education I or II, Arts & Humanities, or Elective
Associated Cost: \$30 Prerequisite: None

Physical Education I

This yearlong course provides students the opportunity to develop a health and skill-enhancing level of physical fitness. Students engage in movement and fitness activities at moderate to vigorous levels for a minimum of 50% of the instructional time. Through participation in physical activities, students execute motor skills, movement patterns, and safety within the course. Health and skill-enhancing fitness concepts are explored through personal goal setting and self-evaluation. 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.

Grade Level: 9 HS Credit Type: Physical Education I
Associated Cost: \$0 Prerequisite: None

Physical Education II

This yearlong course provides students the opportunity to develop a health- and skill-enhancing level of physical fitness. Students engage in movement and fitness activities at moderate to vigorous levels for a minimum of 50% of the instructional time. Through participation in physical activities, students execute motor skills, movement patterns, and safety within the course. Health and skill-enhancing fitness concepts are explored through personal goal setting and self-evaluation. 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 two physical education credits required for high school graduation. This course is repeatable for credit.

Grade Level: 10-12

HS Credit Type: Physical Education II or Elective

Associated Cost: \$0

Prerequisite: Physical Education I

Functional Fitness

This yearlong course provides students the opportunity to develop a basic understanding of the principles of strength and fitness training. Students will receive instruction in a variety of lifting techniques designed to develop strength, endurance, flexibility, speed, and power.

This course is repeatable for credit.

Grade Level: 10-12

HS Credit Type: Physical Education II or Elective

Associated Cost: \$0

Prerequisite: Physical Education I

SCIENCE

Pre-AP Biology Honors

The Pre-AP Biology course emphasizes the integration of content with science practices- powerful reasoning tools that support students in analyzing the natural world around them. Pre-AP Biology helps students and teachers prioritize and focus deeply on four core areas: ecological systems, evolution, cellular systems, and genetics. Students make meaningful connections among the structures, processes, and interactions that exist across biological systems- from cells to ecological communities. Pre-AP Biology motivates students to be active participants in analyzing real-world phenomena and to collaborate productively with their peers in dialogue, investigations, and problem solving. The appropriate use of technology is an integral part of this yearlong course. This course is designated as honors level by the accelerated instructional pacing and depth of content.

Grade Level: 9

HS Credit Type: Science

Associated Cost: Science Fair Supplies

Prerequisite: C or better in accelerated 8th grade science or teacher recommendation

Pre-AP Biology

The Pre-AP Biology course emphasizes the integration of content with science practices - powerful reasoning tools that support students in analyzing the natural world around them. Pre-AP Biology helps students and teachers prioritize and focus deeply on four core areas: ecological systems, evolution, cellular systems, and genetics. Students make meaningful connections among the structures, processes, and interactions that exist across biological systems - from cells to ecological communities. Pre-AP Biology motivates students to be active participants in analyzing real-world phenomena and to collaborate productively with their peers in dialogue, investigations, and problem solving. The appropriate use of technology is an integral part of this yearlong course.

Grade Level: 9

HS Credit Type: Science

Associated Cost: Science Fair Supplies

Prerequisite: None

Chemistry

This yearlong course is designed for those students who have successfully completed Algebra I and exhibit an interest in science, especially chemistry. Topics included are mathematics of chemistry, safety, laboratory procedures, properties of matter, atomic theory and structure, mole concept, chemical bonding, nomenclature, chemical equations, stoichiometry, kinetic molecular theory, states of matter, acids-bases-salts, equilibrium, thermochemistry, polymer chemistry, nuclear chemistry, chemistry of the environment, and career opportunities. Science, Technology and Society (STS) issues will be an integral part of this course. Additional topics may include history of chemistry, biochemistry, qualitative chemistry, and research projects. 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.

Grade Level: 10,11

HS Credit Type: Science

Associated Cost: Science Fair Supplies

Prerequisite: Algebra I and Pre-AP Biology

Chemistry Honors

This yearlong course is designed for those students who have successfully completed Algebra I and exhibit an interest in science, especially chemistry. Topics included are mathematics of chemistry, safety, laboratory procedures, properties of matter, atomic theory and structure, mole concept, chemical bonding, nomenclature, chemical equations, stoichiometry, kinetic molecular theory, states of matter, acids-bases-salts, equilibrium, thermochemistry, polymer chemistry, nuclear chemistry, chemistry of the environment, and career opportunities. Science, Technology and Society (STS) issues will be an integral part of this course. Additional topics may include history of chemistry, biochemistry, qualitative chemistry, and research projects. 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 is designated as honors level by the accelerated instructional pacing and depth of content.

Grade Level: 10,11

HS Credit Type: Science

Associated Cost: Science Fair Supplies

Prerequisite: C or higher Algebra I and Pre-AP Biology Honors and teacher recommendation

Geoscience

This yearlong course is designed to integrate scientific principles related to the Earth and Space Science. Topics of this course include relationships between atmospheric processes and the water cycle, solar systems and the universe, and Earth's composition and structure. The connections between Earth's systems and everyday life are evaluated throughout this course. Demonstrations and lab experiences are an integral part of instruction. Scientific methodology and the metric system are integrated and modeled. 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.

Grade Level: 10-12

HS Credit Type: Science

Associated Cost: None

Prerequisite: Pre-AP Biology

Physical Science

This one-year course increases scientific literacy through the use of science and engineering practices, crosscutting concepts and core ideas related to physical science and earth and space science. This course is designed to provide a foundation for success in high school physical science and earth and space science courses. The topics covered include nature of matter and interactions, forces and motion, earth systems and sustainability, and space science. Demonstrations and lab experiences that employ proper safety techniques are mandatory for 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.

Grade Level: 10-11

HS Credit Type: Science

Prerequisite: Completion of Algebra and Biology

Physics I Honors

This one-year course is designed for those students who are concurrently enrolled in or have completed Algebra II H and who exhibit an interest in science. Topics included are the following: laboratory procedures, mathematics applications, safety, waves, optics, relativity, kinematics, dynamics, energy, heat, electricity and magnetism, and atomic structure. Physics is a course that uses mathematical relationships to guide students toward a greater conceptual understanding of physical concepts and processes. Demonstrations and/or lab experiences are an integral part of this course. This course is distinguished as honors level by the instructional pacing and the delivery of advanced content. 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 science credit toward high school graduation and qualifies as a laboratory science for college entrance. This course is designated as honors level by the accelerated instructional pacing and depth of content.

Grade Level: 11-12

Associated Cost: None

HS Credit Type: Science

Prerequisite: B or higher in Chemistry or Chemistry Honors and successful completion of Algebra II Honors or concurrent enrollment in Algebra II Honors.

Physics I

This one-year course is designed for those students who are currently enrolled in Algebra II or have completed Algebra II and who exhibit an interest in science. Topics included are the following: laboratory procedures, mathematics applications, laboratory safety, waves, optics, relativity, kinematics, dynamics, energy, heat, electricity and magnetism, and atomic structure. Physics is a course that informs students about the interconnectedness among different types of forces and energy transformations. Demonstrations and/or lab experiences are an integral part of this course. 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 science credits toward high school graduation and qualifies as a laboratory science for college entrance.

Grade Level: 11-12

Associated Cost: None

HS Credit Type: Science

Prerequisite: Chemistry and successful completion of Algebra II or concurrent enrollment in Algebra II

SOCIAL STUDIES

Pre-AP World History and Geography Honors

Pre-AP World History and Geography Honors focuses deeply on the concepts and skills that have maximum value for high school, college, careers, and civic life. The yearlong course builds students' essential skills and confidence and helps to prepare them for a range of AP history and social science coursework during high school. The learning model is that of a disciplinary apprenticeship, with students using the tools of the historian and geographer as sources, data, and analytical reading and writing take center stage in the classroom. In this course, students learn that historians and geographers are investigators intent on using the tools of their disciplines to uncover new evidence about the world and its inhabitants. The appropriate use of technology is an integral part of this year-long course. This course is designated as honors level by the accelerated instructional pacing and depth of content.

Concurrent enrollment in Pre-AP English 1 Honors and Pre-AP Biology Honors is required.

Grade Level: 9

HS Credit Type: World History/Geography or Arts & Humanities

Associated Cost: None

Prerequisite: *See Pre-AP English 1 Honors Prerequisite*

Pre-AP World History and Geography

Pre-AP World History and Geography focuses deeply on the concepts and skills that have maximum value for high school, college, careers, and civic life. The yearlong course builds students' essential skills and confidence and helps to prepare them for a range of AP history and social science coursework during high school, including AP Human Geography and AP World History. The learning model is that of a disciplinary apprenticeship, with students using the tools of the historian and geographer as sources, data, and analytical reading and writing take center stage in the classroom. In this course, students learn that historians and geographers are investigators intent on using the tools of their disciplines to uncover new evidence about the world and its inhabitants. The appropriate use of technology is an integral part of this year-long course. This course fulfills the World History/Geography and/or the Arts/Humanities credits required for high school graduation.

Grade Level: 9

HS Credit Type: World History/Geography or Arts & Humanities

Associated Cost: None

Prerequisite: None

AP World History

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

It is expected that students will take the AP exam in May. AP Exam estimated cost is \$94.

Grade Level: 9

HS Credit Type: U.S. History

Associated Cost: AP Exam

Prerequisite: Teacher Recommendation

AP U.S. History

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The yearlong course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.

It is expected that students will take the AP exam in May. AP Exam estimated cost is \$94.

Grade Level: 10

HS Credit Type: U.S. History

Associated Cost: AP Exam Fee

Prerequisite: C or better in AP World History or teacher recommendation

U.S. History

This yearlong course is a study of American history with an emphasis on the Modern World from 1900 to the present day. Students explore and evaluate the significant historical events and the consequences. This course provides an examination of historical themes to analyze how new events continue to shape our nation and society today. 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 the U.S. History credit required for high school graduation.

Grade Level: 10

HS Credit Type: U.S. History

Associated Cost: None

Prerequisite: None

AP Psychology

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

It is expected that students will take the AP exam in May. AP Exam estimated cost is \$94.

Grade Level: 9-10

HS Credit Type: Arts and Humanities or Elective

Associated Cost: AP Exam Fee

Prerequisites: None

Anticipated Social Studies coming soon to Pinecrest Sloan Canyon...

2022-2023

U.S. Government

Grade Level: 12

ADDITIONAL ELECTIVES

AP Computer Science Principles

The AP Computer Science Principles yearlong course introduces students to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, students will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. The AP CSP course is organized around seven big ideas, which are essential to studying computer science; creativity, abstraction, data and information, algorithms, programming, the internet, and global impact.

It is expected that students will take the AP exam in May. AP Exam estimated cost is \$94.

Grade Level: 9-11

HS Credit Type: CTE or Elective

Associated Cost: AP Exam Fee

Prerequisite: None

Environmental Science

This one-year elective course is designed to integrate the patterns and processes of the natural world and their modification by human activity, with a focus on scientific principles, concepts, and methodologies required to better understand the interrelationships of the natural world, analyze natural and man made environmental problems, evaluate the risks associated with these problems, examine solutions for preventing them, as well as identifying possible solutions.

Grade Level: 9-11

HS Credit Type: Elective

Associated Cost: \$0

Prerequisite: None

High School Robotics I

This course will involve students in the task oriented atmosphere where they build and program robotic systems in both virtual world and real world. Students will work hands-on in teams to design, build, program, troubleshoot and document their progress. Topics may include motor control, torque, friction, sensors, timing, program loops, gear ratios and alternate methods of transferring motion such as linear slides, belts and pulleys. Student designed robotic systems will often be built and programmed to complete various tasks developed by the instructor. Student designed robots may be programmed to compete in various competitions. This curriculum familiarizes students with the foundational skills needed to understand how components come together and transfer motion. We will be using VEX Robotic Design System as our platform.

Grade Level: 9-10

HS Credit Type: Elective

Associated Cost: \$150

Prerequisite: None

High School Robotics II

This course will expand on the students' understanding and use of the robotics systems and apply them to individual and group projects. Each student is required to do a group and individual project every 6 weeks. The course will cover some aspects of Computer-Aided Design (CAD), including creating an assembly structure, creating assembly and detail drawings, a parts list, rendering and animating the robot design. Students learn how to design their own part or assembly to attach to the robot and the steps required to 3D print their designs. The students have individual goals that they are trying to achieve through the process of building and programming their robots. Students will document research, build ideas, programming structures and time

tables throughout the project's duration. Student designed robots may be programmed to compete in various competitions. We will be using VEX Robotic Design System as our platform.

Grade Level: 10-11
Associated Cost: \$150

HS Credit Type: Elective
Prerequisite: B or higher in Robotics I and Application Required

Industrial Robotics

This class uses the wealth of robotics, electronics, motors, sensors, mechanical and motion components students will learn from Factory Automation concepts.

Grade Level: 9-11
Associated Cost: \$75

HS Credit Type: Elective
Prerequisite: None

Student Council

This is a one-year elective course designed to prepare students for leadership opportunities in college and in the work environment. The course offers students the opportunity to foster a variety of essential skills such as communication, organization, goal setting, collaboration, event planning, time management, public speaking and critical thinking. The purpose of the student council is to plan and implement activities that not only serve but also enrich the student body, the staff, and the community. Students will have many responsibilities outside of the school day including, but not limited to, planning and running events, fundraising, and volunteering. Students must have a C average or better to remain in this course. This course is repeatable for credit.

Grade Level: 9-11
Associated Cost: \$75

HS Credit Type: Elective
Prerequisite: 2.5 GPA and Application Required

Study Skills

Study Skills provides the tools, guidance, and mentorship for students to become successful in their core classes. An emphasis is placed on time management skills. The Study Skills teacher will check on students' grades and missing assignments providing students academic support and encouragement. Throughout the week students have time to work on homework, blended learning, and other school work. This course is repeatable for credit.

Grade Level: 9-11
Associated Cost: \$0

HS Credit Type: Elective
Prerequisite: None

Work Experience

This yearlong course is designed to provide students with an exploratory work experience which introduces them to the world of work and bridges the gap between school and work. Students gain employability skills related to the program of study by completing a minimum of 270 hours of paid work experience per semester. Students participating in this program are required to submit an application signed by their employer, as well as provide pay stubs monthly to show hours earned.

Grade Level: 11-12
Associated Cost: None

HS Credit Type: Elective
Prerequisite: Must be employed in a paying position

Anticipated Electives coming soon to Pinecrest Sloan Canyon...

2022-2023

Life Management Skills

Grade Level 11-12