Catalina Foothills High School
Tucson, Arizona

Course Guide
2020 ~ 2021

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March 18, 2020

Please check CFHS website for most current edition.
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CFHS Credit Information

Students must complete a minimum of 24 credits for graduation

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>4.0</td>
<td>English 9, English 10, English 11, and English 12</td>
</tr>
<tr>
<td>Math</td>
<td>4.0</td>
<td>Algebra 1, Geometry, Algebra 2, and additional post-Alg 2 math</td>
</tr>
<tr>
<td>Science</td>
<td>3.0</td>
<td>Biology, Chemistry, and Physics, Field, Astronomy, or Apps Biotech; or Biology, Physical Sci, and Earth/Space Sci</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4.0</td>
<td>Global Issues, Western Civ or AP Euro, US History, and Government (.5) and Economics (.5)</td>
</tr>
<tr>
<td>World Languages</td>
<td>2.0</td>
<td>Spanish or Chinese (or, if transfer, two credits of other approved language)</td>
</tr>
<tr>
<td>Fine Art or CTE</td>
<td>1.0</td>
<td>Varies</td>
</tr>
<tr>
<td>Kinetic Wellness</td>
<td>1.5</td>
<td>.5 Health, .5 Individual Fitness, and .5 PE Group Fitness</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
<td>Varies</td>
</tr>
<tr>
<td></td>
<td>24.0</td>
<td></td>
</tr>
</tbody>
</table>

Credit accepted towards CFSD graduation requirements from non-CFHS classes include credits earned through alternative courses, e.g., correspondence courses (limited to 1 credit in each of the four major subject areas of English, Math, Science, and Social Studies), online, credit recovery, and/or by passing appropriate courses at the college or university level if the courses are determined to meet or exceed standards and criteria established by the CFSD Governing Board and in accord with A.R. S. 15-701.01. The high school principal will evaluate alternative courses and approve them for credit.

Course Load: Freshmen and Sophomores must be enrolled in seven classes each semester or six classes and an assigned Study Hall. Juniors and Seniors must carry a minimum of six classes on their schedule each semester.

Course Availability: Students will be assigned to classes as space is available. Courses listed will only be offered if there is sufficient enrollment and appropriate staffing.

Course Notations:
- Prerequisite – Students must meet noted prerequisites (grade level, class completed, grade earned, other).
- Co-requisite – Students must be enrolled simultaneously in noted courses.
- Teacher Recommendation – Requires current subject teacher’s signature.
- Teacher Approval – Requires course instructor’s signature.

Schedule Changes: Every effort is made to place students into their first or second choice courses. Once school starts, student requests for schedule changes are restricted and based on the following criteria:

<table>
<thead>
<tr>
<th>ACCEPTABLE reasons for a schedule change may include:</th>
<th>UNACCEPTABLE reasons for a schedule change include, but are not limited to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Failure in a prerequisite course</td>
<td>• A free period or lunch change</td>
</tr>
<tr>
<td>• Need to add required course to graduate on time</td>
<td>• A teacher change</td>
</tr>
<tr>
<td>• Successfully completed course</td>
<td>• Unnecessary change</td>
</tr>
<tr>
<td>• Medical reasons (requires a doctor’s note)</td>
<td></td>
</tr>
</tbody>
</table>

Note: CFHS reserves the right to change student schedules for administrative reasons at any time (e.g., class leveling, etc.).

Withdrawing from a Class: If enrolled in seven classes, a student may request to withdraw from a class within the first ten days of the semester without any record on the transcript. If withdrawing after the end of the ten-day window, the student may receive a WP (Withdrawal Passing) or WF (Withdrawal Failing) on the transcript. The WP or WF will not affect the student’s grade point average but a WF will affect athletic eligibility. A withdrawal with fewer than four weeks remaining will result in an F on the transcript. Students may only withdraw from a class if they maintain the minimum course load requirement of six for-credit classes. If withdrawing from a class, the student will go into Study Hall (grade 9/10) or have a free period (grade 11/12); they may not add a different class. Students remain in and attend their scheduled classes until notified that a change has been approved or disciplinary consequences for non-attendance will apply.

Credit Recovery: Students who have received a D or an F in a required core class may retake the same class in the classroom, through CFHS Course Emporium (CFHS credit recovery), or through another approved program. (See Counselor.) Upon successful completion of the recovery coursework, the new course and grade will be entered on the transcript and the original F will be changed to an X and no longer impact the cumulative GPA. Honors/AP course grades will not be replaced by a standard course grade. Students who wish to replace a B or C are not eligible for Course Emporium.

State Assessments

AzM2 (Arizona’s Statewide Achievement Assessment): Students take English Language Arts and Math assessments spring semester of 10th grade.

AIMS Science (Arizona Instrument to Measure Standards): Students enrolled in Biology or Honors Biology will take the AIMS Science assessment spring semester.

Civics Test: Students are required to pass a state-mandated Civics test to meet graduation requirements.

Arizona Seal of Biliteracy: Optional assessment. Students who pass a designated World Languages assessment in Spanish, Mandarin Chinese (simplified or traditional), French, Hebrew, Japanese, German, Arabic, or Russian, and pass English through grade 11, will be awarded the Arizona Seal of Biliteracy on their diploma and a notation on their transcript.
Honors, Advanced Placement, and Dual Enrollment

Students have the option to participate in Standard, Honors, Advanced Placement (AP), and Dual Enrollment courses. Honors courses and Honors credit in standard classes are the two pathways available to pursue honors level work. The availability of and requirements for each path may vary depending on the discipline or program (see descriptions below).

Honors Courses

Honors courses cover a wider scope of material, in greater depth, at a faster pace than the standard courses. The more rigorous Honors courses are designed for students who are interested in the subject area, are self-motivated and independent learners, have well-developed study habits and time management skills, and generally excel academically. Students are encouraged to take the highest-level courses that are appropriate for them. Honors course requests should be made thoughtfully as students are not able to make a level change if they decide they do not like the work or the course is too hard. Students and parents must sign an Honors/AP Agreement to be placed in Honors or AP courses. Honors courses are given an additional .25 weight in the GPA calculation.

Students are not obligated to take Honors courses in all subject areas or in every year, but may choose among their interests and skill areas. A student who takes Honors Biology is not required to take Honors Chemistry. Similarly, a student who takes standard English as a freshman is not precluded from taking Honors English as a sophomore.

Honors Credit (HC)

Honors credit is available in all standard English and Social Studies courses, and in Algebra 1, and select CTE classes. Students who consistently perform at the Honors level in their coursework and assessments in these classes will be awarded Honors credit (additional .25 weight in the GPA calculation for an honors level “A”) and have an (H) designation added to their transcript.

Honors Eligibility

**English:** Students who are currently in Honors English, or who are receiving an A in standard English, are eligible for and strongly encouraged to take Honors (or AP) English. Other students interested in taking H/AP English classes may also commit to the more rigorous work. English courses at all levels award Honors credit for students in standard/non-Honors classes who consistently perform at the Honors level in their coursework and assessments.

**Social Studies:** Social Studies courses at all levels award Honors credit for students who consistently perform at the Honors level in their coursework and assessments. Separate AP courses are offered in grades 10-12 and students who understand and commit to the increased rigor may choose to take AP coursework in Social Studies.

**Math:** Students must demonstrate proficiency by earning a 3.0 both semesters in the prerequisite Honors course (or a 3.5 average in the prerequisite standard course both semesters), and earn a minimum of 3.0 on the Honors proficiency exam (given during each semester’s Final Exam Week) to be eligible for the next level Honors course. Students who do not meet one of the required data points may submit an appeal, which includes a teacher letter of recommendation. The Department Chair will convene a panel of math teachers to review appeals. Note: Algebra 1 does not have a separate Honors section but students who perform at the Honors level may earn Honors credit (HC).

**Science:** Students must earn a minimum B average in the prerequisite Honors course or an A both semesters in the prerequisite standard course to be eligible for the next level Honors course. Math skills are also important for success in science courses and there may be a math co-requisite. See specific course description for requirements.

**Spring Review:** As spring semester grades are not available at the time of course selection, math and science Honors/AP requests will be reviewed at the end of spring semester to confirm eligibility. Students who do not meet the grade eligibility or teacher recommendation requirement for Honors/AP math or science will be placed in a standard section of the course.

Note for Middle School Students Regarding Honors Coursework

Honors English 9 is open to any student who wishes to commit to the rigor of Honors coursework. Social Studies does not have a separate Honors section. Math placement will be determined by a proficiency assessment given in the spring to 8th graders. Students who take Algebra 1 as freshmen may earn Honors credit by performing at the Honors level. Orange Grove and Esperero students interested in Science Honors courses must have teacher recommendation. New-to-district students must have received an A average (no more than one quarter B) in 8th grade science.

**Note:** Grade review will occur over the summer. Placement in Honors math and science is contingent upon continued eligibility.
Advanced Placement (AP) Courses

AP Courses are college level classes, taught at the high school, which require significant reading, writing, and independent study. Courses are challenging and offered to academically motivated students who wish to pursue excellence in their studies. AP courses follow a national curriculum prescribed by the College Board that prepares students to take the Advanced Placement exam for their subject(s) in the spring. Students who do well on the AP exam may be granted credit by their college for that subject. Note: Students who take an AP class are expected to take the AP exam.

Students are expected to make informed and committed decisions prior to signing up for the course. Students and parents must sign an AP Agreement, which is a statement of understanding regarding the rigor of the coursework and commitment to the yearlong course. Students are not able to drop an AP course without extenuating circumstances and proof that everything possible has been done for success. Students may find additional AP course information at www.collegeboard.org.

Dual Enrollment (DE) Courses

Dual Enrollment (DE) courses are taught at the college level by CFHS staff and provide the opportunity for students to earn both high school and college credit. Through dual enrollment, students can take specified college-level courses at the high school during regular school hours and earn University of Arizona (UA) college credit and high school credit simultaneously. Available dual enrollment courses have been selected and approved by CFSD.

Students interested in earning college credit must register and pay reduced tuition to the UA. Scholarships are available from Pima JTED. See CFHS course instructor for more information.

CTE / JTED Courses

CFSD is a member of the Pima Joint Technical Education District (JTED). In conjunction with business and industry, JTED provides career and technical education (CTE) programs for students that focus upon both the educational and employment needs of Pima County. CTE/JTED courses provide access to state-of-the-art equipment and training programs in a variety of career pathways, offer articulated college-level credit (applicable courses only), offer the opportunity for industry certifications, and the opportunity to work at an advanced level in a variety of career areas. CFHS CTE/JTED course offerings, descriptions, and prerequisite information are listed on page 30.

Academic Service Honorary

NATIONAL HONOR SOCIETY

National Honor Society (NHS) is a national service honorary. At CFHS, students are eligible for NHS consideration if they meet and maintain the following academic standards:

- have a minimum 3.75 GPA (weighted, cumulative)
- complete a minimum of 2 Honors, AP/DE classes per year (or 1 as freshman and 3 as sophomore, and enrolled in 2 H/AP/DE designated courses per year thereafter)

Sophomores on track to earn 4 H/AP/DE credits by the end of sophomore year, and Juniors on track to earn 6 H/AP/DE credits by the end of junior year, will be invited to an NHS Information Meeting. More information about the CFHS NHS selection process can be found on the CFHS website under the Activities/Sports link.

Academic Honors / Awards

ACADEMIC LETTER

Students who meet the standards below are eligible to earn an Academic Letter / pin.

- Students must be enrolled in at least six classes that determine GPA. (A "P" grade is not used to determine grade-point average.)
- Students must be enrolled at CFHS for the first three consecutive quarters of the school year.
- Students must have a 4.0 GPA for each of the first three quarters of the school year, as identified on the school calendar.
- Students may not have a grade below a "B" at any of the first three quarters.

Students in grades 9-11 will be awarded their letter or pin during the spring Academic Awards Ceremony. Students in grade 12 who earn an Academic Letter will be recognized at the Senior Honors Ceremony in May.

SENIOR HONORS CEREMONY

Students who have a 3.75 cumulative weighted GPA after 7th semester will be invited to the Senior Honors Ceremony which is held the Monday night of graduation week. Students with 3.75-3.99 GPA will receive the CFHS Blue Award for Academic Excellence, and students with 4.0 or better will receive the CFHS Silver Award for Outstanding Academic Achievement. Seniors with a 3.75 or better are also eligible for CFHS AP Scholar (completed 5 or more AP classes), Scholar-Athlete, and Scholar-Activity recognition.

SEAL OF BILITERACY

Students who pass a designated World Languages assessment in Spanish, Mandarin Chinese (simplified or traditional), French, Hebrew, Japanese, German, Arabic, or Russian, and pass English through grade 11 will be
awarded a Seal of Biliteracy notation on their transcript and have a Seal of Biliteracy affixed to their diploma.

**HONORS DIPLOMA**

Beginning with the class of 2019, students who excel in high school coursework, as determined by GPA, and on Advanced Placement (AP) exams, as determined by AP coursework and test scores, will be awarded an Honors Diploma. To have an “Honors Diploma” seal affixed to their diploma, students must meet the following criteria:

- be enrolled as a full-time student at CFHS for both semesters of junior and senior years
- earn a weighted GPA of 4.0 or higher for each semester in grades 10-12
- complete senior year with a minimum 4.0 cumulative weighted GPA
- earn either a score of “4” or “5” on three AP exams by the end of junior year and complete a minimum of three AP exams as a senior and earn a grade of “B” or higher each semester in the respective AP classes; OR earn a score of “4” or “5” on four AP exams by the end of junior year and complete a minimum of two AP exams as a senior and earn a grade of “B” or higher each semester in the respective AP classes.

**CAPSTONE DIPLOMA**

Students who earn a score of 3 or higher on the AP Seminar Exam, the AP Research Exam, and on four other AP Exams, will receive AP Capstone Diploma recognition from The College Board.

**Honors/Advanced Placement/Dual Enrollment Credit: Transcript Notation and GPA Weight:**

Honors courses are identified by an “H” on the student’s transcript in the course title, and are weighted an additional .25 GPA points. Honors Credit courses are identified with an (H) after the grade on the student’s transcript, and are weighted with an additional .25 GPA points for the honors level “A”.

AP courses are identified by “AP” on the student’s transcript and are weighted an additional .5 GPA points.

Dual Enrollment course are identified on the student’s transcript as (DE) after the grade on the student’s transcript, and are weighted an additional .5 GPA points.

<table>
<thead>
<tr>
<th>Earned Weight</th>
<th>Standard</th>
<th>Honors Credit</th>
<th>Honors Course</th>
<th>AP/Dual Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>4.25</td>
<td>4.25</td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td>3.0</td>
<td>3.0</td>
<td>3.25</td>
<td>3.5</td>
<td></td>
</tr>
<tr>
<td>2.0</td>
<td>2.0</td>
<td>2.25</td>
<td>2.5</td>
<td></td>
</tr>
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<td>1.0</td>
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<td>1.25</td>
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<tr>
<td>0</td>
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<td>0</td>
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*Note: + and – do not affect GPA weighting.*

**CFHS Grade Scale**

CFHS has adopted a 4.0 rubric grading system for classes (as opposed to traditional 80%, 90%, etc.). The chart below reflects the relationship between rubric score and letter grade.

<table>
<thead>
<tr>
<th>Rubric Score</th>
<th>Letter Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.00-3.57</td>
<td>A+</td>
<td>Highly Proficient</td>
</tr>
<tr>
<td>3.56-3.34</td>
<td>A</td>
<td>Students who consistently perform at the Honors level (3.5 or above) will receive Honors credit designation in HC classes (English, Social Studies, designated others)</td>
</tr>
<tr>
<td>3.33-3.12</td>
<td>A-</td>
<td>Proficient</td>
</tr>
<tr>
<td>3.11-2.90</td>
<td>B+</td>
<td>Partial Proficient</td>
</tr>
<tr>
<td>2.89-2.67</td>
<td>B</td>
<td>Minimally Proficient</td>
</tr>
<tr>
<td>2.66-2.45</td>
<td>B-</td>
<td>Not Proficient</td>
</tr>
<tr>
<td>2.44-2.30</td>
<td>C+</td>
<td>Partially Proficient</td>
</tr>
<tr>
<td>2.29-2.15</td>
<td>C</td>
<td>Minimally Proficient</td>
</tr>
<tr>
<td>2.14-2.00</td>
<td>C-</td>
<td>Not Proficient</td>
</tr>
<tr>
<td>1.99-1.50</td>
<td>D</td>
<td>Proficient</td>
</tr>
<tr>
<td>1.49-0.00</td>
<td>F</td>
<td>Not Proficient</td>
</tr>
</tbody>
</table>

*Note: Students scoring in the Minimally Proficient range have significant gaps in understanding that may directly impact their ability to find success in the next course, especially in Math. It is strongly recommended that any student scoring (at any time) within the Minimally Proficient range immediately seek remediation/intervention to fill gaps in understanding before those gaps widen.*
English

Four years (4 credits) required for CFSD graduation: English 9, English 10, English 11, and English 12 (standard/HC, H, or AP options).

Honors Credit

Students may take a designated Honors course to earn Honors credit (additional .25 GPA weight).

English courses at all levels award Honors credit (additional .25 GPA weight) for students in HC classes who consistently perform at the Honors level in their coursework and assessments.

English 9: Global Perspectives #1100
This course emphasizes a wide variety of modern texts from Africa, Asia, Latin America and the Middle East. The course emphasizes reading and writing of narrative, analytical, and argumentative text, research skills and critical thinking skills, as well as the conventions of written English. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.
Grade: 9
Prerequisite: None
Credit: 1 credit, 2 semesters

Honors English 9: Global Perspectives #1103
This course emphasizes a wide variety of modern texts from Africa, Asia, Latin America and the Middle East. Students will read and analyze a variety of texts and write in response to those texts in order to gain an understanding of the world, themselves, and how to communicate effectively with others. The course emphasizes reading and writing of narrative, analytical, and argumentative text, research skills and critical thinking skills, as well as the conventions of written English. Because this is an Honors course, students will be expected to demonstrate independent learning and a more advanced level of performance. Instruction will target the Honors level learning goals.
Grade: 9
Prerequisite: None
Credit: 1 credit, 2 semesters

Humanities 9: Global Studies (English) #1111
Humanities is an interdisciplinary English and Social Studies class. The Humanities 9 curriculum encompasses all of the standards and benchmarks of both the English 9 and Global Issues 9 courses; however, the course is structured so that the content is integrated. Students will examine the history, culture, and geography of four non-European areas of the world: Africa, Asia, Middle East, and Latin America. They will study these regions through a wide variety of genres as well as primary and secondary sources. The course emphasizes analytical reading and writing of narrative and expository text, research skills, and critical thinking skills, as well as factual knowledge of geography and history, vocabulary, and the conventions of written English. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.
Grade: 9
Prerequisite: None
Co-requisite Humanities 9: Global Studies (Social Studies)
Credit: 2 credits, 2 semesters (English and Social Studies)

English 10: Western Perspectives #1120
This course emphasizes a wide variety of fiction and non-fiction texts from Western perspectives throughout history. Students read, write, and analyze expository, narrative, and argumentative texts in order to gain an understanding of the world, themselves, and how to communicate effectively with others. In this course, students are expected to develop vocabulary, write correctly in Standard English, undertake independent research, and think critically. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.
Grade: 10
Prerequisite: English 9 or Humanities 9
Credit: 1 credit, 2 semesters

Honors English 10: Western Perspectives #1123
This course emphasizes a wide variety of fiction and non-fiction texts from Western perspectives throughout history. Students read, write, and analyze expository, narrative, and argumentative texts in order to gain an understanding of the world, themselves, and how to communicate effectively with others. In this course, students are expected to develop vocabulary, write correctly in Standard English, undertake independent research, and think critically. Because this is an Honors course, students will be expected to demonstrate independent learning and a more advanced level of performance. Instruction will target the Honors level learning goals.
Grade: 10
Prerequisite: English 9 or Humanities 9
Credit: 1 credit, 2 semesters

Humanities 10: Western Studies #1131
Humanities is an interdisciplinary English and Social Studies class. The Humanities 10 curriculum encompasses all of the standards and benchmarks of both the English 10 and Western Civilization 10 courses; however, the course is structured so that the content is integrated. Students will examine the history, culture, and geography of Europe and its surroundings and the development of "Western thought." They will study these regions through a wide variety of genres: fiction, biography, philosophy, and poetry, as well as primary and secondary sources. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.
Grade: 10
Prerequisite: Humanities 9, or English 9 and Global Issues
Co-requisite Humanities 10: Western Studies (Social Studies)
Credit: 2 credits, 2 semesters (English and Social Studies)

English 11: American Perspectives #1140
Through a wide variety of texts, the course will explore significant themes and traditions in American literature. The course emphasizes analytical reading and writing of narrative and expository text, literary analysis, critical thinking skills, and oratory. In preparation for senior year and beyond, students in this class will also develop the skills to create effective job or college applications. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.
Grade: 11
Prerequisite: English 10 or Humanities 10
Credit: 1 credit, 2 semesters

Humanities 11: American Studies (English) #1151
The Humanities 11 curriculum encompasses all of the standards and benchmarks of both the English 11 and American History 11 courses; however, the course is structured so that the content is
integrated. Students will examine the history, culture, and geography of the United States of America, from the colonial era to the present. They will study the development of our country through a wide variety of genres: fiction, biography, popular culture, and poetry, as well as primary and secondary sources. The course emphasizes analytical reading and writing of narrative and expository text, literary analysis, critical thinking skills, and oratory, as well as factual knowledge of geography and history, vocabulary, and the conventions of written English. In preparation for senior year and beyond, students in this class will also develop the skills to create effective job or college applications. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.

Grade: 11
Prerequisite: Humanities 10, or English 10 and Western Civ
Co-requisite Humanities 11: American Studies (Social Studies)
Credit: 2 credits, 2 semesters (English and Social Studies)

AP English 11: Language and Composition #1154
This college-level course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. This course provides students with opportunities to write about a variety of subjects and to demonstrate an awareness of audience and purpose. Students will synthesize material from primary and secondary sources carefully in their own compositions. The overarching objective is to enable students to write effectively and confidently in their college courses across the curriculum and in their professional and personal lives. Therefore, this course emphasizes the expository, analytical and argumentative writing that forms the basis of academic and professional communication, as well as the personal and reflective writing that fosters the development of writing facility in any context. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This course prepares students to take the AP English Language and Composition Exam. Note: Students who take an AP class are expected to take the AP exam.

Grade: 11
Prerequisite: English 10
Credit: 1 credit, 2 semesters

English 12: Language and Composition HC
In English 12: Language and Composition, students read, write, and analyze narrative and expository texts. They are expected to think critically about arguments, synthesize ideas from various sources, write with an effective style and voice, undertake independent research, and use a variety of strategies to communicate with others. Students enhance their understanding of the dynamic between an author, audience, and text/subject, as well as the way standard language conventions and the resources of language contribute to effectiveness in writing. Students integrate content, thinking skills, and technology, as needed, to learn and communicate effectively. In preparation for college, career, and life-long literacy, students will read a variety of texts and write for a variety of audiences and purposes. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.

Grade: 12
Prerequisite: English 11, Humanities 11, or AP English 11
Credit: 1 credit, 2 semesters

AP English 12: Literature and Composition #1215
This college-level course engages students in the careful reading and critical analysis of literature. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit from American and British literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style, tone, and themes, as well as smaller-scale elements such as figurative language. This course prepares students to take the AP English Literature and Composition exam. Note: Students who take an AP class are expected to take the AP exam.

Grade: 12
Prerequisite: English 11
Credit: 1 credit, 2 semesters
Note: Interested seniors may take AP English 12: Literature and Composition and another English 12 class as an elective.
English Electives

Creative Writing: Art and Meaning #1301
Creative Writing: Art and Meaning is designed to shape students’ skills in using language to develop abstract ideas in their prose and poetry. Students will learn how to incorporate literary devices into their own writing, format prose and poetry, provide and incorporate feedback, and self-examine their work in order to better refine the intended themes. This course emphasizes the analytical reading of expert work in order to help students learn how to craft poetic language and complex thematic content.

Grades 10–12
Prerequisites: English 9
Credit: .5 credit, 1 semester
Course may be repeated for credit.

Creative Writing: Story Development #1302
Creative Writing: Story Development is designed to promote students’ ability to shape compelling narratives. Through the examination of expert work, students will learn how to develop interesting and original characters, write realistic and purposeful dialogue, and organize well-structured plots in order to craft engaging screenplays and short stories. This course emphasizes the process of writing through collaboration and critique of own and others’ work.

Grades 10–12
Prerequisites: English 9
Credit: .5 credit, 1 semester
Course may be repeated for credit.

Speech & Debate #1322
Speech & Debate is a course designed to give students the opportunity to acquire the skill of public speaking, with an emphasis on debate. Sophisticated oral as well as written communication and argumentation skills will be taught empowering students to take a reasoned and well-substantiated stance in affirmation or negation of a statement concerning a current issue. The course stresses the necessity of thorough research and clear organization in creating a speech and provides extensive practice in informative and persuasive speaking/argumentation with a focus on current public issues - local, national, and international - and the historical context surrounding a topic for debate. Critical thinking, research, writing, oral presentation, and teamwork will all come together in this course making students more aware of the world around them and how to expertly convey and substantiate their opinions on issues facing our world. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.

Grade: 9–12
Prerequisite: None
Credit: 1 credit, 2 semesters
Course may be repeated for credit.

English as A Second Language (ESL) #1928
The English Language Learning program is a transitional program for students who are non-English or limited-English speakers. The goal of ESL is to increase English proficiency and provide students the opportunity to strengthen their reading and writing skills. The class guides and gives tutorial support to its students. Placement of students in ESL is done through state and national testing scores, home language surveys, and teacher and counselor recommendations.

Grades 9–12
Prerequisites: Placement by assessment
Credit: 1.0 credit, 2 semesters
Course may be repeated for credit.

AP Seminar #3502
AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listen to and view speeches, broadcasts, and personal accounts; and experience artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Note: Students are assessed with two through-course performance assessment tasks and one end-of-course exam. All three assessments are summative and will be used to calculate a final AP score (using the 1-5 scale).

Grade: 11–12
Prerequisite: H English 10 (or “A” in English 10) and AP Euro (or “A” in Western Civ)
Credit: 1 credit, 2 semesters
*AP Seminar and AP Research are cross-referenced in English, Social Studies, and Science as students have different areas of interest and teachers may vary from year to year.

AP Research #3503
AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong mentored, research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic thesis paper of approximately 5,000 words and a presentation, performance, or exhibition with an oral defense.

Grade: 12
Prerequisite: AP Seminar
Credit: 1 credit, 2 semesters
*AP Seminar and AP Research are cross-referenced in English, Social Studies, and Science as students have different areas of interest and teachers may vary from year to year.

Student Leadership #7151 SC, #7152 LC, #7153 AD
Student Leadership is a course designed to give students the opportunity to study, practice, and develop individual and group leadership and organization skills. These skills include, but are not limited to, leadership roles, interpersonal relations, civic responsibility, decision-making, problem solving, and communication. Students enrolled in this course apply these skills by working with peers, school administration, and the community. This course is a hands-on approach to leadership by involving students in participatory leadership through project planning and implementation. All Student Council officers and elected class presidents and representatives serving in leadership roles are required to take this course.

Grades: 9–12
Credit: 1 credit, 2 semesters
*Student Leadership is cross-referenced in English and Social Studies.
Math

Four credits of math courses are required for CFSD graduation: Algebra 1, Geometry, Algebra 2, and one additional course/credit beyond Algebra 2.

Honors Placement in Math

To ensure that students are prepared for the highest-level math courses at CFHS, students seeking placement in Honors courses must meet the following specific requirements, called Data Points:

Honors Eligibility Requirements / Data Points

<table>
<thead>
<tr>
<th>Current Math Course</th>
<th>Semester 1 Grade</th>
<th>Semester 2 Grade</th>
<th>Semester 1 Honors Final</th>
<th>Semester 2 Honors Final</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Standard</td>
<td>3.5</td>
<td>3.5</td>
<td>3.0</td>
<td>3.0 on Honors Final</td>
</tr>
</tbody>
</table>

Note: Students in standard math must take the Honors level final during the final exam make up period.

Students who meet all academic data points will be approved for the next level Honors course.

Students who meet all but one of the academic data points may submit an appeal of placement.

- The student letter must thoroughly discuss why the required data point was not met.
- The student must explain his/her motivation for wanting to take an honors math class and what the student will do differently than they did in their current class to ensure their success in the next honors level course.
- The student must request that their teacher submit a letter of recommendation to the Department Chair as part of the appeal consideration. The teacher recommendation will be based on routinely observed and documented performance of honors level proficiency in both concepts and skills, as well as consistent work ethic.
- The Department Chair will convene a panel of math teachers to review any placement appeals. All appeal requests are due by the Wednesday after school ends and decisions will be conveyed to students/parents via email by the following Monday.

Students who meet all academic data points: Algebra 1 Essentials

Algebra 1 Essentials will focus on an understanding of the essential concepts and skills in Algebra 1. The students will use the language of algebra, its vocabulary, symbols and reasoning, to solve problems, and describe relationships and patterns. Using algebraic, numeric, and graphical representations, students will solve problems and acquire the mathematical skills necessary for Geometry and Algebra 2.

Prerequisite: Placement through proficiency assessment and teacher recommendation
Credit: 1 credit, 2 semesters

Algebra 1 HC

Algebra 1 students will use the language of algebra — its vocabulary, symbols, and reasoning — to solve problems, describe relationships and patterns, and apply algebra to represent real-life situations. Using algebraic, numerical, and graphical representations, students will use critical and creative thinking to solve problems and acquire the algebraic foundation and skills necessary for Geometry and Algebra 2. Performance expectations will be differentiated for Honors level coursework.

*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.
Credit: 1 credit, 2 semesters

Geometry

Geometry students will use the language of geometry, its vocabulary, symbols, and logic, in order to make and prove conjectures and develop an understanding of geometric principles and relationships. Using the properties of geometric figures, students will write formal proofs, solve problems involving algebra and real-life situations, and visualize and draw geometric figures.

Prerequisite: Algebra 1
Credit: 1 credit, 2 semesters

Honors Geometry

Honors Geometry students will use the language of geometry, its vocabulary, symbols, and logic, in order to make and prove conjectures and develop an understanding of geometric principles and relationships. Using the properties of geometric figures, students will write formal proofs, solve problems involving algebra and real-life situations, and visualize and draw geometric figures. Honors Geometry explores mathematical concepts at a faster pace and a greater depth than Geometry. Students in this course will study a greater breadth of geometric concepts and a more formalized approach to proof writing than students in Geometry. This rigorous course is designed to prepare students who excel in mathematics for future Honors courses.

Prerequisite: Algebra 1 and Honors placement requirements (see page 8)
Credit: 1 credit, 2 semesters

Algebra 2

Algebra 2 builds upon the concepts and skills learned in previous mathematics courses. Students will study functions and relations, with an emphasis placed on conceptual understanding, graphical representation, problem solving, modeling, and application. Trigonometric concepts are introduced, developed, and extended. This course is designed to prepare students for college-level mathematics.

Prerequisite: Algebra 1, Geometry or Honors Geometry
Credit: 1 credit, 2 semesters
Honors Algebra 2 #2241
Honors Algebra 2 with Trigonometry explores advanced algebraic concepts at a more extensive breadth, depth, and pace than in Algebra 2. Trigonometry concepts are introduced, developed, and extended to include all standards of a trigonometry course. Each topic is studied with emphasis on conceptual understanding, graphical representation and applications through the creation of mathematical models. This rigorous course is designed to prepare students who excel in mathematics for future Honors and AP courses.
Prerequisite: Geometry or Honors Geometry, and Honors placement requirements (see page 8)
Credit: 1 credit, 2 semesters

Applications of Mathematics #2364
Applications of Mathematics will further develop students’ understanding of mathematical concepts and extend problem-solving strategies and skills to apply mathematics in routine and non-routine contexts. Students will refine algebraic and trigonometric concepts studied in Algebra 2, and will be introduced to essential applications of mathematics used to make financial decisions. Units include extended applications of linear and nonlinear systems of equations, exponential growth and decay functions, trigonometric relationships, and business and finance applications. Technology, including graphing calculators (TI-84+) and spreadsheet applications, will be used to support coursework. Applications of Mathematics is designed to prepare students for the study of entry-level college mathematics and to support students’ abilities to make mathematically informed decisions relating to business and finance.
Prerequisite: Algebra 2
Credit: 1 credit, 2 semesters

Statistics and Discrete Mathematics #2365
Statistics and Discrete Mathematics is a rigorous study of statistics and discrete mathematics topics, and is designed to be beneficial to students who are interested in pursuing studies/careers in a variety of areas, including the social sciences, medical fields, business, and economics. Students will study key components of statistics such as frequency distributions, data description, probability distributions, confidence intervals, and hypothesis testing. The discrete mathematics units taught during second semester include the mathematics of voting, fair division, and graph theory. This study will prepare students for AP Statistics and/or future college level coursework in statistics.
Prerequisite: Completes Algebra 2 with 2.45 (B) or better second semester.
Credit: 1 credit, 2 semesters

Precalculus #2351
Precalculus will extend and refine algebraic and trigonometric concepts introduced and developed in Algebra 2. This course emphasizes critical and creative thinking in its design for students who wish to further their advanced algebra skills. Precalculus is taught at a level and pace to prepare students for AP Calculus AB or college coursework in Calculus.
Prerequisite: Completes Algebra 2 with 2.45 (B) or better second semester.
Credit: 1 credit, 2 semesters

Honors Precalculus #2363
Honors Precalculus will extend and refine advanced algebraic and trigonometric concepts and will introduce concepts in probability, statistics, vectors, parametrics, and polars. This course emphasizes problem solving through application and technology. This rigorous course is designed to prepare students who excel in mathematics for AP Calculus BC and AP Statistics and/or college coursework in Statistics and Calculus.
Prerequisite: Algebra 2 or Honors Algebra 2, and Honors placement requirements (see page 8)
Credit: 1 credit, 2 semesters

AP Calculus AB #2400
AP Calculus AB is a college-level course intended for students who have a thorough knowledge of college preparatory mathematics. The content of AB Calculus includes at least as much material as the standard one-semester college calculus course. AB Calculus is a course in introductory calculus designed to prepare students for the Advanced Placement Calculus AB exam, but also for higher-level college courses in mathematics. Students interested in pursuing programs in mathematical sciences, physics, chemistry, life sciences, economics, computer science, or engineering are especially encouraged to take this course. Note: Students who take an AP class are expected to take the AP exam.
Prerequisite: Precalculus or Honors Precalculus (or demonstrated proficiency on HPrecalc exemption exam)
Credit: 1 credit, 2 semesters

AP Calculus BC #2401
AP Calculus BC is a college-level course intended for students who have a thorough knowledge of college preparatory mathematics. The content of BC Calculus includes at least as much material as the standard two-semester college calculus course. BC Calculus prepares students not only for the Advanced Placement Calculus BC exam, but also for higher-level college courses in mathematics. This course emphasizes the development of mature mathematical reasoning. Students interested in pursuing programs in mathematical sciences, physics, chemistry, life sciences, economics, computer science, or engineering are especially encouraged to take this course. Note: Students who take an AP class are expected to independently study parametric and polar equations, vectors, sequences, and series to be prepared for the Calculus BC curriculum.
Credit: 1 credit, 2 semesters

AP Statistics #2402
AP Statistics is a college level course intended for students who have a thorough knowledge of college preparatory mathematics. This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This class will be beneficial to students who are interested in pursuing studies/careers in a variety of areas, including the Social Sciences, medical fields, business, and economics. Note: Students who take an AP class are expected to take the AP exam.
Prerequisite: Honors Precalculus or Statistics
Credit: 1 credit, 2 semesters

Math Lab #2006
Math Lab is designed to support and reinforce the concepts and skills required in Algebra 1, Geometry, and/or Algebra 2. Students who are identified by a current or previous teacher as needing support to meet proficiency standards may be required to enroll.
Prerequisite: Placement through proficiency assessment and teacher recommendation
Co-requisite: Concurrent enrollment in the corresponding math class
Credit: .5 elective credit, 1 semester, Pass/Fail
Course may be repeated for credit.
Science

Three years (3 credits) of laboratory science courses aligned to standards in life, physical, and earth and space sciences are required for CFSD graduation and Arizona state testing by spring of junior year.

First year (grade 9) science requirement is met by taking Biology or Honors Biology.

Second year (grade 10) science requirement may be met with Chemistry, Honors Chemistry, Chemistry: Intro to Biotechnology, or Physical Science.

Third year (grade 11) science requirement may be met with Physics, Honors Physics, Astronomy, Field Science, Applications of Biotechnology, or *Earth & Space Science. (*Coming in 2021-22.)

Interested students may take elective courses beyond the required science courses.

As is true for all subjects, students are encouraged to visit the websites of colleges of interest to review their recommended or required high school coursework. (Note: Some engineering/technical programs require a year of Physics or Honors Physics at the high school level).

Biology #4000

Biology is a laboratory course that explores the systems of the living world. Topics include structures and functions of the molecules and cells that enable life, homeostasis in living things and on the planet, inheritance and variation in traits, exchanges of matter and energy in organisms and ecosystems, interdependent relationships in ecosystems, and continuity and change in evolution. Students will apply science and engineering practices such as critical thinking, systems thinking, modeling, and experimentation. The course makes use of laboratory equipment, technological resources, and media to enhance the inquiry process. The course also emphasizes written and oral scientific argument, independent research, as well as organizational and study skills.

Grade: 9
Prerequisite: None
Credit: 1 credit, 2 semesters

Honors Biology #4010

Honors Biology is an accelerated laboratory course that explores the systems of the living world. Units of study will be taught with greater depth and breadth. Topics include structures and functions of the molecules and cells that enable life, homeostasis in living things and on the planet, inheritance and variation in traits, exchanges of matter and energy in organisms and ecosystems, interdependent relationships in ecosystems, and continuity and change in evolution. Students will apply science and engineering practices such as critical thinking, systems thinking, modeling, and experimentation. The course requires a high level of independence and application of self-directed learning strategies. Students should have strong reading comprehension and study skills, and should feel comfortable with self-guided research. By the end of the course, students will be expected to design labs and formulate arguments independently.

Grade: 9
Prerequisite: OG/EC students: Teacher recommendation based on 3.0 rubric grade; New-to-CFSD: an A average (no more than one quarter B) in 8th grade Science

Recommendations: For students with strong oral and written communication skills; strong study, note-taking and reading skills; excellent work ethic and organizational skills; a high level of independence.
Credit: 1 credit, 2 semesters

Chemistry #4110

Chemistry is a laboratory course that emphasizes essential concepts with real world applications. Students will explore topics such as structure of matter, gas laws, chemical reactions, periodicity as well as nuclear energy and global climate change through the eyes of chemical concepts. Students will learn about safe use of materials and apply reasoning skills and scientific practices as they practice lab design and conduct experiments to explain phenomenon. An emphasis on collaboration and scientific modeling combined with guided instruction will open the world of chemistry to all learning styles.

Grades: 10–11
Prerequisites: Biology, Algebra 1
Credit: 1 credit, 2 semesters

Chemistry: Intro to Biotech #4104

Chemistry: Intro to Biotech is a laboratory course that emphasizes essential chemistry concepts in an industry-based lab setting. Students will explore topics such as the structure of matter, bonding, chemical reactions, molar relationships, and periodicity, by exploring biological phenomenon using extensive laboratory techniques. Students will be engaged in activities that promote critical analysis, systems thinking, experimental design, and development of higher-level thinking skills. This course is a combination of guided instruction, collaborative learning, and laboratory design with practical applications that will enrich the learning experience of students with varied learning styles.

*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.

Grades: 10–11
Prerequisite: Biology, Algebra 1

Recommendations: For students who comprehend scientific concepts with little difficulty and demonstrate some independence and self-direction in their learning. For students who are interested in acquiring skills needed to pursue higher education or to enter workforce in careers related to biomedical and biotechnology fields.
Credit: 1 credit, 2 semesters

* This is a CTE/JTED class

Honors Chemistry #4130

Honors Chemistry is a laboratory and mathematics-based course that involves an in-depth study of complex chemical concepts. This course will evaluate molecular structure, kinetic theory of gases, acid/base equilibria, stoichiometry, organic chemistry,
thermodynamics, and quantum mechanics through mathematical models and chemical experiments. Course emphasis is on application of concepts through investigation and problem solving. This course is strongly recommended for those students who are considering AP Chemistry. A self-directed, lab-based research project will be required during second semester.

Grade: 10–11
Prerequisite: “B” or better in H Biology (or an “A” in Biology), an “A” in Algebra 1, and teacher recommendation
Credit: 1 credit, 2 semesters

### Physical Science #4135

Physical Science is a laboratory course that includes the fundamental principles of chemistry and physics with a focus on the conceptual understanding of the structure of matter and energy. Students will apply science and engineering practices such as critical thinking, modeling, experimentation, and systems thinking to investigate types, properties and structure of matter; chemical bonding and interaction; nuclear energy; wave properties; thermodynamics; electricity and magnetism; and Newton’s Laws.

Grades: 10
Prerequisite: Biology
Credit: 1 credit, 2 semesters

Note: Students who choose Physical Science as their 2nd science course must choose Earth & Space Science for their 3rd year science requirement.

### Earth & Space Science #4470

Earth & Space Science is a laboratory course that will use science and engineering practices such as critical thinking, modeling, experimentation, and systems thinking to study space, geologic structures and forces, the waters on our planet, and the atmospheric forces that shape our world. Students will explore the Earth’s spheres including the geosphere, hydrosphere, cryosphere, atmosphere, and the cycles of the Earth such as the water and carbon cycle. Students will learn about geologic time, space exploration, the solar system, and the universe.

Grade: 11
Prerequisite: Biology, Physical Science
Credit: 1 credit, 2 semesters.

*Note: Will be offered starting 2021-22.

### Physics #4230

Physics is a laboratory course that examines the interactions of matter and energy in the physical world. Students will study Newtonian mechanics including gravity, energy and momentum, as well as electricity and magnetism, and wave phenomena. Lab experiments will apply scientific and engineering practices using modern technology where applicable. Mathematics is used regularly in this course and students are expected to consistently use algebraic and graphing skills. Physics is more conceptually intensive and requires less intensive mathematical analysis than Honors Physics.

Grades: 11–12
Prerequisite: Chemistry
Prerequisite: Algebra 2 or concurrent enrollment
Credit: 1 credit, 2 semesters

### Honors Physics #4233

Honors Physics is an accelerated laboratory course that examines the interactions of matter and energy in the physical world. Students will study Newtonian mechanics, including gravity, energy and momentum, as well as electricity and magnetism, and wave phenomena. Mathematics is used extensively in this course and students are expected to consistently use algebraic and basic trigonometric skills. Lab experiments will apply scientific and engineering practices using modern technology where applicable.

Honors Physics is a mathematically intensive course that prepares students for AP and college Physics.

Grades: 11–12
Prerequisite: “B” in H Chemistry (or “A” in Chemistry), and teacher recommendation
Prerequisite Math: H Geometry or Algebra 2
Credit: 1 credit, 2 semesters

### Astronomy #4490

Astronomy is a laboratory and physics-based course that focuses on the properties and dynamics of the universe. Concepts of motion, forces of nature, energy, optics, radiation, and thermodynamics are applied to concepts in astronomy. First semester introduces students to the history and methods of observational astronomy and the study of the solar system. Second semester includes the study of the life cycle of stars, astrophysics, and cosmology. Students will make extensive use of internet sources and tools as well as in-class technology to learn how astronomers make and analyze their observations. A strong background in algebra and geometry is important, as mathematics will be a key tool to learning about physics through astronomy.

Grades: 11–12
Prerequisite: Chemistry
Credit: 1 credit, 2 semesters

### Field Science #4460

Field Science is a laboratory and inquiry-centered outdoor course that studies local environments through the physics topics of motion and stability, wave phenomena, energy and matter interactions, electricity, and magnetism. Other topics include physical geology, ecosystems, identification of local plants and animals, and using scientific and engineering field sampling and analysis methods to understand the world. Field trips to investigate local ecosystems are offered as an optional component of this course.

Grades: 11–12
Prerequisite: Chemistry
Credit: 1 credit, 2 semesters

### Applications of Biotech – UA MCB 101 #4107

Applications of Biotech is a laboratory course that emphasizes the role that biotechnology plays in research and industry. Students will apply previously developed knowledge and skills in biotechnology to an industry-based laboratory setting. The course includes topics such as recombinant DNA technology, bacterial transformations, protein identification and isolation, the human genome project, genetic ethics, and laboratory techniques in an industry-based biotechnology lab. Students will also get hands-on experiences working through experimental design and critical analysis using physics-based concepts such as motion and stability, wave phenomena, energy and matter interactions, and electricity and magnetism. Students will create an individual research project that will tie together the skills from the classroom with an investigation of their choosing, and will be given the opportunity to share their projects in a scientific environment. Optional summer internship opportunities are available for students who wish to continue performing scientific research. A large emphasis on collaborative learning and laboratory skills will enrich the learning experience of students with varied learning styles. (Students interested in earning college credit for UA MCB 101 must register and pay reduced tuition to the UA. Scholarships are available from Pima JTED. See course instructor for more information.)

Grades: 11–12
Prerequisite: “C” or better in Chemistry, H Chem, or Chem: Biotech
Credit: 1 credit, 2 semesters

* This is a CTE/JTED class.
Science Electives

NOTE: Students may take Chemistry, Honors Chemistry, Physics, Honors Physics, Field Science, Astronomy, Earth & Space Science, or Applications of Biotechnology as an elective if they have otherwise completed their three-year science requirements for CFSD diploma. Additional science electives described below.

### Anatomy & Physiology (Sports Medicine 1) #4541
Anatomy & Physiology: Sports Medicine 1 introduces students to the basics of sports medicine and rehabilitation therapies. It is a hands-on inquiry-based laboratory course that helps students discover the wonders of the human body. The structures and functions of the major body systems will be explored from a subcellular level to a multi-cellular organism level. Students will gain extensive knowledge of the human body through lecture, research and reading, and laboratory investigations, including two major dissections. They will learn the basics of anatomy and physiology, CPR, first aid, types and prevention of sports-related injuries, and rehabilitation. Students will also explore medical and allied healthcare careers. This course is a good introduction for students who are interested in a career in any healthcare pathway.

* Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.

**Grades: 10-12**
**Prerequisites:** Recommended “B” or better in Biology AND concurrently enrolled in, or completed, Chemistry or Chemistry: Intro to Biotech.
**Credit:** 1 credit, 2 semesters
* This is a CTE/JTED class

### Honors Advanced Field Science #4543
Honors Advanced Field Science is a research-based course for seniors who have demonstrated high achievement in Field Science. Major topics include how biological and physical systems interact to produce the biogeographical and geological phenomena seen in the natural world today and statistical field research. Fluency with physical processes, the taxonomy and behavior of local flora and fauna at the family and species levels, as well as expertise with science and engineering practices are critical skills applied in this course. Overnight trips to demonstrate competency in field knowledge and methods are offered as an optional component of this course.

**Grades: 12**
**Prerequisites:** Minimum “B+” average in Field Science and teacher approval
**Credit:** 1 credit, 2 semesters

### Advanced Biotech – UA MCB 102 (available 2021-22) #4108
Advanced Biotech is an advanced laboratory course utilizing the foundations of chemistry, biology, and biotechnology to study different current issues in the field. Emphasis on laboratory practices along with independent research will culminate in a self-selected research project that will be presented by the student. Options for internships in the community along with guided research mentors will enable students to apply their skills in a biotechnology lab. Students will conduct challenging experiments including isolation of muscle protein, DNA screening, designing and using PCR primers, completing microarrays to determine the differences between cancer and normal cells, and advanced isolation work using a variety of gel electrophoresis techniques.

(Students interested in earning college credit for UA MCB 102 must register and pay reduced tuition to the UA. Scholarships are available from Pima JTED. See course instructor for more information.)

**Grades: 12**
**Prerequisite:** “C” or better in Applications of Biotech

### AP Biology #4544
Advanced Placement Biology is the equivalent of an introductory college biology course usually taken by biology majors during their first year in college. AP Biology helps students develop a conceptual framework for the biological sciences based on four themes and gain an appreciation of science as a process. A wide range of topics will be covered including biochemistry and structure of cells, molecular basis of heredity, evolution of life, anatomy and physiology, and ecology. There are twelve mandatory laboratory experiences. Students will use college-level textbooks and references, as well as be expected to dedicate approximately 3 to 5 hours a week and the effort required of a college course. AP Biology is designed to prepare students to take the Advanced Placement Biology exam.

**Grades: 11–12**
**Prerequisites:** “B” in H Biology (or “A” in Biology), and “B” in H Chemistry (or “A” in Chemistry)
**Recommendation:** Anatomy & Physiology as prior or concurrent course
**Credit:** 1 credit, 2 semesters

### AP Chemistry #4545
Advanced Placement Chemistry is a college level laboratory course involving a detailed study of typical general chemistry topics. A strong math background is highly recommended and students should be prepared to do extensive independent study to support class lectures and lab investigations. AP Chemistry is a fast-paced course designed to prepare students to take the Advanced Placement Chemistry exam.

**Grades: 11–12**
**Prerequisites:** “B” in Honors Chemistry (or “A” in Chemistry) and teacher recommendation
**Credit:** 1 credit, 2 semesters

### AP Physics C #4547
Advanced Placement Physics is a rigorous and fast-paced introductory calculus-based course on mechanics and electricity and magnetism. It is the equivalent of two semesters of a college physics course taken by engineering or science majors. Emphasis is placed on solving a variety of challenging problems and analyses in the classroom and laboratory. AP Physics prepares students to take the two Advanced Placement Physics C Exams: Mechanics and Electricity & Magnetism.

**Grades: 12**
**Prerequisites:** “B” in H Physics (or “A” in Physics) and teacher recommendation
**Math Prerequisite:** AP Calculus AB or concurrent enrollment in AP Calculus BC
**Credit:** 1 credit, 2 semesters

### AP Environmental Science #4546
Advanced Placement Environmental Science is designed to be the equivalent of a one-semester introductory college course in environmental science. The course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. Students will be required to complete an independent, semester-long research project. This course
prepares students to undertake more advanced study of topics in environmental science and prepares them for the Advanced Placement Environmental Science exam. Note: Students who take an AP class are expected to take the AP exam.

Grades: 11–12

Prerequisites: “B” in H Biology (or “A” in Biology) and “B” in H Chemistry (or “A” in Chemistry), and teacher recommendation

Credit: 1 credit, 2 semesters

**AP Seminar** #3502

*Interdisciplinary AP elective. See description under English.*

**AP Research** #3503

*Interdisciplinary AP elective. See description under English.*
Social Studies

Four years (4 credits) required for CFSD graduation: Global Issues, Western Civilization or AP European History, US History, and .5 Government and .5 Economics (Standard/HC and AP options).

**Honors Credit**

Social Studies courses at all levels award Honors credit (additional .25 GPA weight) for students in standard/non-Honors classes who consistently perform at the Honors level in their coursework and assessments.

**Global Issues** HC #3200

This course is an introduction to the basic concepts, vocabulary, and research skills necessary for success in the social sciences. The course will prepare students for subsequent social studies courses in Western Civilization, U.S. History, Government, and Economics. Global Issues and Perspectives will examine the history, culture, and geography of four non-European areas of the world: Africa, Asia, Middle East, and Latin America. Following an initial introductory block, which introduces the students to basic vocabulary and concepts, each of the areas above will be addressed in a separate unit of study. Research skills and utilization of a broad array of primary and secondary sources will be emphasized throughout the year. All students will demonstrate competency in research skills by producing a research paper that demonstrates in-depth research and appropriate documentation.

*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*

Grade: 9
Prerequisite: None
Credit: 1 credit, 2 semesters

**Humanities 9: Global Studies (Social Studies) HC** #3111

Humanities is an interdisciplinary English and Social Studies class. The Humanities 9 curriculum encompasses all of the standards and benchmarks of both the English 9 and Global Issues 9 courses; however, the course is structured so that the content is integrated. Students will examine the history, culture, and geography of four non-European areas of the world: Africa, Asia, Middle East, and Latin America. They will study these regions through a wide variety of genres as well as primary and secondary sources. The course emphasizes analytical reading and writing of narrative and expository text, research skills, and critical thinking skills, as well as factual knowledge of geography and history, vocabulary, and the conventions of written English.

*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit/distinction for this course.*

Grade: 9
Prerequisite: None
Co-requisite Humanities 9: Global Studies (English)
Credit: 2 credits, 2 semesters (English and Social Studies)

**Western Civilization** HC #3220

This course provides a survey of the West from antiquity to the present world. Students will analyze the major economic, social, religious, intellectual, scientific, and artistic movements over time and their impact on the world today. A variety of instructional methods will be used including lecture, discussion, independent research, web-based learning, and working in teams. Students will focus on critical and abstract thinking skills, reading primary and secondary documents, performing independent research, and writing historical essays. An important goal of this course is to prepare students for their roles as 21st century citizens in a rapidly changing world, in which a rich understanding of history and its impact on the present and future is integral to effective leadership and citizenship.

*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*

Grade: 10
Prerequisite: Global Issues or Humanities 9
Credit: 1 credit, 2 semesters

**Humanities 10: Western Studies (Social Studies) HC** #3131

Humanities is an interdisciplinary English and Social Studies class. The Humanities 10 curriculum encompasses all of the standards and benchmarks of both the English 10 and Western Civilization courses; however, the course is structured so that the content is integrated. Students will examine the history, culture, and geography of Europe and its surroundings and the development of "Western thought." They will study these regions through a wide variety of genres: fiction, biography, philosophy, and poetry, as well as primary and secondary sources. The course emphasizes analytical reading and writing of expository and visual media (with a focus on persuasion), research skills, critical thinking skills, and presentation skills as well as factual knowledge of geography and history, vocabulary, and the conventions of written English. All students will demonstrate competency in research skills by producing a research paper that demonstrates in-depth research and appropriate documentation.

*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*

Grade: 10
Prerequisite: Humanities 9 or Global Issues
Co-requisite Humanities 10: Western Studies (English)
Credit: 2 credits, 2 semesters (English and Social Studies)

**AP European History** #3224

AP European History is a college level course that offers a broad overview of European history, introducing students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. Students are provided with a basic narrative of events and movements in European history from approximately 1450-2001 in order to develop an understanding of some its principal themes. It also seeks to provide students with an ability to analyze historical evidence and historical interpretation, and an ability to express historical understanding in writing. This college level survey class is aligned with the College Board’s standards for the course. It prepares students to take the Advanced Placement European History exam. Note: Students who take an AP class are expected to take the AP exam.

Grade: 10–12
Prerequisite: Global Issues
Credit: 1 credit, 2 semesters

**US History** HC #3240

This course presents a general survey of the history of the United States from the colonial era to the present day. Students will learn how to think and write thematically about social, historical, political, and economic issues and trends that have shaped the United States. An emphasis of the course will be the emergence of representative democracy, the evolving patterns of race relations and their effect on the nation, American territorial expansion, growth of American popular culture, immigration, industrialization, urbanization, and the emergence of the United States as a superpower in the postwar world. Students will utilize a variety of primary and secondary sources and will reinforce their
writing, research, and critical thinking skills through independent research, writing, and classroom discussion. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.

Grade: 11

Prerequisite: Western Civilization or AP European History
Credit: 1 credit, 2 semesters

Humanities 11: American Studies (Social Studies) HC #3151
Humanities is an interdisciplinary English and Social Studies class. The Humanities 11 curriculum encompasses all of the standards and benchmarks of both the English 11 and American History 11 courses; however, the course is structured so that the content is integrated. Students will examine the history, culture, and geography of the United States of America, from the colonial era to the present. They will study the development of our country through a wide variety of genres: fiction, biography, popular culture, and poetry, as well as primary and secondary sources. The course emphasizes analytical reading and writing of narrative and expository text, literary analysis, critical thinking skills, and oratory, as well as factual knowledge of geography and history, vocabulary, and the conventions of written English. In preparation for senior year and beyond, students in this class will also develop the skills to create effective job or college applications. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit/distinction for this course.

Grade: 12

Prerequisite: Humanities 9 or Western Civ or AP European History
Co-requisite Humanities 11: American Studies (English)
Credit: 2 credits, 2 semesters

AP United States History #3356
AP United States History is a college-level course that surveys the history of the United States from the colonial period to the present. The course is designed to provide students with the analytical skills and knowledge necessary to deal critically with the problems and issues in American History. It strikes a balance between learning factual knowledge and increasing critical thinking skills of analysis, interpretation, synthesis, and evaluation. Improving writing skills, especially in the area of developing a thesis, supporting it with specific, relevant, factual content, and formulating a conclusion, is a major objective of the course. The course is aligned with the College Board’s standards and prepares students to take the Advanced Placement US History exam. Note: Students who take an AP class are expected to take the AP exam.

Grade: 11

Prerequisite: Western Civilization or AP European History
Credit: 1 credit, 2 semesters

United States Government HC #3360
United States Government is a one-semester course that focuses on the fundamental concepts and practices of the American and Arizona systems of government. Course content will include an examination of the political process, political ideologies, the Constitution and Bill of Rights, the three branches of government, as well as the rights and responsibilities of individuals in our government system. Students will also explore current issues at the local, state, national, and global levels and will primarily apply their understanding of concepts through projects, activities, simulations, and research. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.

Grade: 12

Prerequisite: US History
Credit: .5 credit, 1 semester

AP United States Government #3363
Advanced Placement US Government is a one-semester college-level course of study in American political science. Course content includes a survey of constitutional development, political beliefs and behaviors, demographics, parties and interest groups, institutions of national government, public policy, and civil rights and liberties. The course is aligned with the College Board’s standards and prepares students to take the Advanced Placement US Government exam. *Note: Students who take an AP class are expected to take the AP exam.

Grade: 12

Prerequisite: US History
Credit: .5 credit, 1 semester

Economics HC #3400
Economics is a one-semester course that focuses on a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner (Microeconomics) to the national and global economy (Macroeconomics). The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles, as well as personal finance. The course also relates history, government, and politics to the study of economics. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.

Grade: 12

Prerequisite: US History
Credit: .5 credit, 1 semester

AP Macroeconomics #3402
Advanced Placement Macroeconomics is a one-semester college-level course that focuses on economic principles and their application to economic systems as a whole. Course content includes an introduction to basic economic principles followed by an in-depth look at major macroeconomic goals and performance indicators, the financial sector, monetary and fiscal policy, international trade, and foreign exchange markets. The course requires students to demonstrate their understanding of economic principles in written work, but also graphically. The course is aligned with the College Board’s standards and prepares students to take the Advanced Placement Macroeconomics exam. *Note: Students who take an AP class are expected to take the AP exam.

Grade: 12

Prerequisite: US History
Credit: .5 credit, 1 semester
Social Studies Electives

**AP European History**  
#3224  
AP European History is a college level course that offers a broad overview of European history, introducing students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. Students are provided with a basic narrative of events and movements in European history from approximately 1450-2001 in order to develop an understanding of some of its principal themes. It also seeks to provide students with an ability to analyze historical evidence and historical interpretation, and an ability to express historical understanding in writing. This college level survey class is aligned with the College Board’s standards for the course. It is largely taught in lecture format and prepares students to take the Advanced Placement European History exam.  
*Note: Sophomores may elect to take AP European History for their 10th grade Social Studies class (in lieu of Western Civilization).*  
Grade: 10–12  
Prerequisite: Global Issues  
Credit: 1 credit, 2 semesters

**AP World History**  
#3500  
AP World History is a college level course that offers motivated students the opportunity to immerse themselves in the processes that, over time, have resulted in the knitting of the world into a tightly integrated whole. The course invites students to explore key themes of interaction with the environment, cultures, state building, economic systems, and social structures, from approximately 8,000 BCE to present-day. The course offers balanced global coverage of Africa, the Americas, Asia and Europe. It seeks to provide students with an ability to analyze historical evidence and historical interpretation, and an ability to express historical understanding in writing. This college level survey class is aligned with the College Board’s standards for the course and prepares students to take the Advanced Placement World History exam.  
*Note: Students who take an AP class are expected to take the AP exam.*  
Grade: 11–12  
Prerequisite: Global Issues, and Western Civ or AP European History  
Credit: 1 credit, 2 semesters

**AP Seminar**  
~ See description under English  
#3502

**AP Research**  
~ See description under English  
#3503

**Student Leadership**  
#7151 SC, #7152 LC, #7153 AD  
Student Leadership is a course designed to give students the opportunity to study, practice, and develop individual and group leadership and organization skills. These skills include, but are not limited to, leadership roles, interpersonal relations, civic responsibility, decision-making, problem solving, and communication. Students enrolled in this course apply these skills by working with peers, school administration, and the community. This course is a hands-on approach to leadership by involving students in participatory leadership through project planning and implementation. All Student Council officers and elected class presidents and representatives serving in leadership roles are required to take this course.  
Grades: 9–12  
Credit: 1 credit, 2 semesters  
Course may be repeated for elective credit.  
*Student Leadership is cross-referenced in English and Social Studies.*
World Languages

Two years (2 credits) in same language is required for CFSD graduation. CFHS students may take either Spanish or Chinese.

Modalities of learning include Speaking, Listening, Reading, and Writing.

Transfer students will meet the graduation requirements for World Languages in one of the following ways:

- Transfer students who have successfully completed two years of continuous language study other than Spanish or Chinese from an accredited program at a previous high school will be deemed to have met CFSD graduation requirements.

- Students who enroll in grades 9-11 with no previous years of language study at the high school level will need to earn two credits of CFHS Spanish or Chinese to meet the CFSD graduation requirement.

- Transfer students who enroll in grades 10-12 and bring one credit of Spanish or Chinese may take Spanish or Chinese at CFHS as available to earn credit for their second year of continuous language study and meet CFSD graduation requirements.

- Transfer students who enroll in grades 10-12 who come with one credit in a language not offered at CFHS will be allowed to take an approved continuing language course (online or traditional classroom) at another approved accredited institution to earn the additional credit required for graduation.

- Students who enroll in grade 12 with no previous language study at the high school level will need to take Spanish 1 or Chinese 1, and approved summer coursework (online or traditional classroom) or two semesters of approved college level Spanish or Chinese to meet the CFSD graduation requirement.

Spanish

Spanish 1 #5320
This introductory language course is for students who have no previous Spanish or who have not yet acquired the proficiencies addressed in CFHS Spanish 1. Although all areas of communication (speaking, listening, basic reading and writing) will be addressed, our approach emphasizes the spoken language. In this course students will begin to develop the skills and cultural competence necessary to communicate with native speakers.
Prerequisite: None
Targeted Outcome: Novice High - Speaking
Grades 9–12
Credit: 1 credit, 2 semesters

Spanish 2 #5322
This course is for students who have acquired Novice-High proficiency. Students will further develop the communication skills and cultural competence acquired in Spanish 1. Students will continue to use Spanish in all areas of communication (speaking, listening, reading and writing) with emphasis on the spoken language.
Prerequisite: Novice High - Speaking
Targeted Outcome: Intermediate Low - Speaking
Grades 9–12
Credit: 1 credit, 2 semesters

Spanish 3 #5328
This course is for students who have acquired Intermediate-Low proficiency. Students will enhance the communication skills and cultural competence developed in Spanish 1 and 2. Students will examine and utilize more advanced features of language and will begin to develop greater proficiency in all areas of communication (speaking, listening, reading and writing).
Prerequisite: Intermediate Low - Speaking
Targeted Outcome: Intermediate Mid - Speaking
Grades 9–12
Credit: 1 credit, 2 semesters

Spanish 4: Ancient and Modern Civilizations #5330
This course is for students who have acquired Intermediate-Mid proficiency. Students will acquire more sophisticated communication skills and will develop a deeper understanding of the historical and modern events that have shaped the Spanish-speaking world. Topics include myths and legends of ancient civilizations, the arrival of the Europeans in the Americas, rights and responsibilities of citizens in a free society, and problems and challenges that exist in the modern world.
Prerequisite: Intermediate Mid - Speaking
Targeted Outcome: Intermediate Mid to Advanced Low - Speaking
Grades 9–12
Credit: 1 credit, 2 semesters
Spanish 5: Honors Hispanic Culture Through Film  #5360
This course uses film to enhance students’ understanding of Hispanic culture while also serving as a springboard for improving students' speaking, listening, and writing skills. Oral proficiency and listening comprehension are refined through conversation, discussion, and presentations. Writing skills are enhanced through journal topics related to the films viewed and discussed in class. Students will analyze and discuss selected films and segments of films from Latin America, Spain, and the United States on subjects concerning life and culture in the Hispanic world. Students will explore these films in light of their political, cultural, and social contexts. This course will be taught primarily in Spanish. Students’ oral presentations will be given in Spanish, but papers may be submitted in either English or Spanish.  
Prerequisite: Intermediate High - Listening, and successful completion of Spanish 4 or teacher recommendation  
Targeted Outcome: Intermediate High to Advanced Low - Listening  
Grades 11–12 (or 10 with teacher recommendation)  
Credit: 1 credit, 2 semesters

AP Spanish Language and Culture  #5436
This course will prepare students to demonstrate competence on the Advanced Placement Spanish Language and Culture exam. AP Spanish requires a sophisticated command of Spanish grammar and vocabulary and competence in listening, reading, speaking, and writing. The course examines geographic, historical, artistic, social, and political features of communities in the Spanish-speaking world through six themes: Global Challenges, Science & Technology, Families & Communities, Contemporary Life, Beauty & Aesthetics, and Personal & Public Identities. Note: Students who take an AP class are expected to take the AP exam.  
Prerequisite: Intermediate Mid - Speaking, and successful completion of Spanish 4 and teacher recommendation  
Targeted Outcome: Intermediate High to Advanced Low - Speaking  
Grades 11–12 (or 10 with teacher recommendation)  
Credit: 1 credit, 2 semesters

AP Spanish Literature and Culture  #5437
Advanced Placement Spanish Literature is the equivalent of a university course and requires a sophisticated command of Spanish grammar and vocabulary and competence in listening, reading, speaking, and writing. AP Spanish Literature and Culture focuses on selected authors from the literature of Spain and Latin America and on the understanding and analysis of literary texts. The course will prepare students to demonstrate competence on the Advanced Placement Spanish Literature and Culture Exam and/or the AP Spanish Language and Culture Exam. Note: Students who take an AP class are expected to take the AP exam.  
Prerequisite: Advanced Low - Reading, Intermediate Mid - Writing, Intermediate High to Advanced Low - Speaking, and teacher recommendation  
Targeted Outcome: Advanced Mid - Reading, Intermediate High - Writing, Advanced Low/Mid - Speaking  
Grades 11–12 (or 10 with teacher recommendation)  
Credit: 1 credit, 2 semesters

Community Service Experience Abroad - Spanish  #5440
This 4–8 week summer immersion experience is for students who have attained Intermediate-Low proficiency or higher in Spanish. Students will live in a Spanish-speaking country and work on sustainable community service projects while living with a host family. Through the host family program and community involvement, students are given the opportunity to be totally immersed in the culture as well as the language. This study abroad experience is offered through the Amigos de las Américas organization.  
Prerequisite: Intermediate Low - Speaking, and teacher recommendation  
Targeted Outcome: Intermediate Mid to Advanced Low - Speaking  
Grades 10–12  
Application and Fees: Contact Amigos de las Américas  
Credit: 1 elective credit upon demonstration of improved proficiency by one sub-level; credit cannot be used to fulfill the graduation credit requirement for World Languages
Chinese

**Chinese 1**  #5510
This introductory Mandarin language course is for students who have no previous experience with the language. Students will learn the pinyin transcription system for Chinese pronunciation and will also be able to recognize and produce 220 Chinese characters by the end of the course. Although there is an emphasis on oral communication, students will also develop basic listening, reading, and writing skills in the language. In this course, students will begin to develop the skills and cultural competence necessary to communicate with native speakers.

**Prerequisite:** None

**Targeted Outcome:** Novice Mid - Speaking, Novice High - Listening, Novice Low - Reading and Writing

**Grades:** 9–12

**Credit:** 1 credit, 2 semesters

**Chinese 2**  #5520
This course is for students who have acquired Novice-High proficiency. Students will continue to learn the pinyin transcription system of Chinese pronunciation and expand the number of Chinese characters they can recognize and produce. Students will further develop the communication skills and cultural competence acquired in Chinese 1. Students will continue to use Chinese in all areas of communication (speaking, listening, reading and writing) with emphasis on the spoken language.

**Prerequisite:** Novice Mid - Speaking, Novice High - Listening, Novice Low - Reading and Writing

**Targeted Outcome:** Novice High - Speaking, Intermediate Low - Listening, Novice Mid - Reading and Writing

**Grades:** 9–12

**Credit:** 1 credit, 2 semesters

**Chinese 3**  #5530
This course is for students who have acquired Intermediate-Low/Mid proficiency. Students will enhance the communication skills and cultural competence developed in Chinese 1 and 2. Students will examine and utilize more advanced features of language and will begin to develop greater proficiency in all areas of communication (speaking, listening, reading, and writing).

**Prerequisite:** Novice High - Speaking, Intermediate Low - Listening, Novice Mid - Reading and Writing

**Targeted Outcome:** Intermediate Low - Speaking, Intermediate Mid - Listening, Novice High - Reading and Writing

**Grades:** 9–12

**Credit:** 1 credit, 2 semesters

**Chinese 4**  #5540
This course is for students who have acquired Intermediate-Mid proficiency. Students will enhance the communication skills and cultural competence developed in Chinese 1, 2, and 3. Students will examine and utilize more advanced features of language and will begin to develop greater proficiency in all areas of communication (speaking, listening, reading, and writing).

**Prerequisite:** Intermediate Low - Speaking, Intermediate Mid - Listening, Novice High - Reading and Writing

**Targeted Outcome:** Intermediate Mid - Speaking, Intermediate High - Listening, Intermediate Low - Reading and Writing

**Grades:** 9–12

**Credit:** 1 credit, 2 semesters

**AP Chinese Language and Culture**  #5550
Advanced Placement Chinese Language and Culture will prepare students to demonstrate competence on the Advanced Placement Chinese Language and Culture exam. AP Chinese requires a strong command of Chinese grammar and vocabulary and competence in listening, reading, speaking, and writing. The course will reflect the intellectual interests of the students such as arts, current events, and literature while following the prescribed Advanced Placement curriculum. Note: Students who take an AP class are expected to take the AP exam.

**Prerequisite:** Intermediate Mid - Speaking, Intermediate High - Listening, Intermediate Low - Reading and Writing

**Targeted Outcome:** Intermediate High - Speaking, Advanced Low - Listening, Intermediate Mid - Reading and Writing

**Grades:** 11–12 (or 10 with teacher recommendation)

**Credit:** 1 credit, 2 semesters

**Summer Experience Abroad – Chinese**
This study-abroad experience in China offers students a unique opportunity to deepen their understanding of Chinese culture while also developing their ability to communicate in the Chinese language. Students will participate in a variety of cultural excursions to modern and ancient sites, and will take classes (conducted in English) on topics such as Chinese culture, history, politics, and economics. This study abroad experience is chaperoned by a CFSD staff member.

**Grades:** 10–12

**Prerequisite:** Proficiency in Chinese is not a prerequisite for participation in this program.

**Fee:** To be determined

**Credit:** No credit
Fine Arts

1 year (1 credit) of Fine Art (Performing Art or Visual Art) or CTE coursework required for CFSD graduation.

Note: Arizona university admission requirements include either 1.0 Fine Art or 1.0 CTE credit. Some colleges outside of Arizona may require 1.0 Fine Art credit. Please check admissions requirements for colleges of interest.

Performing Arts

Instrumental Music

Concert Band  #6010
Concert Band is a large concert ensemble comprised of woodwind, brass, and percussion musicians that is open to students with one or two years of playing experience. Beginning students or students interested in learning a secondary instrument may enroll with instructor permission. Emphasis is placed upon the development of characteristic tone, music reading skills, and ensemble performance through the study of a wide variety of music literature. In addition to music performance skills students will have the opportunity to develop teamwork and collaboration skills through a variety of activities including pep band, concerts, festivals, regional auditions, state solo/ensemble festival, parades, and several travel opportunities. All students will participate as a member of the Foothills Falcon Marching Band in the fall.

Grades: 9–12
Prerequisite: None, though one to two years of playing experience recommended.
Fees: $25 co-curricular, $35 uniform, $55 travel, $95 if instrument rental ($50 if instrument rental one semester)
Credit: 1 credit, 2 semesters
Course may be repeated for elective credit.

Symphonic Band  #6011
Symphonic Band is an advanced concert ensemble comprised of woodwind, brass and percussion musicians that is open to students by audition. Emphasis is placed upon the development of characteristic tone, music reading skills, and ensemble performance through the study of a wide variety of intermediate and advanced musical literature. In addition to music performance skills, students will have the opportunity to develop teamwork and collaboration skills through a variety of activities including pep band, concerts, festivals, regional auditions, state solo/ensemble festival, parades, and several travel opportunities. Students who have successfully completed Concert Band during their sophomore year may advance to Symphonic Band without audition. All students will participate as a member of the Foothills Falcon Marching Band in the fall.

Grades: 9–12
Prerequisite: Director consent. Auditions for all woodwind, brass, and percussion musicians will be held prior to course selection.
Fees: $25 co-curricular, $35 uniform, $55 travel, $95 if instrument rental ($50 if instrument rental one semester)
Credit: 1 credit, 2 semesters
Course may be repeated for elective credit.

Small Ensembles  #6021
Small ensembles class is composed of a variety of small ensembles such as woodwind and brass quintet, flute choir, clarinet choir, saxophone choir, and brass and percussion ensembles. Annual ensemble composition is determined by student interest. Students interested in solo performance may also enroll with teacher permission. Emphasis is placed upon individual and small ensemble performance skills utilizing a wide variety of chamber music literature. Students auditioning for these ensembles should possess intermediate to advanced performance skills and be capable of rehearsing with other members of the ensemble independently of the director. Students enrolled in this course should expect to perform in several solo/ensemble concerts as well as the state solo/ensemble festival. Public performances are also scheduled at various locations. Student enrolled in this class do not perform with the marching band unless they are also enrolled in one of the concert bands.

Grades: 9–12
Prerequisite: Director consent. Auditions for all woodwind, brass, and percussion musicians will be held prior to course selection.
Fees: $25 co-curricular
Credit: 1 credit, 2 semesters
Course may be repeated for elective credit.

Drum Line/Percussion Technicues  #6032
Drumline is offered to all percussionists interested in performing as a member of the Foothills Falcon Marching Band. Emphasis is on the development of beginning to advanced rudimental percussion techniques for marching band, concert percussion techniques, and percussion ensemble performance skills. Students will perform field show music and drill, cadences, pep band music, concert band music, and percussion ensemble literature. Percussionists remain in the class for the full year unless they audition and are accepted for Wind Ensemble.

Grades: 9–12
Prerequisite: Director consent. Workshops and auditions are held in January and February and as needed for new students.
Fees: $25 co-curricular, $35 uniform, $55 travel, $75 percussion
Credit: 1 credit, 2 semesters
Note: Participants must continue in Drum Line or enroll in one of the other bands second semester.
Course may be repeated for elective credit.
**Colorguard #6041**
Colorguard is offered to students interested in visual performance involving dance, movement, and flag equipment. This visual performance ensemble is a part of the Foothills Falcon Marching Band in the fall and is an independent winterguard ensemble in the winter and spring. Emphasis will be on the development of dance, movement, flag, and advanced equipment visual performance skills. Students will create and perform routines to visually represent a wide variety of music. Colorguard members will perform with the band at football games, festivals and parades, and they are eligible to travel with the band on all performance trips.

**Grades:** 9-12

**Prerequisite:** Director consent. Workshops and placement auditions will be held prior to course selection and as needed for new students.

**Fee:** $25 co-curricular, $35 uniform, $55 travel

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.

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**Jazz Combo #6028**
Jazz Combo class will be composed of several jazz combos ranging from beginning to advanced levels. Students may audition on any woodwind or brass instrument. Drum set, bass, guitar, and piano players may audition to be members of the rhythm sections for the combos. Emphasis will be on the development of improvisation skills based on the creative application of music theory knowledge. A wide variety of jazz literature and styles will be performed with a significant emphasis on listening to develop an accurate concept of characteristic styles. Students should be capable of rehearsing with other members of the ensemble independently of the director. Performances at public concerts, clinics, and festivals should be expected. Students enrolled in this class do not perform with the marching band unless they are also enrolled in one of the concert bands.

**Grades:** 9-12

**Prerequisite:** Director consent. Auditions for all woodwind, brass, and percussion musicians will be held prior to course selection.

**Fees:** $25 co-curricular, $55 travel, $95 if instrument rental ($50 if instrument rental one semester)

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.

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**Jazz Band #6029**
Jazz Band is composed of intermediate to advanced jazz musicians. Emphasis is on jazz performance techniques, improvisation, and development of an understanding of jazz styles and history. A wide variety of jazz literature and styles will be performed with a significant emphasis on listening to develop an accurate concept of characteristic styles. Enrollment will be limited to standard jazz instrumentation and preference will be given to those saxophonists who can double on flute or clarinet. Students playing saxophone, trumpet, trombone, drum set, piano, guitar, bass, and piano may audition for this select group. Performances at public concerts, clinics, and festivals should be expected. Students enrolled in this class do not perform with the marching band unless they are also enrolled in one of the concert bands.

**Grades:** 9-12

**Prerequisite:** Director consent. Auditions for all woodwind, brass, and percussion musicians will be held prior to course selection.

**Fees:** $25 co-curricular, $55 travel, $95 if instrument rental ($50 if instrument rental one semester)

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.

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**Symphonic Strings #6012**
This course is designed to accommodate many levels of playing skills, such as tone quality, rhythm and bowing, finger patterns, scales, ear training, music reading, vocabulary, music theory, and music history. The course will emphasize musicianship and performance skills through a study of specific orchestral literature. Students will be prepared to perform clear, meaningful, and expressive shaping of musical passages with well-defined, sensitive playing. Orchestra students will have the opportunity to represent CFSD in local and state music festivals. In addition to music performance skills, students will have the opportunity to develop collaboration and critical thinking skills through a variety of activities including, concerts, festivals, regional auditions, state solo/ensemble festival, and several travel opportunities.

**Grades:** 9-12

**Prerequisite:** Prior basic knowledge and experience with an instrument (violin, viola, cello, double bass, or harp) required.

**Fees:** $25 co-curricular, $55 travel, $95 if instrument rental

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.
| Course                                      | Credit       | Fees                  | Prerequisite                                      | Grades | Performance
|--------------------------------------------|--------------|-----------------------|---------------------------------------------------|--------|----------------
| **Beginning Steel Drums - Semester**       | 1 credit, 2 semesters | $35 lab fee            | None.                                             | 9–12   | Present during the semester. As skills develop, public performances will be scheduled. Skills required of a musical group. Students will have the opportunity to develop teamwork and collaboration skills required of a musical group. | 1 credit, 2 semesters |
| **Beginning Steel Drums - Year**           | 1 credit, 2 semesters | $35 lab fee            | None.                                             | 9–12   | Present during the semester. As skills develop, public performances will be scheduled. Skills required of a musical group. Students will have the opportunity to develop teamwork and collaboration skills required of a musical group. | 1 credit, 2 semesters |
| **Intermediate Steel Drums**               | 1 credit, 2 semesters | $35 lab fee            | Director consent. One semester of Beginning Steel Drums | 9–12   | Present during the semester. As skills develop, public performances will be scheduled. Skills required of a musical group. Students will have the opportunity to develop teamwork and collaboration skills required of a musical group. | 1 credit, 2 semesters |
| **Advanced Steel Drums**                   | 1 credit, 2 semesters | $35 lab fee            | Director consent. Two semesters of Steel Drums.   | 10–12  | Present during the semester. As skills develop, public performances will be scheduled on and off campus. Skills required of a musical group. Students will have the opportunity to develop teamwork and collaboration skills required of a musical group. | 1 credit, 2 semesters |
| **Beginning Guitar**                       | 1 credit, 2 semesters | $35 lab fee            | Beginning Guitar or Director consent. Audition held prior to course selection. | 9–12   | Present during the semester. As skills develop, public performances will be scheduled. Skills required of a musical group. Students will have the opportunity to develop teamwork and collaboration skills required of a musical group. | 1 credit, 2 semesters |
| **Intermediate Guitar**                    | 1 credit, 2 semesters | $35 lab fee            | Intermediate Guitar or Director consent. Audition held prior to course selection. | 9–12   | Present during the semester. As skills develop, public performances will be scheduled. Skills required of a musical group. Students will have the opportunity to develop teamwork and collaboration skills required of a musical group. | 1 credit, 2 semesters |
| **Advanced Guitar/Guitar Ensemble**        | 1 credit, 2 semesters | $35 lab fee            | Intermediate Guitar or Director consent. Audition held prior to course selection. | 9–12   | Present during the semester. As skills develop, public performances will be scheduled. Skills required of a musical group. Students will have the opportunity to develop teamwork and collaboration skills required of a musical group. | 1 credit, 2 semesters |
**Vocal Music**

**Choir: Concert Blue #6064**

Concert Blue is a mixed voice (SATB) ensemble open to freshmen of all musical levels. The first semester will be dedicated to forming the sound of the class through technique exercises and proficiency in sight reading (level 4 major/minor examples, in simple and compound meters). The performance emphasis will be on preparation for the annual Cantaremos festival, as well as outreach to local nursing homes or community events honoring the district’s value of citizenship. The spring semester will focus on preparation of solos as well as the festival music for the Arizona Music Educator Association Festivals at the Regional and State levels. Students will be expected to perform publicly between four and six times per year.

**Grades:** 9

**Prerequisite:** None.

**Fee:** $25 co-curricular, $20 uniform rental, $20 travel

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.

**Choir: Falcons #6064**

Falcons are a proficient level mixed voice choir for students in grades 10-12. Students will work toward refining technique and sight reading in singing in both large and small ensemble projects. Collaborations with students in instrumental ensembles like jazz band, guitar, band, strings, or steel are encouraged. This class will also ready students who would like to participate in Arizona Music Educator Association Festivals like Solo & Ensemble, Region, and State Chorus. Auditions and learning for music theatre performances and college auditions will also be encouraged in this course. This ensemble will be expected to attend concerts in the greater Tucson area, analyze and reflect on the performance in writing, and apply that learning to their own performances. Students will be expected to perform between four and six times per year.

**Grades:** 10–12

**Prerequisite:** None.

**Fee:** $25 co-curricular, $20 uniform, $20 travel

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.

**Concert Chorale #6075**

Concert Chorale is a level large mixed voice (SATB) ensemble. In the fall, students will prepare for two vocal concerts and community events as called upon, and attend the Arizona Choral Educators Festival. In the spring, students will prepare a major work, participate in state qualifying festivals and conferences, sing in the combined choirs May Pops concerts, and participate in a trip/tour (optional). Students in Accomplished level ensembles will be expected to participate in semester projects, including, but not limited to community ensembles, community theatre, independent AMEA events, or supporting concerts/plays in feeder middle/elementary schools or neighboring community level high schools. Students will be expected to perform publicly between six and eight times per year. Auditions/Re-auditions for the choir will occur each February. Prior evidence of singing in choir would need to be realized through previous auditions for festivals (placement in AMEA Region Choir or reciprocity from another state/country qualifies a student), voice/choir teacher references, and a placement hearing with the director.

**Grades:** 10–12

**Prerequisite:** Director consent. Auditions will be held prior to course selection.

**Fee:** $25 co-curricular, $20 uniform, $35 travel

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.

**Choir: Change of Pace #6070**

Change of Pace is the flagship choir and outreach mixed voice (SATB) choir for Catalina Foothills. This class functions as a lab course designed to complement the material learned in Concert Chorale and is open to rising sophomores, juniors and seniors through audition each February and has the same requirements as Concert Chorale. Change of Pace performs extremely challenging literature with varying genres including, but not limited to pop collegiate a cappella, vocal jazz, madrigals, chamber choir work by evolving professional a cappella groups like the Swingle Singers or Pentatonix. Students in all Accomplished Level ensembles will be expected to participate in semester projects, including, but not limited to: community ensembles, community theatre, independent AMEA events, or supporting concerts/plays in feeder middle/elementary schools or neighboring community level high schools. Students will be expected to perform publicly between ten and twelve times per year.

**Grades:** 10–12

**Prerequisite:** Director consent. Auditions will be held prior to course selection.

**Fee:** $25 co-curricular, $50 travel

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.

**AP Music Theory #6098**

AP Music Theory is a fast-paced course that prepares students not only for the Advanced Placement test, but also prepares students for undergraduate music entrance exams in college. Students learn about composition, analysis, and develop their aural/listening skills. This course uses music history and music listening to develop theory comprehension and aural skills. Per the College Board AP Music Theory content requirements, the Catalina Foothills AP Music Theory course also includes sight-singing. **Note:** Students who take an AP class are expected to take the AP exam.

**Grades:** 11–12

**Prerequisite:** Performance experience (in ensembles or private lessons) and teacher approval.

**Credit:** 1 credit, 2 semesters

Course may be repeated for elective credit.
Theatre Arts

Theatre Fundamentals #6100
Theatre Fundamentals is an introductory theatre course designed to introduce students to a variety of theatrical elements. Students will spend one semester physically working with professional theatrical equipment and learning the foundation of technical productions in the theatre setting, in addition to providing technical support for the Theatre Department’s seasonal productions. The other semester will engage students in several hands-on independent and collaborative acting projects. Students will examine how theatre artists tell stories through various performance styles including, but not limited to monologues, scenes, improvisation, and stage combat. During these units, students will be introduced to production design as it applies to costumes, make-up, sets, props and staging. Additionally, students will learn to critically examine live theatre performances throughout the course. Students are expected to attend and critique two live theatre performances per semester.
Grades: 9–12
Prerequisite: None
Fee: $40 lab fee
Credit: 1 credit, 2 semesters
Course may NOT be repeated.
* This is a CTE/JTED class.

Intermediate Theatre Production #6200
Intermediate Theatre Productions focuses on the creation of scenery, lighting and sound for the theatre from design concept to construction and implementation. Scenic design concepts, elements and principles, as well as extensive construction techniques will be covered during first semester. Second semester will focus on lighting design including electricity, history of lighting design, technical lighting elements, computer and manual lighting boards, intelligent lighting, and color theory, and sound design including sound equipment usage, theatrical soundboard operation, sound effect techniques, and theatrical sound system design. The class will be directly involved in the design and construction of the Theatre department’s seasonal production. Students are expected to attend and critique two live theatre performances per semester.
Grades: 10–12
Prerequisite: Theatre Fundamentals
Fee: $10 co-curricular fee, $40 lab fee
Credit: 1 credit, 2 semesters
Course may NOT be repeated.
* This is a CTE/JTED class.

Advanced Theatre Production 1 #6220
Advanced Theatre Production 1 allows students to explore theatre with an in-depth, hands-on approach. Students are assigned production roles and jobs and continue their design work by applying their skills to actual performances. Integrating knowledge and skills into actual performances allows students to explore and experience the professional nuances of technical theatre. The end-of-semester public productions are the culmination of the students’ work for the semester. This class requires time after-school to produce the public performances including, construction / technical rehearsals after-school and productions in the evenings and weekends. Students are expected to attend all scheduled rehearsals and participate in all performances.
Grades: 11–12
Prerequisite: Intermediate Theatre Production and teacher approval
Fee: $10 co-curricular fee, $50 lab fee
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Advanced Theatre Production 2 #6240
Students in Advanced Theatre Production 2 are responsible for the design elements of the student-directed shows in the ATP class. All theatrical design jobs will be assigned, and the show will be produced, built and run by the students. Students are assigned production roles and continue their design work by applying their skills to a realized performance. The end-of-semester public productions are the culmination of their work for the semester. This class requires time after-school to produce the public performances including; construction/technical rehearsals after-school and productions in the evenings and weekends. Students are expected to attend all scheduled rehearsals and participate in all performances.
Grades: 12
Prerequisite: Advanced Theatre Production 1 and teacher approval
Fee: $10 co-curricular fee, $50 lab fee
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Advanced Theatre Production Internship #6245
Students enrolled in Advanced Theatre Production 2 may have the opportunity to participate in a theatre productions internship. Students will be assigned to a period during the school day to assist with Theatre Production classes and/or work independently, as well as have additional after-school hours at the high school or at a local theatre program.
Grades: 12
Prerequisite: Advanced Theatre Production 1 and teacher approval
Corequisite: Advanced Theatre Production 2
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Intermediate Theatre Arts #6250
This course builds upon the basics of acting and performance taught in the Theatre Fundamentals course. Students will continue to develop their knowledge and understanding of various acting theories and techniques by applying them in scene and monologue performances. Additionally, students will engage in various areas of study including, but not limited to, auditions, theatre history, playwriting, and directing. Students are expected to attend and critique two live theatre performances each semester.
Grades: 10–12
Prerequisite: Theatre Fundamentals and teacher approval
Fee: $10 co-curricular fee, $40 lab fee
Credit: 1 credit, 2 semesters
Course may NOT be repeated.

Advanced Theatre Arts – Semester #6300 (S1), #6305 (S2)
Advanced Theatre Arts builds upon the skills and techniques taught in Fundamental and Intermediate Theatre Arts. Students will continue to expand their understanding of acting and performance skills and techniques. Units of study may include advanced acting, advanced directing, film, dialects, devising, advanced improvisation, and advanced stage combat. Students will audition for placement based on roles and jobs available, and work with a creative team on design choices and a fully designed theatre work. Advanced Theatre Arts and Advanced Theatre Arts: Acting Ensemble students will participate in joint units of study as well as course-specific units and projects. It is expected that students will attend after school rehearsals and performances as scheduled.
Grades: 11–12
Prerequisite: Intermediate Theatre Arts and teacher approval
Fee: $10 co-curricular fee, $25 lab fee
Credit: 5 credit, 1 semester
Course may be repeated for elective credit.
Advanced Theatre Arts – Year #6307
Advanced Theatre Arts builds upon the skills and techniques taught in Fundamental and Intermediate Theatre Arts. Students will continue to expand their understanding of acting and performance skills and techniques. Units of study may include advanced acting, advanced directing, film, dialects, devising, advanced improvisation, and advanced stage combat. Students will audition for placement based on roles and jobs available, and work with a creative team on design choices and a fully designed theatre work. Advanced Theatre Arts and Advanced Theatre Arts: Acting Ensemble students will participate in joint units of study as well as course-specific units and projects. It is expected that students will attend after school rehearsals and performances as scheduled.

Grades: 11–12
Prerequisite: Intermediate Theatre Arts and teacher approval
Fee: $10 co-curricular fee, $50 lab fee
Credit: 1 credit, 2 semesters
Course may be repeated for elective credit.

Advanced Theatre Arts: Acting Ensemble – Semester #6308 (S1), #6309 (S2)
Building on the skills introduced in Fundamental, Intermediate, and Advanced Theatre Arts, this one-semester course develops a deeper understanding of theatre and production from different cultural and historical perspectives with a focus on the performance of a fully produced, full-length play. In this course, students will practice and apply new acting concepts in an in-depth, hands-on approach. They will create a director’s concept using knowledge of dramatic forms and conventions, and enhance their skills as an ensemble by working with a creative team on design choices. Students will audition for placement based on roles and jobs available, continue their acting and directing work in a fully produced theatre work, and defend their design and use of artistic choices and techniques. Advanced Theatre Arts and Advanced Theatre Arts: Acting Ensemble students will participate in joint units of study as well as course specific units and projects. It is expected that students will attend after school rehearsals and performances as scheduled.

Grades: 12
Prerequisite: “B” or better in Advanced Theatre Arts and teacher approval
Fee: $10 co-curricular fee, $25 lab fee
Credit: .5 credit, 1 semester

Advanced Theatre Arts: Acting Ensemble – Year #6310
Building on the skills introduced in Fundamental, Intermediate, and Advanced Theatre Arts, this course develops a deeper understanding of theatre and production from different cultural and historical perspectives with a focus on the performance of a fully produced, full-length play. In this course, students will practice and apply new acting concepts in an in-depth, hands-on approach. They will create a director’s concept using knowledge of dramatic forms and conventions, and enhance their skills as an ensemble by working with a creative team on design choices. Students will audition for placement based on roles and jobs available, continue their acting and directing work in a fully produced theatre work, and defend their design and use of artistic choices and techniques. Advanced Theatre Arts and Advanced Theatre Arts: Acting Ensemble students will participate in joint units of study as well as course specific units and projects. It is expected that students will attend after school rehearsals and performances as scheduled.

Grades: 12
Prerequisite: “B” or better in Advanced Theatre Arts and teacher approval
Fee: $10 co-curricular fee, $50 lab fee
Credit: 1 credit, 2 semesters

Visual Art

Studio Art 1 #6320
Studio Art 1 is a foundational class offered to all beginning art students as they explore instruction in a variety of art media. Students learn a range of concepts including perspective, composition, drawing skills, and color theory, as well as the elements of art and the principles of design, which provide the framework for the course. The course also addresses the disciplines of art history and aesthetics. Students enter the class at a variety of levels and with differing art experiences and abilities. However, this does not keep any student from reaching their goals in art. Mediums include pencil, charcoal, pastels, painting, printmaking and collage.

Grades: 9–12
Prerequisite: None
Fee: $20 lab fee
Credit: 1 credit, 2 Semesters

Studio Art 2 #6330
Studio Art 2 cultivates previously developed artistic knowledge and skills learned in Studio Art 1. The course expands on the foundations of art including art history, theory, concepts and skills. It empowers the already motivated student to make choices about the content and interpretation of their artwork, explore personal interests, solve problems, and communicate ideas in innovative ways. Students further develop skills in multiple medias, art production, design thinking, criticism, and art appreciation.

Grades: 10–12
Prerequisite: Studio Art 1 and teacher approval
Fee: $20 lab fee
Credit: 1 credit, 2 Semesters

Studio Art 3 #6340
Studio Art 3 draws on the student’s prior knowledge, expanding and improving artistic understandings and skills by using creative processes and exploring new media such as textiles and fiber arts. Students make higher order aesthetic choices, tapping more consciously into developing individual creativity and continuing to develop the ability to articulate about visual imagery and concepts. This course addresses the work and ideas of contemporary global artists. Students use critical thinking to evaluate their own work and the works of others. There is a focus on creating portfolio quality artwork, developing an artist statement, and participating in exhibitions.

Grades: 11–12
Prerequisite: Studio Art 2 and teacher approval
Fee: $20 lab fee
Credit: 1 credit, 2 Semesters

Studio Art 4 #6350
Studio Art 4 is designed for the proficient, self-directed, and highly motivated artist. It draws on the student’s prior knowledge and challenges them to direct their artistic growth by providing a variety of choices in subject matter, interpretation of concepts, and media. Students use informed and critical decision-making in the evaluation of their art while maintaining and practicing the attitude and self-discipline of a working artist. Upon successful completion, the student should be able to demonstrate quality, concentration, and a breadth of experience in a body of works and collaterals suitable for their portfolio.

Grades: 12
Prerequisite: Studio Art 3 and teacher approval
Fee: $20 lab fee
Credit: 1 credit, 2 semesters
Ceramics and Sculpture 1 #6433
This course will provide students with a hands-on approach to making functional and sculptural artwork using a variety of media: clay, paper, fiber, wire, plaster, and recycled materials. Students will learn basic wheel throwing techniques with a focus on creating cylinder-formed objects and bowls and basic hand-building methods such as slab building, hollow form, and coil. A variety of decorative, glazing, and firing techniques will be introduced. Students will focus on the elements and principles of design with an emphasis on 3D aspects. Class projects will foster individual skills and expression and focus on creativity, expression of ideas, comprehension of tools and techniques, and problem-solving techniques explored through sculptural media.

Grades: 9–12
Prerequisite: None
Fee: $10 lab fee
Credit: .5 credit, 1 semester
Course may NOT be repeated.

Ceramics and Sculpture 2 #6434
This course will provide students with an in-depth study of ceramics and sculpture including a more advanced study of wheel throwing techniques hand-building methods. Students will continue the advanced study of the elements and principles of design and critique. The course uses both historical and contemporary models as a catalyst for projects and discussions. Class projects will continue to foster individual skills and expression with a focus on creativity, expression of ideas, and problem-solving techniques explored through sculptural media. Students will practice the attitude and self-discipline of a working artist.

Grades: 9–12
Prerequisite: Ceramics and Sculpture 1
Fee: $10 lab fee
Credit: .5 credit, 1 semester
Course may NOT be repeated.

AP Studio Art: 2-Dimensional Design #6351
AP Studio Art 2D is designed for the advanced artist and follows the guidelines and recommendations of the College Board’s Advanced Placement art program. This course offers 2-D design students a concentrated program which enables them to apply for college credit in Art. Students will create a portfolio of work to demonstrate focus in the artistic skills and ideas they have developed, refined, and applied over the course of the year, exploring advanced techniques and materials, media exploration, building concepts, and thematic development. Students are expected to already possess a variety of skills in a variety of media, think creatively, and manage their time to meet both the high expectations and the deadlines of the course. AP Studio Art is designed for students who are self-directed, highly motivated, and seriously interested in the practical experience of art. Note: Students who take an AP class are expected to complete the AP portfolio.

Grades: 12
Prerequisite: Successful completion of Studio Art 1 and 2, and AP Art teacher approval, which includes a review of 2 completed artworks at the AP level of performance.
Fee: $20 lab fee
Credit: 1 credit, 2 semesters

AP Studio Art: 3-Dimensional Design #6352
AP Studio Art 3D is designed for the advanced artist and follows the guidelines and recommendations of the College Board’s Advanced Placement art program. This course offers a 3-D design student a concentrated program which enables them to apply for college credit in Art. Emphasis is centered on studio work, the preparation of a portfolio of work to demonstrate the artistic skills and ideas students have developed, refined, and applied over the course of the year to produce visual compositions, and the submission of the portfolio for an Advanced Placement grade. AP Studio Art is designed for students who are self-directed, highly motivated and seriously interested in the practical experience of art. Note: Students who take an AP class are expected to complete the AP portfolio.

Grades: 12
Prerequisite: Successful completion of Ceramics & Sculpture 1 and 2, and AP Art teacher approval, which includes a review of 2 completed artworks at the AP level of performance.
Fee: $20 lab fee
Credit: 1 credit, 2 semesters
### Graphic Design 1 #6401
Graphic Design 1 is designed to introduce students to the fundamentals of graphic design. Students will use a variety of materials, on and off the computer, to produce work that communicates an idea to a specific audience. Students learn the practical application of the basics of Adobe Photoshop CC and Adobe Illustrator CC. Adobe CC is one of the most powerful programs used by professional graphic designers. Students will produce documents that include creating original layouts, logos, brochures as well as promotional materials and digital art. This exploration class includes opportunities for communication, creativity and innovation, critical thinking and problem solving.

**Grades:** 10–12  
**Fee:** $60 lab fee  
**Credit:** 1 credit, 2 semesters  
* This is a CTE/JTED class.

### Graphic Design 2 #6410
Graphic Design 2 is designed to be a second level for students interested in continuing their study of the graphic design field. Students will learn more in-depth techniques in Adobe Photoshop CC and Adobe Illustrator CC. Students will also be introduced to Adobe InDesign CC, the industry standard for page layout. Students will investigate more complex concepts and techniques of media arts and graphic design including poster layout, composite photos, packaging design, logo design and animation. Projects will require the use of creativity and innovation, critical thinking and problem solving and communication.

**Grades:** 11–12  
**Prerequisite:** Graphics Design 1  
**Fee:** $60 lab fee  
**Credit:** 1 credit, 2 semesters  
* This is a CTE/JTED class.

### Graphic Design 3 #6420
Graphic Design 3 is designed to further develop students’ skills based on commercial and industry-level demands. Projects will include screen printing, posters, brochures, logo design, and other graphic design requests. They will continue to learn techniques and processes in Adobe Photoshop CC, Adobe Illustrator CC and Adobe InDesign CC and acquire higher-level skills in the area of screen printing and digital imaging. Students will work toward industry certification in Adobe Software, and are expected to practice the attitude and self-discipline of a working professional.

**Grades:** 12  
**Prerequisite:** Graphic Design 2 and teacher approval  
**Fee:** $60 lab fee  
**Credit:** 1 credit, 2 semesters  
* This is a CTE/JTED class.

### Graphic Design Publication #6425
Graphic Design Publication is a course that offers students an opportunity to learn publication skills and commercial art while becoming part of a design team. In addition to learning advanced journalism skills such as interviewing, copy writing, and editing, students will explore the basics of photojournalism, concept design, typography, and publication layout. State-of-the-art digital photography and industry standard publishing programs enhance student processing of an all-digital book. Students will be required to write frequently, conduct interviews, take photographs, meet deadlines, and contribute to the overall production of the book.

**Grades:** 11–12  
**Prerequisite:** Graphic Design 1 or Photo 1 and teacher approval  
**Fee:** $30 lab fee  
**Credit:** 1 credit, 2 semesters  
Course may be repeated for elective credit.  
* This is a CTE/JTED class.

### Photo Imaging 1 #7570
Photo Imaging 1 introduces students to the basics of darkroom photography as well as digital camera techniques. Students develop camera skills, learn darkroom processes and post-production editing, and investigate the elements of art and principles of design. This course offers the students the opportunity to elevate the quality of their photographs and appreciation of art by providing a better understanding and use of these mediums. Students learn to observe, express themselves nonverbally, and solve problems. Post-production editing instruction is provided in Adobe Illustrator and Photoshop.

**Grades:** 10–12  
**Prerequisite:** None  
**Credit:** 1 credit, 2 semesters  
**Fee:** $80 lab fee  
* This is a CTE/JTED class.

### Photo Imaging 2 #7580
Photo Imaging 2 builds on the skills developed in Photo Imaging 1. Emphasis is placed on further refinement of camera technique, studio lighting, and post-production editing. Students will be introduced to on-location lighting in this course. They will make higher order aesthetic choices and tap more consciously into the development of individual creativity. Students will continue to develop their ability to create conceptual work. Further exploration of historical figures, contemporary issues, and a deeper understanding of photographic materials and cameras are also integrated into the course. Post-production editing instruction is provided in Adobe Photoshop and Lightroom. Students are expected to photograph outside of class time.

**Grades:** 11–12  
**Prerequisite:** Photo Imaging 1  
**Credit:** 1 credit, 2 semesters  
**Fee:** $80 lab fee  
* This is a CTE/JTED class.

### Photo Imaging 3 #7590
Photo Imaging 3 builds on the skills developed in Photo Imaging 2. Emphasis is placed on advanced camera techniques, lighting, idea development, critique, and post-production editing. This course will also focus on the development of a personal vision and a college-level portfolio that reflects artistic growth. Post-production editing instruction is provided in Adobe Photoshop and Lightroom. Students are expected to practice the attitude and self-discipline of a working artist. Students are expected to photograph outside of class time, and are encouraged to have their own DSLR camera.

**Grade:** 12  
**Prerequisite:** Photo Imaging 2 and teacher approval  
**Credit:** 1 credit, 2 semesters  
**Fee:** $80 lab fee  
* This is a CTE/JTED class.
Kinetic Wellness
(Physical Education and Health)

One year (1 credit) of Physical Education is required for CFHS graduation. To fulfill the graduation requirement, students must take two different PE classes. One class must be taken from the Group Fitness options and one class from the Individual Fitness options. One of the .5 credit requirements must be taken as a freshman. The second .5 credit may also be taken during freshman year or at any time during grades 10-12.

One semester (.5 credit) of Health is required for CFHS graduation. Health must be taken as a freshman.

Physical Education
Two semesters (1 credit) required for CFHS graduation

One class must be taken from the Group Fitness options and one class from the Individual Fitness options. One of the .5 credit requirements must be taken as a freshman.

Physical education offers a variety of group and individual fitness-based activities anchored in the goal of lifelong fitness and wellness. Students will develop physical skills and knowledge that can be used throughout life. A cornerstone of the program is a health-related fitness assessment administered in each course.

Group Fitness Options

Recreational Fitness (Silver) #7010
This course is designed to offer students a wide variety of group fitness activities that enhance physical skills, movement, and wellness. Activities may include team handball, volleyball, over the line softball, 3 on 3 soccer, basketball, and flag football. Through participation in these activities, students will develop cardiovascular fitness, muscular strength, muscular endurance, and flexibility. The concepts of teamwork and sportsmanship are emphasized. Fitness assessments will be conducted a minimum of 2 times per semester. This course meets the .5 credit requirement for Group Fitness.

Grades: 9–12
Prerequisite: None
Credit: .5 credit, 1 semester
Course may be repeated for elective credit.

Recreational Fitness (Blue) #7020
This course is designed to offer students a wide variety of group fitness activities that enhance physical skills, movement, and wellness. Activities may include ultimate Frisbee, lacrosse, indoor soccer, speedball, flierball, and foot tennis. Through participation in these activities, students will develop cardiovascular fitness, muscular strength, muscular endurance, and flexibility. The concepts of teamwork and sportsmanship are emphasized. Fitness assessments will be conducted a minimum of 2 times per semester. This course meets the .5 credit requirement for Group Fitness.

Grades: 9–12
Prerequisite: None
Credit: .5 credit, 1 semester
Course may be repeated for elective credit.

Health

One semester (.5 credit) required – Grade 9

The goal of health education is to help students develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors.

Health and Wellness #7103
This course addresses health and wellness topics and issues relevant to high school students. Students will acquire knowledge and skills necessary to maintain lifelong good health and to make informed choices and accept personal responsibility for those choices. The units covered in this course include nutrition and fitness; mental and emotional health; first aid; tobacco, alcohol, and other drugs; and human growth and development. This is a required course that must be taken in freshman year. (Students may take CFHS Health through CFSD Community Schools, if offered, summer prior to or following freshman year.

Grade: 9
Prerequisite: None
Credit: .5 credit, 1 semester
Individual Fitness Options

Cardio Fitness #7050
This course is designed to offer students a wide variety of cardiovascular fitness activities that enhance physical skills, movement, and wellness. Activities may include cardiovascular endurance training, step aerobics, Yoga, Pilates, jogging/walking, dance/rhythm, basic calisthenics, and interval training. Through participation in these activities, students will develop cardiovascular fitness, muscular strength, muscular endurance, and flexibility. Fitness assessments will be conducted a minimum of 2 times per semester. This course meets the .5 credit requirement for Individual Fitness.
Grades: 9–12
Prerequisite: None
Credit: .5 credit, 1 semester
Course may be repeated for elective credit.

Strength and Fitness #7051
This is an introductory course designed to teach students the proper techniques in developing muscular strength and endurance, flexibility, and cardiovascular fitness. Students will be taught the principles of training, how these principles relate to conditioning, and injury prevention. A unit on dance/rhythm is also included. Students will assess their current fitness level, develop a goal-oriented fitness plan, and demonstrate progress toward goals. Fitness assessments will be conducted a minimum of 2 times per semester. This course meets the .5 credit requirement for Individual Fitness.
Grades: 9–12
Prerequisite: None
Credit: .5 credit, 1 semester
Course may be repeated for elective credit.

The Fit Female #7052
This course is designed specifically for the female student who is interested in strength training techniques and endurance, cardiovascular fitness, flexibility, core strength development, and body contouring. Students will be taught the principles related to strength and conditioning with an emphasis on injury prevention. A unit on dance/rhythm is also included. Students will assess their current fitness level, develop a goal-oriented fitness plan, and demonstrate progress toward goals. Fitness assessments will be conducted a minimum of 2 times per semester. This course meets the .5 credit requirement for Individual Fitness.
Grades: 9–12
Prerequisite: None
Credit: .5 credit, 1 semester
Course may be repeated for elective credit.

Advanced PE Electives

Intermediate Strength and Fitness #7070
This course is designed to build upon the strength training skills in Strength and Fitness or The Fit Female. Emphasis is on developing muscular strength and endurance and other skill related components of fitness (flexibility, cardiovascular endurance, and body composition). Students will assess their current fitness level and develop an individualized conditioning program to meet desired outcomes. Supplemental lifts will be researched and incorporated into students’ individualized programs. Connections will be made between anatomy and specific conditioning activities. Goal setting and related journal work will be incorporated into the course. Students will be evaluated on knowledge, improvement, and work accomplished toward goal attainment. Fitness assessments will be conducted a minimum of 2 times per semester.
Grades: 10–12
Prerequisite: Strength and Fitness or The Fit Female
Credit: .5 credit, 1 semester
Course may be repeated for elective credit.

Advanced Strength and Fitness #7071
This course is designed for the highly motivated student who wants to learn advanced techniques in developing muscular strength and endurance and other skill related components of fitness (flexibility, cardiovascular endurance, and body composition). Students will participate in a variety of conditioning activities (Olympic and power lifting, speed, agility, and interval training) and will implement a conditioning program designed around individual needs and goals. Goal setting and related journal work will be incorporated into the course. Students will be evaluated on knowledge, improvement, and work accomplished toward goal attainment. Fitness assessments will be conducted a minimum of 2 times per semester.
Grades: 10–12
Prerequisite: Strength and Fitness or The Fit Female and teacher approval
Credit: .5 credit, 1 semester
Course may be repeated for elective credit.

Lifetime Sports & Fitness #7072
This is an advanced course for students interested in individualized sports and racquet-based activities. This course is designed to offer students a wide variety of fitness activities that enhance physical skills, movement, and wellness. Activities may include badminton, golf, pickle ball, tennis, Frisbee golf, and table tennis. Through participation in these activities, students will develop cardiovascular fitness, muscular strength, muscular endurance, and flexibility. Fitness assessments will be conducted a minimum of 2 times per semester. This course does not meet the required graduation credit.
Grades: 10–12
Prerequisite: Recreational Fitness Silver or Blue
Credit: .5 elective credit, 1 semester
Course may be repeated for elective credit.
Career & Technical Education and JTED Electives and Career Pathways

CFSD is a member of the Pima Joint Technical Education District (JTED). In conjunction with business and industry, JTED provides career and technical education (CTE) programs for students that focus upon both the educational and employment needs of Pima County. JTED courses provide access to state-of-the-art equipment and training programs in a variety of career pathways, offer articulated college-level credit (applicable courses only), offer the opportunity for industry certifications, and the opportunity to work at an advanced level in a variety of career areas.

CFHS CTE/JTED course offerings are listed below. See the course descriptions for descriptions and prerequisite information.

**CFHS Career and Technical Education (CTE) Courses**
- Theatre Fundamentals, Intermediate Theatre Production, Advanced Theatre Production 1, 2, Internship
- Graphic Design 1, 2, 3 and Publication
- Photo Imaging 1, 2, 3
- Film & TV: Media Production 1, 2, 3
- Business Management 1, 2, 3
- Chemistry: Intro to Biotech, Applications of Biotech, Advanced Biotech (2021-22)
- Anatomy & Physiology (Sports Medicine 1), Sports Medicine 2, Sports Medicine 3
- Introduction to Engineering Design, Principles of Engineering, Engineering Design and Development
- Career Exploration & Consumer Finance*
- Career Preparation & Personal Finance*

* These courses do not count for CTE graduation requirements.

**Pima County JTED Programs**
CFHS Students interested in off-site JTED courses in the following areas should see the CFHS CTE/JTED counselor for registration information. These courses are free to CFHS students and credits earned will be noted on the CFHS transcript. Info at pimajted.org/program.

3D Animation/Virtual Reality & Game Design • Air Transportation-FAA Drone Operator • Automation/Robotics • Automotive Technology • Aviation Technology • Personal Assistant Caregiver • Cosmetology • Construction Technology • Culinary and Nutritional Arts/Restaurant Management • Cybersecurity/Artificial Intelligence • Early Childhood Education • Engineering-Aerospace and Mining Technology • Energy Technician • Emergency Medical Technician • Fire Services • Graphic and Web Design • Healthcare Foundations • Heating, Ventilation, & Air Conditioning • Heavy Equipment Operations • Information Technology • Law, Public Safety & Security • Healthcare Foundations • Licensed Nursing Assistant • Registered Medical Assistant • Medical Records Technology • Precision Manufacturing & Mechatronics • Physical Therapy Technician • Veterinary Science • Welding • Computer Aided Drafting • Business Start-Up/Entrepreneurship

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**Media Production Pathway**

**Film & TV 1: Media Production**

This course provides students with the skills and knowledge to master lighting, camera operation, visual composition, storytelling, basic audio production and editing. The students produce specially designed video projects that apply technical knowledge and skills in production of television programs. Focused instruction in 21st century learning skills include leadership, productivity, teamwork, digital-age literacy, technology & tools, critical & creative thinking, and data analysis. Other important video production skills include interviewing, scripting, advertising techniques, studio operation, and audience analysis. Basics of copyright law and broadcast ethics are also included.

**Grades 10–12**
- Credit: 1 credit, 2 semesters
- Fee: $30 lab fee
* This is a CTE/JTED class.

**Film & TV 2: Media Production**

This course builds on the skills learned in Film & TV 1. The course provides a focus on producing actual video productions that will meet the needs of clients or be submitted for distribution/competition. This advanced class will also focus on broadcast and industrial video production techniques. Career and technology trends will be discussed. A personal portfolio and resume will be developed as well as a job career plan. Job research and interviewing techniques are practiced.

**Grades: 11–12**
- Prerequisite: Film & TV 1
- Credit: 1 credit, 2 semesters
- Fee: $30 lab fee
* This is a CTE/JTED class.

**Film & TV 3: Media Production**

This course builds on the skills learned in Advanced Media Production. The course provides a focus on creating, critiquing and producing industry level productions that will meet the needs of clients or be submitted for competition. This advanced class will also focus on industrial video production techniques. Adobe certification will be optional. A personal portfolio and resume will be developed as well as a job career plan. Job research and interviewing techniques are practiced.

**Grades: 12**
- Prerequisite: Film & TV 2 and teacher approval
- Credit: 1 credit, 2 semesters
- Fee: $30 lab fee
* This is a CTE/JTED class.
**Business Management Pathway**

**Business Management 1**

Business Management 1 prepares students for business and marketing careers in the 21st century. Students develop critical thinking and communication skills for use in the global business community. The course provides career exploration in essential business management and marketing skills, problem solving, leadership, critical thinking, communication, and resource management skills. Students will apply computerized information systems, applications, and other technology in relevant and rigorous industry simulations as a sound basis for business and marketing, entrepreneurship, and employability. Class projects will further advance collaborative and systemic thinking skills used in business management and leadership professions.

**Grades:** 10–12

**Prerequisites:** None

**Credit:** 1 credit, 2 semesters

* This is a CTE/JTED class.

**Business Management 2**

Business Management 2 is designed to prepare students for business or entrepreneurial endeavors or employment. A thorough knowledge of applied economics, advanced project management, and human resource management will offer additional opportunities in 21st century business careers. The practical application of business and economics affords students opportunities to develop into socially responsible and culturally competent leaders. Through a combination of collaborative and self-directed projects, students will analyze, synthesize, and apply their business acumen toward relevant analysis of current market/industry trends. Business Management 2 students are encouraged to pursue industry recognized certification in the QuickBooks application.

**Grades:** 11–12

**Prerequisites:** Business Management 1

**Credit:** 1 credit, 2 semesters

* This is a CTE/JTED class.

**Business Management 3**

Business Management 3 is designed to prepare students for business and marketing employment, entrepreneurialism, as well as post-secondary academic endeavors. Building on a thorough knowledge of applied economics, management skills, and technology will offer additional opportunities in 21st century careers or study. Through a combination of collaborative and self-directed projects, students will apply their business acumen toward real-world experiences at Tucson-area internships. Business & Marketing 3 students are responsible for evaluating potential internship placements, submitting a letter of intent, and ensuring completion of all appropriate paperwork prior to the beginning of the academic year.

**Grade:** 12

**Prerequisite:** Business Management 2, Application/Letter of Intent

**Credit:** 1 credit, 2 semesters

* This is a CTE/JTED class.

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**Photo Imaging Pathway**

**Photo Imaging 1**

Photo Imaging 1 introduces students to the basics of darkroom photography as well as digital camera techniques. Students develop camera skills, learn darkroom processes and post-production editing, and investigate the elements of art and principles of design. This course offers the students the opportunity to elevate the quality of their photographs and appreciation of art by providing a better understanding and use of these mediums. Students learn to observe, express themselves nonverbally, and solve problems. Post-production editing instruction is provided in Adobe Illustrator and Photoshop.

**Grades:** 10–12

**Prerequisite:** None

**Credit:** 1 credit, 2 semesters

**Fee:** $80 lab fee

* This is a CTE/JTED class.

**Photo Imaging 2**

Photo Imaging 2 builds on the skills developed in Photo Imaging 1. Emphasis is placed on further refinement of camera technique, studio lighting, and post-production editing. Students will be introduced to on-location lighting in this course. They will make higher order aesthetic choices and tap more consciously into the development of individual creativity. Students will continue to develop their ability to create conceptual work. Further exploration of historical figures, contemporary issues, and a deeper understanding of photographic materials and cameras are also integrated into the course. Post-production editing instruction is provided in Adobe Photoshop and Lightroom. Students are expected to photograph outside of class time.

**Grades:** 11–12

**Prerequisite:** Photo Imaging 1

**Credit:** 1 credit, 2 semesters

**Fee:** $80 lab fee

* This is a CTE/JTED class.

**Photo Imaging 3**

Photo Imaging 3 builds on the skills developed in Photo Imaging 2. Emphasis is placed on advanced camera techniques, lighting, idea development, critique, and post-production editing. This course will also focus on the development of a personal vision and a college-level portfolio that reflects artistic growth. Post-production editing instruction is provided in Adobe Photoshop and Lightroom. Students are expected to practice the attitude and self-discipline of a working artist. Students are expected to photograph outside of class time, and are encouraged to have their own DSLR camera.

**Grade:** 12

**Prerequisite:** Photo Imaging 2 and teacher approval

**Credit:** 1 credit, 2 semesters

**Fee:** $80 lab fee

* This is a CTE/JTED class.
Graphic Design 1  
#6401
Graphic Design 1 is designed to introduce students to the fundamentals of graphic design. Students will use a variety of materials, on and off the computer, to produce work that communicates an idea to a specific audience. Students learn the practical application of the basics of Adobe Photoshop CC and Adobe Illustrator CC. Adobe CC is one of the most powerful programs used by professional graphic designers. Students will produce documents that include creating original layouts, logos, brochures as well as promotional materials and digital art. This exploration class includes opportunities for communication, creativity and innovation, critical thinking and problem solving.

Grades: 10–12  
Fee: $60 lab fee  
Credit: 1 credit, 2 semesters  
* This is a CTE/JTED class.

Graphic Design 2  
#6410
Graphic Design 2 is designed to be a second level for students interested in continuing their study of the graphic design field. Students will learn more in-depth techniques in Adobe Photoshop CC and Adobe Illustrator CC. Students will also be introduced to Adobe InDesign CC, the industry standard for page layout. Students will investigate more complex concepts and techniques of media arts and graphic design including poster layout, composite photos, package design, logo design and animation. Projects will require the use of creativity and innovation, critical thinking and problem solving and communication.

Grades: 11–12  
Prerequisite: Graphics Design 1  
Fee: $60 lab fee  
Credit: 1 credit, 2 semesters  
* This is a CTE/JTED class.

Graphic Design 3  
#6420
Graphic Design 3 is designed to further develop students’ skills based on commercial and industry-level demands. Projects will include screen printing, posters, brochures, logo design, and other graphic design requests. They will continue to learn techniques and processes in Adobe Photoshop CC, Adobe Illustrator CC and Adobe InDesign CC and acquire higher-level skills in the area of screen printing and digital imaging. Students will work toward industry certification in Adobe Software and are expected to practice the attitude and self-discipline of a working professional.

Grades: 12  
Prerequisite: Graphic Design 2 and teacher approval  
Fee: $60 lab fee  
Credit: 1 credit, 2 semesters  
* This is a CTE/JTED class.

Graphic Design Publication  
#6425
Graphic Design Publication is a course that offers students an opportunity to learn publication skills and commercial art while becoming part of a design team. In addition to learning advanced journalism skills such as interviewing, copy writing, and editing, students will explore the basics of photojournalism, concept design, typography, and publication layout. State-of-the-art digital photography and industry standard publishing programs enhance student processing of an all-digital book. Students will be required to write frequently, conduct interviews, take photographs, meet deadlines, and contribute to the overall production of the book.

Grades: 11–12  
Prerequisite: Graphic Design 1 or Photo 1, and teacher approval  
Fee: $30 lab fee  
Credit: 1 credit, 2 semesters  
Course may be repeated for elective credit.  
* This is a CTE/JTED class.
Theatre Fundamentals
Theatre Fundamentals is an introductory theatre course designed to introduce students to a variety of theatrical elements. Students will spend one semester physically working with professional theatrical equipment and learning the foundation of technical productions in the theatre setting, in addition to providing technical support for the Theatre Department’s seasonal productions. The other semester will engage students in several hands-on independent and collaborative acting projects. Students will examine how theatre artists tell stories through various performance styles including, but not limited to monologues, scenes, improvisation, and stage combat. During these units, students will be introduced to production design as it applies to costumes, make-up, sets, props and staging. Additionally, students will learn to critically examine live theatre performances throughout the course. Students are expected to attend and critique two live theatre performances per semester.

Grades: 9–12
Prerequisite: None
Fee: $40 lab fee (*$20 per semester)
Credit: 1 credit, 2 semesters
Course may NOT be repeated.
* This is a CTE/JTED class.

Intermediate Theatre Production
Intermediate Theatre Productions focuses on the creation of scenery, lighting and sound for the theatre from design concept to construction and implementation. Scenic design concepts, elements and principles, as well as extensive construction techniques will be covered during first semester. Second semester will focus on lighting design including electricity, history of lighting design, technical lighting elements, computer and manual lighting boards, intelligent lighting, and color theory, and sound design including sound equipment usage, theatrical soundboard operation, sound effect techniques, and theatrical sound system design. The class will be directly involved in the design and construction of the Theatre Department’s seasonal production.

Grades: 10–12
Prerequisite: Theatre Fundamentals
Fee: $10 co-curricular fee, $40 lab fee
Credit: 1 credit, 2 semesters
Course may NOT be repeated.
* This is a CTE/JTED class.

Advanced Theatre Production 1
Advanced Theatre Production allows students to explore theatre with an in-depth, hands-on approach. Students are assigned production roles and jobs and continue their design work by applying their skills to actual performances. Integrating knowledge and skills into actual performances allows students to explore and experience the professional nuances of technical theatre.

Grades: 11–12
Prerequisite: Intermediate Theatre Production and teacher approval
Fee: $10 co-curricular fee, $50 lab fee
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Advanced Theatre Production 2
Students in Advanced Theatre Productions 2 are responsible for the design elements of the student-directed shows in the ATP class. All theatrical design jobs will be assigned, and the show will be produced, built and run by the students. Students are assigned production roles and continue their design work by applying their skills to a realized performance.

Grades: 12
Prerequisite: Advanced Theatre Production 1 and teacher approval
Fee: $10 co-curricular fee, $50 lab fee
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Advanced Theatre Production Internship
Students enrolled in Advanced Theatre Production 2 may have the opportunity to participate in a theatre productions internship. Students will be assigned to a period during the school day to assist with Theatre Production classes and/or work independently, as well as have additional after-school hours at the high school or at a local theatre program.

Grades: 12
Prerequisite: Advanced Theatre Production 1 and teacher approval
Corequisite: Advanced Theatre Production 2
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.
Chemistry: Intro to Biotech #4104
Chemistry: Intro to Biotech is a laboratory course that emphasizes essential chemistry concepts in an industry-based lab setting. Students will explore topics such as the structure of matter, bonding, chemical reactions, molar relationships, and periodicity, by exploring biological phenomena using extensive laboratory techniques. Students will be engaged in activities that promote critical analysis, systems thinking, experimental design, and development of higher-level thinking skills. This course is a combination of guided instruction, collaborative learning, and laboratory design with practical applications that will enrich the learning experience of students with varied learning styles. *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.
Grades: 10–11
Prerequisite: Biology and Algebra 1
Recommendations: For students who comprehend scientific concepts with little difficulty and demonstrate some independence and self-direction in their learning. For students who are interested in acquiring skills needed to pursue higher education or to enter workforce in careers related to biomedical and biotechnology fields.
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Applications of Biotech – UA MCB 101 #4107
Applications of Biotech is a laboratory course that emphasizes the role that biotechnology plays in research and industry. Students will apply previously developed knowledge and skills in biotechnology to an industry-based laboratory setting. The course includes topics such as recombinant DNA technology, bacterial transformations, protein identification and isolation, the human genome project, genetic ethics, and laboratory techniques in an industry-based biotechnology lab. Students will also get hands-on experiences working through experimental design and critical analysis using physics-based concepts such as motion and stability, wave phenomena, energy and matter interactions, and electricity and magnetism. Students will create an individual research project that will tie together the skills from the classroom with an investigation of their choosing, and will be given the opportunity to share their projects in a scientific environment. Optional summer internship opportunities are available for students who wish to continue performing scientific research. A large emphasis on collaborative learning and laboratory skills will enrich the learning experience of students with varied learning styles. *(Students interested in earning college credit for UA MCB 101 must register and pay reduced tuition to the UA. Scholarships are available from Pima JTED. See course instructor for more information.)*
Coming in 2021-22.
Grades: 11–12
Prerequisite: “C” or better in Chemistry, H Chem, or Chem: Biotech
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Advanced Biotech – UA MCB 102 (available 2021-22) #4108
Advanced Biotech is an advanced laboratory course utilizing the foundations of chemistry, biology, and biotechnology to study different current issues in the field. Emphasis on laboratory practices along with independent research will culminate in a self-selected research project that will be presented by the student. Options for internships in the community along with guided research mentors will enable students to apply their skills in a biotechnology lab. Students will conduct challenging experiments including isolation of muscle protein, DNA screening, designing and using PCR primers, completing microarrays to determine the differences between cancer and normal cells, and advanced isolation work using a variety of gel electrophoresis techniques. *(Students interested in earning college credit for UA MCB 102 must register and pay reduced tuition to the UA. Scholarships are available from Pima JTED. See course instructor for more information.)*
* This is a CTE/JTED class.
Sports Medicine Pathway
Anatomy & Physiology (Sports Medicine 1) 
Sports Medicine 2
Sports Medicine 3

Anatomy & Physiology (Sports Medicine 1) \(^{HC}\) #4541
Anatomy & Physiology is designed to introduce students to the basics of sports medicine and rehabilitation therapies. It is a hands-on inquiry-based laboratory course that helps students discover the wonders of the human body. The structures and functions of the major body systems will be explored from a sub-cellular level to a multi-cellular organism level. Students will gain extensive knowledge of the human body through lecture, research and reading, and laboratory investigations, including two major dissections. They will learn the basics of anatomy and physiology, CPR, first aid, types and prevention of sports-related injuries, and rehabilitation. Students will also explore medical and allied health care careers. This course is a good introduction for students who are interested in a career in sports medicine athletic training, health and wellness, and physical therapy, and applies to any student interested in discovering the inner workings of the human organism.  *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*
Grades: 10–12
Prerequisites: Recommended “B” or better in Biology AND concurrently enrolled in, or completed, Chemistry or Chemistry: Intro to Biotech.
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Sports Medicine 2 \(^{HC}\) #4548
This course offers students an exciting opportunity to learn more about sports medicine. Students will gain a greater understanding of science and the structure and function of the human body as it relates to injury and illness. The course emphasizes health concepts familiar to medical careers such as anatomy, physiology, and kinesiology. Students will integrate physical skill, clinical experience, and career readiness skills. The main topics of study include recognition of injury, prevention of injury, treatment, injury assessment, evaluation of injury, rehabilitation, emergency care, nutrition, first aid, and CPR.  *Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*
Grades: 11–12
Prerequisite: Anatomy & Physiology (Sports Medicine 1)
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Sports Medicine 3 #4549
Sports Medicine 3 is designed to prepare students for employment opportunities in health care as well as post-secondary academic endeavors. The focus of Sports Medicine 3 is on the application of skills learned in Sports Medicine 1 and 2, with an emphasis on the totality of injury management, which includes pathology, immediate management, diagnostic imaging, definitive and differential diagnosis, medical management, surgical intervention, post-injury and/or post-surgical management, and rehabilitation. Through a combination of collaborative and self-directed projects, students will apply their knowledge in real-world experiences in Tucson-area internships / externships. Students are responsible for evaluating potential internship placements, submitting a letter of intent, and ensuring completion of all appropriate paperwork prior to the beginning of the academic year.
Prerequisite: Sports Medicine 2, Application/Letter of Intent
Grades 11-12
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class.

Engineering Pathway
Introduction to Engineering Design
Principles of Engineering
Engineering Design and Development

Introduction to Engineering Design #4602
Engineering Design introduces aspects of problem solving, logic and relationships. This course emphasizes problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. Topics explored include various technology systems, manufacturing processes, and how technological advances affect society. Students are introduced to the scope, rigor, and discipline of engineering and encouraged to integrate math and science technologies into engineering problem solving processes.
Grades: 9–12
Prerequisite: None
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class

Principles of Engineering #4604
Principles of Engineering is a course designed to integrate math and science skills into engineering/engineering technology. Students will gain an understanding of the intricacies associated with technology systems and engineering problem solving. Students will learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people and solve real world problems. Students will engage in hands-on, real-world projects, to gain an appreciation for social and political consequences of technological change. This course emphasizes the relevancy of math and science skills. Students may elect to earn the Autodesk CAD Industry certification.
Grades: 10–12
Prerequisite: Introduction to Engineering Design and/or Algebra 2
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class

Engineering Design & Development / UA Engineering 102 #4605
Engineering Design and Development is a research course that offers an opportunity for advanced students to research, design, and construct solutions to open-ended engineering problems. Students will work in research teams to collect and analyze data relevant to their project. In an effort to develop additional workplace skills, community mentors will be provided to guide their problem-solving process. Progress reports, data analysis, and a final written report will be presented. This course is designed for the advanced student planning a career in engineering.
(Student interested in earning college credit for UA Engineering 102 must register and pay reduced tuition to the UA. Scholarships are available from Pima JTED. See course instructor for more information.)
Grades: 11–12
Prerequisite: Principles of Engineering, or teacher approval
Co-requisite for UA Engineering 102: Precalculus or AP Calculus AB or BC
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class
Computer Programming #4710
This course introduces students to the fundamental concepts of computer programming such as simple data types, functions, strings, and the basics of object-oriented programming. Hands-on structured lab experiences engage students in individual and/or group problem solving. Students will learn programming using a language such as, but not limited to, Python or Java. With a focus on computational thinking practices, students will solve problems through the design, execution, and refinement of solutions. Other topics include data storage and management; the legal, ethical, and security issues related to information technology; and the employability and leadership skills associated with business and industry in the field of computer science.
Prerequisite: Algebra 1
Grades: 10-12
Credit: 1 credit, 2 semesters
* This is a CTE/JTED class

AP Computer Science A #4750
AP Computer Science A is a college level course that introduces students to computer science through programming. The course emphasizes object-oriented programming and design using the Java programming language. Topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course includes a substantial lab component in which students design solutions to problems, express their solutions precisely, test their solutions, identify and correct errors (when mistakes occur), and compare possible solutions. This course will prepare students for the Advanced Placement AP Computer Science A exam. Note: Students who take an AP class are expected to take the AP exam.
Prerequisite: Software Programming & App Design (2020-2021) or Computer Programming (beginning in 2021-2022)
Grades: 11-12
Credit: 1 credit, 2 semesters
*This is a CTE/JTED class

Advanced Computer Programming (2021-22) #4760

Career Exploration & Consumer Finance #7750
The Career Exploration and Consumer Finance course is centered on building a strong foundation of consumer skills and knowledge. This course is designed to provide students with a broad set of skills on how to better manage life as a working member of the global economy. Coursework and study will focus on consumer awareness, building income and wealth, as well as skills related to engaging with emerging markets. Throughout the semester, students will explore new and emergent career fields related to current market trends and projections. Students will be working with the full suite of Google applications to create items such as investment portfolios, budgets, skills inventories, and presentations.
Grades: 9-12
Prerequisite: None
Credit: .5 credit, 1 semester
Note: This course does not count as credit for FA / CTE graduation requirement but counts as elective credit.

Career Preparation & Personal Finance #7751
The Career Preparation and Personal Finance course is centered on building a strong foundation of financial skills and knowledge to facilitate the creation of a plan to achieve career and personal goals. Covering a broad set of skills to better manage personal finances and build healthy spending habits, students will exit this course with an understanding of what is required to achieve career and lifestyle goals. Coursework and study will focus on personal financial management, effective budgeting, career and workplace preparation, and personal goal setting. Students will be working with the full suite of Google applications to create items such as resumes, personal budgets, presentations, and tax documentation.
Grades: 9-12
Prerequisite: None
Credit: .5 credit, 1 semester
Note: This course does not count as credit for FA / CTE graduation requirement but counts as elective credit.
Special Education

Catalina Foothills High School’s Special Education Department offers an education program that follows the general education curriculum. Special education courses have been developed and are provided for those students with unique needs. CFHS complies with the Individuals with Disabilities Education Act (IDEA) and the inclusive philosophy of the least restrictive environment by mainstreaming students where appropriate. A multi-disciplinary eligibility conference (MET) and an Individual Education Plan (IEP) determine student placement and the specially designed instruction (SDI) required to meet the unique needs of the student. SDI means adapting, as appropriate, the content, methodology, and/or delivery of instruction to address the unique needs of the eligible student, and ensuring access to the general curriculum. Students placed in Special Education complete a course of study that meets competency requirements as prescribed in their IEP. In addition to the following courses, cooperative classes combine Special Education and general education so students can receive content instruction from a teacher specializing in that content area.

Placement in the following classes is by Special Education Teacher and/or IEP Team recommendation. Courses graded as “Pass” (P) or “No Grade” (NG) are not included in the student’s GPA.

Special Education: Academic Support 9–12 #9029-32
This elective course is for students who may require additional time and/or assistance in a core academic course (English, Social Studies or Science). This academic support course is designed to provide assistance through instruction in written expression, reading comprehension, basic reading skills, reading fluency, math calculation, math reasoning, time management, organizational skills, critical reading, note taking, test taking, secondary planning, and other strategies that promote student growth, achievement, and success in accordance with a student’s IEP.
Credit: 1 credit, 2 semesters; Letter grade.
Prerequisite: Students will be placed in this class based on their IEP.

Special Education: English Fundamentals 9–12 #9895-98
This course is designed for students to learn to recognize and effectively use real world text. Students continue to practice basic decoding and word recognition when appropriate as well as recognition and identification of important survival and community words. Students learn to read menus, bus schedules, find information in a newspaper, explore fiction for leisure, and practice writing for functional purposes. This course may be repeated yearly for credit. This course does not meet state standards and graduation requirements for English credit.
Grade: 9–12
Credit: 1 credit, 2 semesters; Letter grade or Pass/No Grade based on IEP.
Prerequisite: Students will be placed in this class based on their IEP.

Special Education: Math Fundamentals 9–12 #9891-94
This course is designed for students to learn the everyday basic math skills to assist them in having the most independent living situation as is appropriate for them. Skills taught are basic money awareness and management from counting coins to maintaining a checking account. Time awareness and management, basic real-world problem solving, computation skills, and kitchen math such as basic fractions and elapsed time. Basic math skills are reviewed. More advanced students will receive instruction in geometry, pre-algebra and survival skills. This course may be
repeated yearly for credit. This course does not meet state standards and graduation requirements for Math credit.

Grade: 9–12
Credit: 1 credit, 2 semesters; Letter grade or Pass/No Grade based on IEP. Prerequisite: Students will be placed in this class based on their IEP.

Special Education: Adult Daily Living Skills  #9927
This course provides students an opportunity to learn academics, socialization, communication skills, pre-vocational/vocational skills, community based instruction, and daily living skills, enabling students to function at their most independent level. This course is considered an elective credit. However, depending on the student’s unique needs identified in the IEP, this course may count for core content credit.

Grade: 9–12
Credit: 1 credit, 2 semesters; Pass/No Grade based on course completion. Prerequisite: Students will be placed in this class based on their IEP.

Special Education: Community Based Instruction  #9945
This course offers students in grades 9-12 first-hand experience learning life skills and vocational / work skills at various locations and businesses in the community. This course is considered an elective credit. However, depending on the student’s unique needs identified in the IEP, this course may count for core content credit.

Grade: 9–12
Credit: 1 credit, 2 semesters; Pass/No Grade based on course completion. Prerequisite: Students will be placed in this class based on their IEP. Course may be repeated for elective credit.

Special Education: Work Experience  #9908
This course provides the basic building blocks for a successful transition into fulfilling post-secondary opportunities in competitive or supported employment. Classroom instruction includes career exploration, appropriate work behavior, and individualized transition goals. Students will begin to explore and research post-secondary interests as they learn the soft skills necessary for employment, such as timelines, effective communication, task completion, teamwork, and working with a supervisor.

Grade: 9–12
Credit: 1 credit, 2 semesters; Pass/No Grade based on course completion. Prerequisite: Students will be placed in this class based on their IEP. Course may be repeated for elective credit.

Special Education: Job Skills  #9950
This course is designed to teach pre-employment skills such as creating and following a schedule, keeping inventory and organizational skills. Students in this course gain experience filling out job applications, creating a resume, and practicing interviewing skills. Students will receive individualized instruction adapted to individual strengths and needs while facilitating growth and increased skills.

Grades: 9–12
Credit: 1 credit, 2 semesters; Pass/No Grade based on course completion. Prerequisite: Students will be placed in this class based on their IEP. Course may be repeated for elective credit.

TSW/Transition from School to Work (Vocational Training)  #9305
Transition from School to work classes offer students an opportunity to receive job training with support in a work setting, on-and-off campus. Areas of focus include, but are not limited to: landscaping and yard work, custodial and maintenance work, car washing, food service, plant nursery operations, childcare, and office assistant work. These classes include instruction in: work attire, preparation for work, safety on the job, appropriate work behavior, interacting with co-workers, communication with supervisors, and problem solving at work.