



# CATALINA FOOTHILLS HIGH SCHOOL

## COURSE GUIDE

2023-2024



*Courtesy of Arizona Daily Star*



*Courtesy of Arizona Daily Star*

*“A Global Learning Community of Academic and Social Excellence”*

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Please check CFHS website for most current edition.

## GENERAL INFORMATION

Catalina Foothills High School (CFHS) is an incredible place to learn! A rich, diverse educational program with challenging course pathways and options allows each student to individualize their course of study based on goals, needs, and interests.

The CFHS Course Guide provides information about graduation requirements, course offerings and descriptions, course credit, grades, Advanced Placement courses, Career and Technical Education pathways, and other special programs. CFHS counselors, teachers, and administrators are prepared to help each student make the most of their opportunities to experience success in school and beyond graduation.

### Catalina Foothills High School Administration

Ms. Jody Brase, Principal

Ms. Jennifer Miller, Assistant Principal, Seniors

Mr. Ryan Tkalcevic, Assistant Principal/Athletic Director, Juniors

Mr. Chris Lambert, Assistant Principal, Sophomores

Ms. Andrea Tellez, Assistant Principal, Freshmen

Ms. Cari Burson, CTE/JTED Director



### NON-DISCRIMINATION/EQUAL OPPORTUNITY POLICY

Catalina Foothills School District (CFSD) is committed to a policy of nondiscrimination in relation to sex (which includes a prohibition against sexual harassment as described in the District's policy concerning sexual harassment), sexual orientation, gender identity or expression, national origin, ethnicity, religion, creed, age, or disability.

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The CFSD Career and Technical Education Program does not discriminate in enrollment or access to any of the programs available, such as Engineering, Graphic Design, Bioscience, Business Management, Sports Medicine, Film and TV, Digital Photography, Computer Programming, and Technical Theatre. The lack of English language skills shall not be a barrier to participation. Program offerings and admission criteria are available in the CFSD High School Counseling Center.

**CATALINA FOOTHILLS HIGH SCHOOL COURSE GUIDE**  
**2023-2024**

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# CREDIT INFORMATION

## Graduation Requirements

To be eligible to receive a diploma from the Catalina Foothills School District, a student must complete the 24 credit requirements shown in the chart below.

DISCIPLINE	REQUIRED COURSES	CREDITS
English	English 9, English 10, English 11, and English 12	4.0
Math	Algebra 1, Geometry, Algebra 2, and additional post-Algebra 2 math	4.0
Science	Biology, Chemistry, and Physics (or physics-based course: Field Science, Astronomy, or Applications of Biotech); or Biology, Physical Science, Earth and Space Science	3.0
Social Studies	Cohorts 2023-2025: Global Issues, Western Civ, US History, and Government (.5) and Economics (.5) Cohort 2026 and beyond: World History, U.S. History, AP Psychology OR Perspectives on Modern History and American Law & Justice, and Government (.5) and Economics (.5)	4.0
World Languages	Spanish or Chinese (or, if transfer, two credits of other approved language)	2.0
Fine Arts or CTE	Varies	1.0
Kinetic Wellness	.5 Health, .5 PE Group Fitness, and .5 PE Individual Fitness	1.5
Electives	Electives	4.5
<b>TOTAL</b>		<b>24.0</b>

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 Description Information and Notations

Each course description explains the general goals of the course and specific knowledge and skills acquired as a result of the course. Also included are course notations as follows:

- 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 instructor's signature.
- Teacher Approval: Requires course instructor's signature.
- Course Fee(s): Students will be charged a fee(s) for materials and/or projects used beyond those needed to meet the basic requirements.

## 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.

## Schedule Changes

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

ACCEPTABLE reasons for a schedule change may include:	UNACCEPTABLE reasons for a schedule change include, but are not limited to:
<ul style="list-style-type: none"> <li>• Failure in a prerequisite course</li> </ul>	<ul style="list-style-type: none"> <li>• A free period or lunch change</li> </ul>
<ul style="list-style-type: none"> <li>• Need to add required course to graduate on time</li> </ul>	<ul style="list-style-type: none"> <li>• A teacher change</li> </ul>
<ul style="list-style-type: none"> <li>• Successfully completed course</li> </ul>	
<ul style="list-style-type: none"> <li>• Medical reasons (requires a doctor's note)</li> </ul>	

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 RF 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.

# HONORS, ADVANCED PLACEMENT, & DUAL ENROLLMENT

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Students have the option to participate in Standard, Honors, Advanced Placement (AP), and Dual Enrollment (DE) 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, and at a faster pace than the standard courses. The more rigorous Honors courses are designed for students who are independent learners, self-motivated, interested in the subject area, 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 <sup>HC</sup>

Honors credit is available in all standard English and Social Studies courses, and in Algebra 1, and select CTE classes, which are designated as <sup>HC</sup> in the course titles. Students who consistently perform at the Honors level (3.5 and above) 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 after the course title on the transcript.

## Honors Eligibility

- **English:** Students who are in Honors English, or are receiving an A in standard English, are eligible for and strongly encouraged to take Honors or AP English. Other students interested in taking Honors or AP English classes may also commit to the more rigorous work. At all levels, English courses award Honors credit to students in standard/non-Honors classes who consistently perform at the Honors level (3.5 and above) in their coursework and assessments.
- **Social Studies:** At all levels, Social Studies courses award Honors credit to students who consistently perform at the Honors level (3.5 and above) 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.

### Information 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 to 8<sup>th</sup> graders in the spring. Students who take Algebra 1 as freshmen may earn Honors credit by performing at the Honors level. Orange Grove and Esperero Canyon students interested in Science Honor courses must have a teacher recommendation. New-to-district students must have received an "A" average (no more than one quarter "B") in 8<sup>th</sup> grade science.

**Note:** Grade review will occur during the summer. Placement in Honors math and science is contingent upon eligibility.

### Advanced Placement (AP) Courses

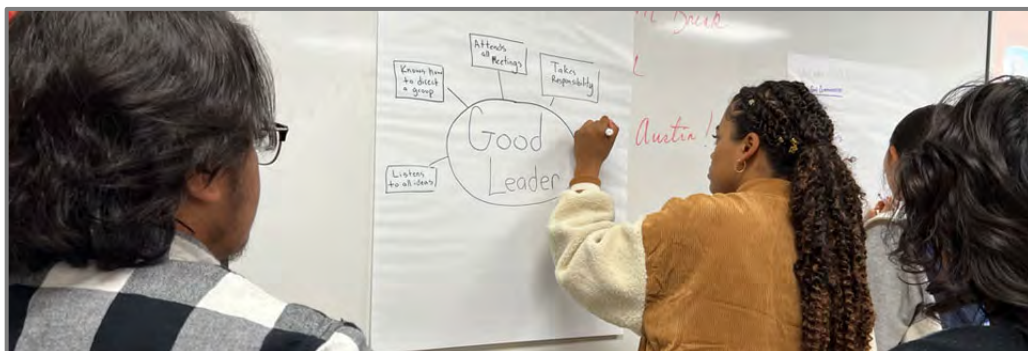
AP Courses are college level classes, taught at the high school, which require significant reading, writing, and independent study. Courses are challenging and offered to academically motivated students who wish to pursue excellence in their studies. AP courses follow a national curriculum prescribed 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](http://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 PROGRAMS & COURSES

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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 offers a robust selection of educational experiences within the following ten (10) CTE programs/pathways:

- Bioscience
- Business Management
- Computer Programming
- Digital Photography
- Early Childhood Education
- Engineering
- Film & Television
- Graphic Design
- Sports Medicine
- Technical Theatre

Additional information about CFHS's CTE/JTED course offerings, descriptions, and prerequisite information can be found on pages 45-56.

## ACADEMIC SERVICE HONORARY

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### 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 & RECOGNITION

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### 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.) Exception: Seniors who are Peer Mentors - which is P/ F - will have quarter GPAs based on their other five CFHS classes.
- 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 7<sup>th</sup> 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.

## Arizona Seal of Biliteracy (optional)

Students who demonstrate proficiency in English and also pass a designated World Languages assessment in Spanish, Mandarin Chinese (simplified or traditional), Arabic, Cantonese, French, German, Hebrew, Hindi, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), or Russian, will be awarded the Arizona Seal of Biliteracy, which will be notated on the transcript and affixed to the diploma.

## Arizona State Seal of Arts Proficiency (optional)

Students who meet the four criteria below will be awarded the Arizona State Seal of Arts Proficiency, which will be notated on the transcript and affixed to the diploma.

1. A final GPA of 3.0 or 4.0 in each qualifying arts/career and technical education (CTE) course.
2. 4 minimum credit requirements in one of the following ways:
  - a. A minimum of 4 credits in one artistic discipline (music, theatre, visual arts, media arts), OR
  - b. 3 credits in one artistic discipline, and 1 qualifying creative industries CTE credit or separate artistic discipline, OR
  - c. 2 credits in one artistic discipline, and 2 credits in a qualifying creative industries CTE course or separate artistic discipline.
3. 80 hours of arts-related extracurricular activities.
4. A student capstone project.

## Honors Diploma

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.

## AP Capstone Diploma

AP Capstone is a diploma program from the College Board based on two yearlong AP courses: AP Seminar and AP Research. Students who earn a score of 3 or higher on the AP Seminar Exam, AP Research Exam, and four other AP Exams, will receive AP Capstone Diploma recognition from The College Board.





## GRADING & GPA

The CFHS grade scale is a rubric model that uses a four-point continuum. This grading model is used to assign a student's final grades at the end of each semester. The grades reflect evidence of student performance and academic growth based on the subject area/course standards and learning goals. The subject area/course standards and learning goals are part of a system of proficiency scales that are used as the basis for instructional planning and assessing student performance. The final grade for a semester is a determination of the student's body of work with consideration of their growth. The average of all course rubric scores is converted to a letter grade on the report card and transcript.

TRANSCRIPT NOTATION & GPA WEIGHT				
<b>Honors courses</b> are identified by an "H" on the student's transcript in the course title, and are weighted an additional .25 weight in the GPA calculation.				
<b>Honors Credit</b> courses are identified with an (H) after the grade on the student's transcript, and are weighted with an additional .25 weight in the GPA calculation for the honors level "A".				
<b>AP courses</b> are identified by "AP" on the student's transcript and are weighted an additional .5 GPA points.				
<b>Dual Enrollment</b> courses are identified as (DE) after the grade on the student's transcript, and are weighted an additional .5 GPA points.				
Earned Weight				
	Standard	Honors Credit	Honors Course	AP/Dual Enrollment
A	4.0	4.25	4.25	4.5
B	3.0	3.0	3.25	3.5
C	2.0	2.0	2.25	2.5
D	1.0	1.0	1.25	1.5
F	0	0	0	0

Note: Grades with + and - do not affect GPA weighting.

CFHS GRADE SCALE		
CFHS adopted a 4.0 rubric grading scale for assigning grades in classes (as opposed to traditional 80%, 90%, etc.). The table below shows the relationship between the rubric score and the letter grade. The average of all course rubric scores for a term will be reflected as a letter grade on the report card and transcript.		
Rubric Score	Letter Grade	Description
4.00-3.57	A+	<b>Highly Proficient</b> Students who consistently perform at the Honors level (3.5 and above) will receive Honors Credit designation for "HC" classes (English, Social Studies, designated others)
3.56-3.34	A	
3.33-3.12	A-	<b>Proficient</b>
3.11-2.90	B+	
2.89-2.67	B	
2.66-2.45	B-	
2.44-2.30	C+	<b>Partially Proficient</b>
2.29-2.15	C	
2.14-2.00	C-	
1.99-1.50	D	<b>Minimally Proficient</b>
1.49-0.00	F	<b>Not Proficient</b>

## STATE ASSESSMENTS

<b>ACT Aspire</b>	Arizona's Statewide Achievement Assessment: Students take English, Reading, Math, Science, and Writing during spring semester of 9 <sup>th</sup> grade.
<b>ACT</b>	Arizona's Statewide Achievement Assessment: Students take English, Reading, Math, Science, and Writing during spring semester of 11 <sup>th</sup> grade.
<b>AzSCI</b>	Arizona's Science Test: Students take the AzSCI during spring semester of 11 <sup>th</sup> grade.
<b>Civics Test</b>	Students are required to pass a state-mandated Civics test to meet graduation requirements. It will be notated on the transcript that a passing score has been achieved. A student who does not obtain a passing score may retake the test until a passing score is obtained.

# ACADEMIC

## DEPARTMENTS & COURSE OFFERINGS

All Catalina Foothills High School programs of study, course offerings, course titles, and course descriptions are approved by the CFSD Governing Board.



### CFHS BY THE NUMBERS:

- 9 departments
- 150+ courses
- 10 CTE/JTED Programs
- 89 classroom teachers
- 1900+ students
- 51 acres
- 7 main buildings
- 92.2% 4-year graduation rate
- 90% of CFHS graduates pursue higher education
- 25+ academic and student-led clubs
- Over \$15 million in scholarships offered to class of 2022



# NEW FOR 2023-2024

## New Program Pathways

### Social Studies (second- and third-year implementation)

#### 2023-2024

- World History, AP World History-Modern (Cohort 2027).....24
- U.S. History or AP U.S. History (Cohorts 2025 and 2026).....25
- U.S. Government or AP U.S. Government AND Economics or AP Microeconomics (Cohort 2024) ..... 26

#### 2024-2025

- World History, AP World History-Modern (Cohort 2028).....24
- U.S. History or AP U.S. History (Cohort 2027).....25
- AP Psychology OR Perspectives on Modern History AND American Law & Justice (Cohort 2026).....27
- U.S. Government or AP U.S. Government AND Economics or AP Microeconomics (Cohort 2025) .....26

### Early Education Program (CTE/JTED)

- Early Education 1 (2023-2024).....50
- Early Education 2 (2024-2025).....50
- Early Education 3 (2025-2026).....50

## New/Revised Courses

### Math

- AP Precalculus (Replaces Honors Precalculus)..... 18

### English

- English 9: Coming of Age ..... 11
- English 10: The Individual and Society..... 11
- English 11: Mirrors and Windows ..... 12
- English 12 Options
  - Persuasion in Pop Culture..... 12
  - Fantasy and Myth ..... 12
  - Mystery and Thriller ..... 13
  - Sci Fi and Dystopia..... 13
  - War and Conflict ..... 13

## Course Title and/or Description Changes

- Creative Writing..... 14
- AP Computer Science Principles.....48



# ENGLISH

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

Honors courses: Students may take a designated Honors course to earn Honors credit (additional .25 weight in the GPA calculation).

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

## ENGLISH 9: COMING OF AGE <sup>HC</sup>

#1100

GRADE:	9
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2

This course examines the universal struggles and triumphs of individuals as they navigate adolescence and the transition into adulthood. Texts may include *The Catcher in the Rye*, *I am Malala*, *Born a Crime*, and *To Kill A Mockingbird*. Students will read and analyze a variety of texts and write and discuss in response to those texts in order to gain a better understanding of themselves and how to communicate effectively with others. The course emphasizes reading and writing of narrative, analytical, and argumentative texts, research 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.*

## HONORS ENGLISH 9: COMING OF AGE

#1103

GRADE:	9
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2

This course examines the universal struggles and triumphs of individuals as they navigate adolescence and the transition into adulthood. Texts may include *The Catcher in the Rye*, *I am Malala*, *Born a Crime*, and *To Kill A Mockingbird*. Students will read and analyze a variety of texts and write and discuss in response to those texts in order to gain a better understanding of themselves and how to communicate effectively with others. The course emphasizes reading and writing of narrative, analytical, and argumentative texts, research and critical thinking skills, as well as the conventions of written English. *As 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.*

## ENGLISH 10: THE INDIVIDUAL AND SOCIETY <sup>HC</sup>

#1120

GRADE:	10
PREREQUISITE:	English 9
CREDIT:	1.0
SEMESTERS:	2

This course examines the interplay between individuals and the societies that they are part of. Students will explore concepts such as individuality, leadership, conformity, community, and belonging. Texts may include *Anthem*, *A Raisin in the Sun*, *Long Way Down*, and *The Hunger Games*. Students will read and analyze a variety of texts and write and discuss in response to those texts in order to gain a more nuanced understanding of society, their relationship with it, and how to communicate effectively with others. The course emphasizes reading and writing of narrative, analytical, and argumentative texts, research 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.*

## HONORS ENGLISH 10: THE INDIVIDUAL AND SOCIETY

#1123

GRADE:	10
PREREQUISITE:	English 9 or Honors English 9
CREDIT:	1.0
SEMESTERS:	2

This course examines the interplay between individuals and the societies that they are part of. Students will explore concepts such as individuality, leadership, conformity, community, and belonging. Texts may include *Anthem*, *A Raisin in the Sun*, *Long Way Down*, and *The Hunger Games*. Students will read and analyze a variety of texts and write and discuss in response to those texts in order to gain a more nuanced understanding of society, their relationship with it, and how to communicate effectively with others. The course emphasizes reading and writing of narrative, analytical, and argumentative texts, research and critical thinking skills, as well as the conventions of written English. *As 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.*

**ENGLISH 11: MIRRORS AND WINDOWS<sup>HC</sup>****#1140**

GRADE:	11	This course will explore the American Experience through multiple perspectives (e.g., individual, cultural, historical). Students will make connections to literature through their own knowledge and experiences (mirrors) as well as through others' lives and experiences (windows). Topics of study may include America's place in the world, the evolution of the American Dream, expressions of identity, and patriotic symbolism. Texts may include <i>Their Eyes Were Watching God</i> ; <i>Sing, Unburied, Sing</i> ; and <i>Into the Wild</i> . Using critical lenses, students will engage in productive and ongoing discourse, deepening their capacity for critical thinking by reading, analyzing, and discussing diverse texts which represent a variety of voices and cultures. The course emphasizes analytical reading and writing of narrative, persuasive, and expository text; literary analysis, critical thinking, research, and oratory skills, as well as the conventions of written English. <i>*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.</i>
PREREQUISITE:	English 10 or Honors English 10	
CREDIT:	1.0	
SEMESTERS:	2	

**AP ENGLISH 11: LANGUAGE AND COMPOSITION****#1154**

GRADE:	11	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. <i>Note: Students who take an AP class are expected to take the AP exam.</i>
PREREQUISITE:	English 10 or Honors English 10	
CREDIT:	1.0	
SEMESTERS:	2	

**ENGLISH 12: PERSUASION IN POP CULTURE<sup>HC</sup>****#1166**

GRADE:	12	This course examines how creators make rhetorical choices across various mediums, such as podcasts, advertisements, poetry, and media. Topics may include consumerism, the rhetorical strategies employed in advertising, and the impact of technology on individuals and societies. Through the examination of short-form non-traditional texts, students will analyze how content creators' choices influence and are influenced by social norms and perspectives. Other texts may include <i>Catch-22</i> , <i>Fahrenheit 451</i> and selections from various nonfiction texts such as <i>The Tipping Point</i> and <i>Writing for the Mass Media</i> . Students will apply a genre-based lens to engage in productive and ongoing discourse, deepening their capacity for critical thinking by reading and analyzing these texts. The course will utilize narrative and expository text, and emphasize synthesis of ideas, literary analysis, critical thinking, research, writing, and oratory skills, as well as the conventions of written English. <i>*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.</i>
PREREQUISITE:	English 11 or AP English 11	
CREDIT:	1.0	
SEMESTERS:	2	
<i>Note: Interested seniors may take AP English 12: Literature and Composition and another English 12 class as an elective</i>		

**ENGLISH 12: FANTASY AND MYTH<sup>HC</sup>****#1167**

GRADE:	12	This course examines different world mythologies and types of fantasy with a focus on the power and purpose of symbolism and metaphor in literature. Texts may include <i>The Hobbit</i> , <i>The Once and Future King</i> , and <i>The Eye of The World</i> . Students will apply a genre-based lens to engage in productive and ongoing discourse, deepening their capacity for critical thinking by reading and analyzing a variety of texts. The course will utilize narrative and expository text, and emphasize synthesis of ideas, literary analysis, critical thinking, research, writing, and oratory skills, as well as the conventions of written English. <i>*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.</i>
PREREQUISITE:	English 11 or AP English 11	
CREDIT:	1.0	
SEMESTERS:	2	
<i>Note: Interested seniors may take AP English 12: Literature and Composition and another English 12 class as an elective.</i>		

**ENGLISH 12: MYSTERY AND THRILLER <sup>HC</sup>****#1182**

GRADE:	12
PREREQUISITE:	English 11 or AP English 11
CREDIT:	1.0
SEMESTERS:	2

*Note: Interested seniors may take AP English 12: Literature and Composition and another English 12 class as an elective.*

This course examines what makes a “good” mystery and the role of suspense in manipulating the audience. The course also explores various authors’ reflections of and reactions to other works within the genre. Topics may include the sensationalism of true crime, the structures of detective fiction, and ghost stories as cultural touchstones. Texts may include *The Maltese Falcon*, *Dracula*, *In Cold Blood*, and *Miss Marple - The Complete Short Stories*. Students will apply a genre-based lens to engage in productive and ongoing discourse, deepening their capacity for critical thinking by reading and analyzing a variety of texts. The course will utilize narrative and expository text, and emphasize synthesis of ideas, literary analysis, critical thinking, research, writing, and oratory 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.*

**ENGLISH 12: SCI FI AND DYSTOPIA <sup>HC</sup>****#1172**

GRADE:	12
PREREQUISITE:	English 11 or AP English 11
CREDIT:	1.0
SEMESTERS:	2

*Note: Interested seniors may take AP English 12: Literature and Composition and another English 12 class as an elective.*

This course examines different types of science fiction texts and the ways in which the genre reflects, critiques, and informs social structures and beliefs. Texts may include *Hitchhiker’s Guide to the Galaxy*, *Feed*, *Frankenstein*, and *Do Androids Dream of Electric Sheep?* The course will examine what makes a utopia versus dystopia as well as the concept of living with artificial intelligence and other potential technological advances. Students will apply a genre-based lens to engage in productive and ongoing discourse, deepening their capacity for critical thinking by reading and analyzing a variety of texts. The course will utilize narrative and expository text, and emphasize synthesis of ideas, literary analysis, critical thinking, research, writing, and oratory 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.*

**ENGLISH 12: WAR AND CONFLICT <sup>HC</sup>****#1192**

GRADE:	12
PREREQUISITE:	English 11 or AP English 11
CREDIT:	1.0
SEMESTERS:	2

*Note: Interested seniors may take AP English 12: Literature and Composition and another English 12 class as an elective.*

This course examines the origins of the rules of warfare and its strategies and the instances of war and conflict affecting participants, survivors, and society as a whole. Texts may include *The Art of War*, *Macbeth*, *Hiroshima*, and *The Things They Carried*. Students will apply a genre-based lens to engage in productive and ongoing discourse, deepening their capacity for critical thinking by reading and analyzing a variety of texts. The course will utilize narrative and expository text, and emphasize synthesis of ideas, literary analysis, critical thinking, research, writing, and oratory 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.*

**AP ENGLISH 12: LITERATURE AND COMPOSITION****#1215**

GRADE:	12
PREREQUISITE:	English 11 or AP English 11
CREDIT:	1.0
SEMESTERS:	2

*Note: Interested seniors may take AP English 12: Literature and Composition and another English 12 class as an elective.*

This college-level course engages students in becoming skilled readers of prose. 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.*



# ENGLISH ELECTIVES

## CREATIVE WRITING: ART, MEANING, AND STORY

#1303

GRADES:	10-12
PREREQUISITE:	English 9
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for credit.	

In this collaborative, process-oriented course, students will explore the role of language and structure in developing meaningful poetry and prose with complex thematic content. Students will learn how to create narratives with interesting and original characters, write realistic and purposeful dialogue, and organize well-structured plots in order to craft engaging screenplays and short stories. Students will learn how to incorporate literary devices into their own writing; format poetry and prose; request, provide, and incorporate feedback through peer critique; and self-examine their work in order to better refine their intended themes. This course emphasizes the analytical reading of expert work in order to shape students' skills in crafting poetic language and developing compelling narratives.

## SPEECH & DEBATE HC

#1322

GRADES:	9-12
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for credit.	

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 coursework and assessments will be awarded Honors credit for this course.*

## SEI TARGETED PULL-OUT CLASS (ELD)

#9850

GRADES:	9-12
PREREQUISITE:	Placement by assessment
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for credit.	

The English Language Development Program is a program for students whose first language is not English. The program is based on the Language Development Approach created by Arizona Unique Populations. The class utilizes the SEI Pull-Out Model. Course curriculum is based on the Arizona English Language Proficiency Standards. In order to qualify for this class, a student must have a level of pre-emergent, emergent, basic, or intermediate on their most recent AZELLA.

## AP SEMINAR

#3502

GRADES:	10-11
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2

AP Seminar is cross-referenced in English, Social Studies, and Science as students have different areas of interest and teachers may vary from year to year.

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).*



## AP RESEARCH

#3503

GRADES:	11-12
PREREQUISITE:	AP Seminar
CREDIT:	1.0
SEMESTERS:	2

AP Research is 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 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.

## STUDENT LEADERSHIP

#7151 SC, #7152 LC, #7153 AD

GRADE:	9-12
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2

Student Leadership is cross-referenced in English and Social Studies.

Course may be repeated for credit.

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.

## PEER CLASSROOM MENTOR

#8012

GRADE:	12
PREREQUISITE:	On track to graduation; 2.5 GPA or higher
CREDIT:	.5 (P/F)
SEMESTERS:	1

Course may be repeated for credit with teacher recommendation.

\*When student is placed, the course code that matches the content area will be used. If no course code for content, #8000 will be used.

This Peer Classroom Mentor course is designed for seniors who want to obtain hands-on leadership, communication, and relationship-building skills by mentoring students in the classroom environment. Peer Classroom Mentors will be given tasks including, but not limited to, assisting the teacher with classroom preparations, reinforcing instructional material with individual students or in small groups, and guiding students with note-taking and study techniques. Peer Classroom Mentors are required to attend their assigned classroom on a daily basis, and model the characteristics of a positive, productive member of the classroom community. They will write a weekly reflection about their goals and accomplishments related to the course competencies, which will be submitted to the classroom teacher. Peer Classroom Mentors are expected to participate in a two-hour training session prior to the start of the semester. Placement will be determined by student application and teacher approval.

#8000: Miscellaneous

#8001: English Language & Lit

#8002: Mathematics

#8003: Social Sciences & History

#8004: Life & Physical Sciences

#8005: Foreign Language & Lit

#8006: Fine & Performing Arts

#8007: Phys, Health, & Safety Ed

#8008: Computer & Info Sciences

#8010: Business & Marketing

#8011: Engineering & Technology

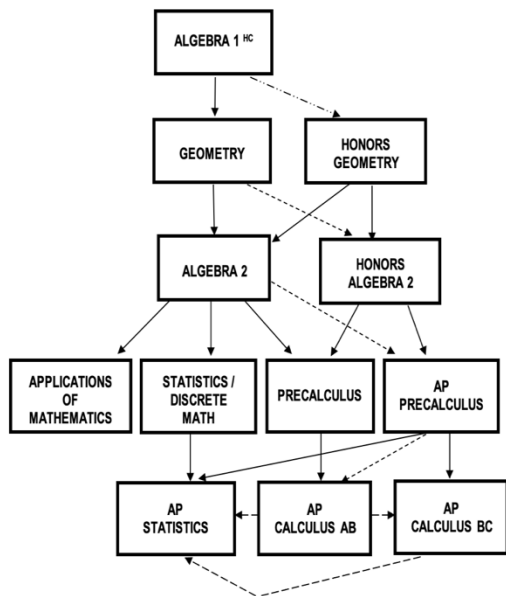




# MATH

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

## CFHS MATH PATHWAY



---► Dashed arrows indicate a possible, but less common path for students.

## 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 / Data Points:

### Honors Eligibility Requirements/Data Points

Current Math Course	Semester 1 Grade	Semester 2 Grade	Semester 1 Honors Final	Semester 2 Honors Final
Honors	3.0	3.0	3.0	3.0
Standard	3.5	3.5	3.0	3.0

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

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.**

## ALGEBRA 1 <sup>HC</sup>

#2000

CREDIT: 1.0  
SEMESTERS: 2

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.*

## GEOMETRY

#2120

PREREQUISITE: Algebra 1  
CREDIT: 1.0  
SEMESTERS: 2

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**

#2123

PREREQUISITES:	Algebra 1 and Honors placement requirements (see pages 4-5)
CREDIT:	1.0
SEMESTERS:	2

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.

**ALGEBRA 2**

#2230

PREREQUISITE:	Algebra 1, Geometry, or Honors Geometry
CREDIT:	1.0
SEMESTERS:	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.

**HONORS ALGEBRA 2**

#2241

PREREQUISITES:	Geometry or Honors Geometry, and Honors placement requirements (see pages 4-5)
CREDIT:	1.0
SEMESTERS:	2

Honors Algebra 2 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.

**APPLICATIONS OF MATHEMATICS**

#2364

PREREQUISITE:	Algebra 2
CREDIT:	1.0
SEMESTERS:	2

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, polynomial functions, exponential growth and decay functions, logarithmic functions, and business and finance applications. Technology, including graphing calculators (TI-84+) and spreadsheet applications, will be used to support coursework. The course 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.

**STATISTICS AND DISCRETE MATHEMATICS**

#2365

PREREQUISITE:	Algebra 2 with 2.45 (B) or better second semester
CREDIT:	1.0
SEMESTERS:	2

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.

**PRECALCULUS**

#2351

PREREQUISITE:	Algebra 2 with 2.45 (B) or better second semester
CREDIT:	1.0
SEMESTERS:	2

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.

**AP PRECALCULUS****#2352**

PREREQUISITE: Honors Algebra 2 and placement requirements (see pages 4-5)

CREDIT: 1.0

SEMESTERS: 2

AP Precalculus is a college-level course that will extend, refine, and advance the study of polynomial, rational, exponential, logarithmic, and trigonometric functions, and will also include a new study of polar functions and functions involving parameters, vectors, and matrices. The course emphasizes deep key function concepts applicable across functions, such as transformations, compositions, and inverses, as well as a rigorous application of algebraic skills needed to engage with each function type. Students will analyze how to use each type of function in application, modeling contexts and data sets. 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. *Note: Students who take an AP class are expected to take the AP exam.*

**AP CALCULUS AB****#2400**

PREREQUISITE: Precalculus or Honors Precalculus (or demonstrated proficiency on Honors Precalculus exemption exam)

CREDIT: 1.0

SEMESTERS: 2

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.*

**AP CALCULUS BC****#2401**

PREREQUISITE: Honors Precalculus or AP Calculus AB\*

CREDIT: 1.0

SEMESTERS: 2

\*Students coming from AP Calculus AB are expected to independently study parametric and polar equations, vectors, sequences, and series to be prepared for the Calculus BC curriculum.

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 take the AP exam.*

**AP STATISTICS****#2402**

PREREQUISITE: Statistics / Discrete Math or successful completion of Honors Precalculus, AP Calculus AB\*, or AP Calculus BC

CREDIT: 1.0

SEMESTERS: 2

\*Students coming from AP Calculus AB are expected to independently study parametric and polar equations, vectors, sequences, and series to be prepared for the Calculus BC curriculum.

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.*

**MATH LAB****#2006**

PREREQUISITE: Placement through proficiency assessment and teacher recommendation

CO-REQUISITE: Concurrent enrollment in the corresponding math class

CREDIT: .5 (Pass/Fail)

SEMESTER: 1

Course may be repeated for credit.

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.

# 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.

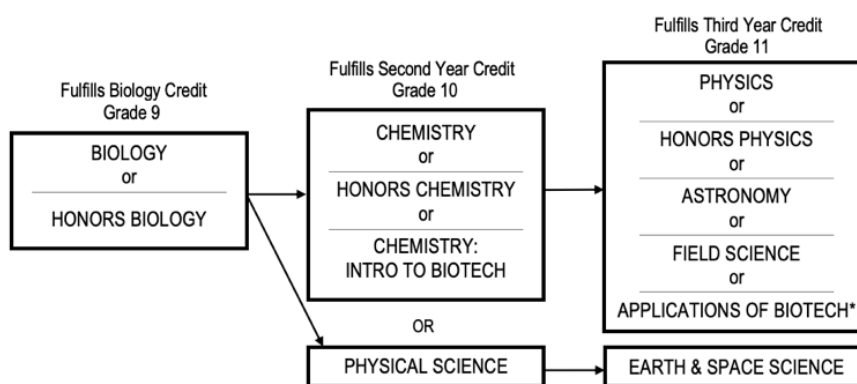
**Second Year (Grade 10)** science requirement may be met with Chemistry, Honors Chemistry, Chemistry: Intro to Biotechnology, or Physical Science.

**Third Year (Grade 11)** science requirement may be met with Physics, Honors Physics, Astronomy, Field Science, Applications of Biotechnology, or Earth and Space Science (if Physical Science in second year).

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.*)

## SCIENCE PATHWAY



\*Preference for Application of Biotech is given to students from Chem: Intro to Biotech.

## SCIENCE ELECTIVES

(See course descriptions for prerequisites)

* Chemistry, Honors Chem, Chem: Intro to Biotech	Anatomy & Physiology (Sports Med 1)
* Physics or Honors Physics	Advanced Biotechnology
* Astronomy	H Advanced Field Science
* Field Science	AP Biology
* Physical Science	AP Chemistry
* Earth and Space Science	AP Physics C
* Applications of Biotechnology	AP Environmental Science
* Any of these science options may be taken as an Elective if not already used to fulfill a science graduation requirement.	

## BIOLOGY

#4000

GRADE:	9
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2

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.

## HONORS BIOLOGY

#4010

GRADE:	9
PREREQUISITE:	OG/EC students: Recommended for students with a 3.0 rubric grade or better in middle school; New-to-CFSD: an "A" average (no more than one quarter B) in 8 <sup>th</sup> grade Science.
CREDIT:	1.0
SEMESTERS:	2
RECOMMENDATION:	For students with strong oral and written communication skills; excellent work ethic and organizational skills; a high level of independence.

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.

## CHEMISTRY

#4110

GRADE:	10
PREREQUISITES:	Biology, Algebra 1
CREDIT:	1.0
SEMESTERS:	2

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.

## CHEMISTRY: INTRO TO BIOTECH <sup>HC</sup>

#4104

GRADE:	10
PREREQUISITES:	Biology, Algebra 1
CREDIT:	1.0
SEMESTERS:	2
RECOMMENDATION:	For students who comprehend scientific concepts with little difficulty and demonstrate independence and self-direction in their learning. For students who are interested in acquiring the skills needed to pursue higher education or to enter workforce in careers related to biomedical and biotechnology fields.
	This is a CTE/JTED class.

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.*

## HONORS CHEMISTRY

#4130

GRADE:	10
PREREQUISITES:	"B" or better in H Biology (or an "A" in Biology), and "B" in Algebra 1, and Teacher Recommendation
CREDIT:	1.0
SEMESTERS:	2

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.

## PHYSICAL SCIENCE

#4135

GRADE:	10
PREREQUISITE:	Biology
CREDIT:	1.0
SEMESTERS:	2

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; kinematics, and Newton's Laws.

## EARTH AND SPACE SCIENCE

#4470

GRADE:	11
PREREQUISITE:	Biology, Physical Science
CREDIT:	1.0
SEMESTERS:	2

*Note: Students who have completed their third-year science requirement may take this course as a senior elective.*

Earth and Space Science is a laboratory course that will focus on planet Earth and its place in the universe. Students will actively use the science and engineering practices such as critical thinking, modeling, experimentation, and systems thinking to study space, geologic phenomena and the forces that shape our world. Students will explore the Earth's spheres including the geosphere, hydrosphere, and atmosphere, in addition to major Earth cycles such as the water, rock, and carbon cycles. Other topics of study include Earth's natural resources and hazards, human and natural influences on Earth systems, planetary motion, stellar evolution, and the nature of the universe.

## PHYSICS

#4230

GRADE:	11
PREREQUISITE:	Chemistry
MATH PREREQUISITE:	Algebra 2 or concurrent enrollment
CREDIT:	1.0
SEMESTERS:	2

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 based and requires less intensive mathematical analysis than Honors Physics.

## HONORS PHYSICS

#4233

GRADE:	11
PREREQUISITES:	"B" in H Chemistry (or "A" in Chemistry) and teacher recommendation
MATH PREREQUISITE:	H Geometry or Algebra 2
CREDIT:	1.0
SEMESTERS:	2

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.

## ASTRONOMY

#4490

GRADE:	11
PREREQUISITE:	Chemistry
CREDIT:	1.0
SEMESTERS:	2

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.

## FIELD SCIENCE

#4460

GRADE:	11
PREREQUISITE:	Chemistry
CREDIT:	1.0
SEMESTERS:	2

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.



## APPLICATIONS OF BIOTECH - UA MCB 101

#4107

GRADE:	11
PREREQUISITE:	"C" or better in Chemistry, H Chemistry, or Chemistry: Intro to Biotech
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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. An emphasis on collaborative learning and laboratory skills will enrich the learning experience of students with varied learning styles. 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. *(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.)*

## SCIENCE ELECTIVES

**NOTE:** Students may take Chemistry, Honors Chemistry, Physics, Honors Physics, Field Science, Astronomy, Earth and 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.

### HONORS ADVANCED FIELD SCIENCE

#4543

GRADE:	12
PREREQUISITES:	Minimum "B+" average in Field Science and teacher recommendation
CREDIT:	1.0
SEMESTERS:	2

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.

### ANATOMY & PHYSIOLOGY (Sports Medicine 1) <sup>HC</sup>

#4541

GRADES:	10-12
PREREQUISITES:	"B" or better in Biology AND concurrently enrolled in, or completed Chemistry, Chemistry: Intro to Biotech, Honors Chemistry
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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.*



**ADVANCED BIOTECH - UA MCB 102****#4108**

GRADE:	12
PREREQUISITE:	"C" or better in Applications of Biotech
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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.)*

**AP BIOLOGY****#4544**

GRADES:	11-12
PREREQUISITES:	"B" in H Biology (or "A" in Biology) and "B" in H Chemistry (or "A" in Chemistry)
CREDIT:	1.0
SEMESTERS:	2
RECOMMENDATION:	Anatomy & Physiology (Sports Med 1) as prior or concurrent course.

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. *Note: Students who take an AP class are expected to take the AP exam.*

**AP CHEMISTRY****#4545**

GRADES:	11-12
PREREQUISITES:	"B" in H Chemistry (or "A" in Chemistry) and teacher recommendation.
CREDIT:	1.0
SEMESTERS:	2

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. *Note: Students who take an AP class are expected to take the AP exam.*

**AP PHYSICS C****#4547**

GRADE:	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:	1.0
SEMESTERS:	2

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. *Note: Students who take an AP class are expected to take the AP exam.*

**AP ENVIRONMENTAL SCIENCE****#4546**

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:	1.0
SEMESTERS:	2

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.*



**AP Seminar**

**#3502**

Interdisciplinary AP elective. See description under English.

**AP Research**

**#3503**

Interdisciplinary AP elective. See description under English.

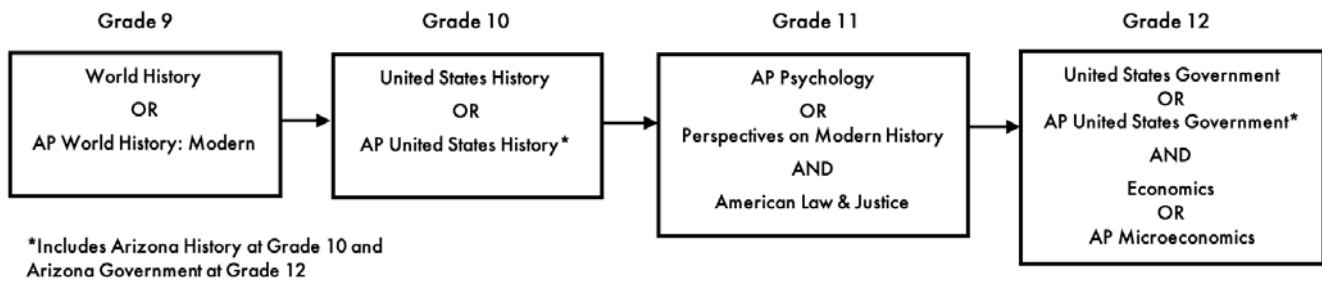
**SOCIAL STUDIES**

Four years (4 credits) required for CFSD graduation: World History, U.S. History, AP Psychology or Perspectives on Modern History and American Law & Justice, .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.

**SOCIAL STUDIES PATHWAY**



**WORLD HISTORY**

**#3205**

GRADE:	9
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2

In World History, students will use an inquiry approach to study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. Topics include, but are not limited to, world belief systems, interregional interactions, revolutions in thought and political revolutions, global rise of nation states, World Wars, Holocaust and other genocides, Cold War, global imperialism, decolonization, democratization and its legacy Asia, Africa, and Latin America. Students will examine primary and secondary source material about the time periods and topics under study, and analyze the claims, evidence, and reasoning within sources. Emphasis is on the interaction among world cultures, the relationship between geography and history, and putting historical developments in context and making connections between them. Students will use critical thinking skills and processes to conduct inquiry-based research, participate in interactive discussions, and make informed and reasoned decisions. Students will generate claims or theses about topics or issues and explain and support them in writing. \*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.



**AP WORLD HISTORY: MODERN****#3500**

GRADE:	9
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2
RECOMMENDATION:	For students with strong oral and written communication skills; excellent work ethic and organizational skills; a high level of independence.
<i>Note: Students in grades 10-12 may take this course as an elective if space is available.</i>	

AP World History: Modern is a college level course that uses an inquiry approach to study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. Topics include, but are not limited to, world belief systems, interregional interactions, revolutions in thought and political revolutions, global rise of nation states, World Wars, Holocaust and other genocides, Cold War, global imperialism, decolonization, democratization and its legacy Asia, Africa, and Latin America. Students will examine primary and secondary source material about the time periods and topics under study, and analyze the claims, evidence, and reasoning within sources. Emphasis is on the interaction among world cultures, the relationship between geography and history, and putting historical developments in context and making connections between them. Students will use critical thinking skills and processes to conduct inquiry-based research, participate in interactive discussions, and make informed and reasoned decisions. Students will generate claims or theses about topics or issues and explain and support them in writing. This course prepares students to take the AP World History (Modern) exam. *\*Note: Students who take an AP class are expected to take the AP exam.*

**U.S. HISTORY <sup>HC</sup>****#3241**

GRADE:	10
PREREQUISITE:	World History or AP World History
CREDIT:	1.0
SEMESTERS:	2

This course uses an inquiry approach to study the growth and development of the United States from independence to the present. Emphasis is on the founding principles of democracy and the experiences of the American people in transforming their society from colonies to a world power. The course will include topics such as the Revolutionary War, forming of a government, Westward Expansion, Civil War, Reconstruction, Industrial Revolution, Spanish-American War, World War I, Depression, World War II, Cold War, and the Civil Rights Movement. Students will put historical developments in context, making connections between them. They will examine primary and secondary source material about the time periods and topics under study, and analyze the claims, evidence, and reasoning within sources. Students will use critical thinking skills to conduct inquiry-based research, participate in interactive discussions, and make informed and reasoned decisions. They will generate claims or theses about topics or issues and explain and support them in writing. Arizona history is integrated into both semesters. Emphasis is on how Arizona and its diverse cultures and individuals contribute to United States history. *\*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*

**U.S. HISTORY <sup>HC</sup>****#3240**

GRADE:	11
PREREQUISITE:	Western Civilization or AP European History
CREDIT:	1.0
SEMESTERS:	2

This course uses an inquiry approach to study the growth and development of the United States from independence to the present. Emphasis is on the founding principles of democracy and the experiences of the American people in transforming their society from colonies to a world power. The course will include topics such as the Revolutionary War, forming of a government, Westward Expansion, Civil War, Reconstruction, Industrial Revolution, Spanish-American War, World War I, Depression, World War II, Cold War, and the Civil Rights Movement. Students will put historical developments in context, making connections between them. They will examine primary and secondary source material about the time periods and topics under study, and analyze the claims, evidence, and reasoning within sources. Students will use critical thinking skills to conduct inquiry-based research, participate in interactive discussions, and make informed and reasoned decisions. They will generate claims or theses about topics or issues and explain and support them in writing. Arizona history is integrated into both semesters. Emphasis is on how Arizona and its diverse cultures and individuals contribute to United States history. *\*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*



**AP U.S. HISTORY<sup>HC</sup>****#3351**

GRADE:	10
PREREQUISITE:	World History or AP World History
CREDIT:	1.0
SEMESTERS:	2

In this course, students will use an inquiry approach to study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. Emphasis is on the founding principles of democracy and the experiences of the American people in transforming their society from colonies to a world power. The course will include topics such as the Revolutionary War, forming of a government, Westward expansion, Civil War, Reconstruction, Industrial Revolution, Spanish-American War, World War I, Depression, World War II, Cold War, and the Civil Rights Movement. Students will put historical developments in context, making connections between them. They will examine primary and secondary source material about the time periods and topics under study, and analyze the claims, evidence, and reasoning within sources. Students will use critical thinking skills and processes to conduct inquiry-based research, participate in interactive discussions, and make informed and reasoned decisions. They will generate claims or theses about topics or issues and explain and support them in writing. Arizona history will be integrated into both semesters. Emphasis will be on how Arizona and its diverse cultures and individuals contribute to United States history. This course prepares students to take the AP United States History exam. *\*Note: Students who take an AP class are expected to take the AP exam.*

**AP U.S. HISTORY****#3356**

GRADE:	11
PREREQUISITE:	Western Civilization or AP European History
CREDIT:	1.0
SEMESTERS:	2

In this course, students will use an inquiry approach to study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. Emphasis is on the founding principles of democracy and the experiences of the American people in transforming their society from colonies to a world power. The course will include topics such as the Revolutionary War, forming of a government, Westward expansion, Civil War, Reconstruction, Industrial Revolution, Spanish-American War, World War I, Depression, World War II, Cold War, and the Civil Rights Movement. Students will put historical developments in context, making connections between them. They will examine primary and secondary source material about the time periods and topics under study, and analyze the claims, evidence, and reasoning within sources. Students will use critical thinking skills and processes to conduct inquiry-based research, participate in interactive discussions, and make informed and reasoned decisions. They will generate claims or theses about topics or issues and explain and support them in writing. Arizona history will be integrated into both semesters. Emphasis will be on how Arizona and its diverse cultures and individuals contribute to United States history. This course prepares students to take the AP United States History exam. *\*Note: Students who take an AP class are expected to take the AP exam.*

**UNITED STATES GOVERNMENT<sup>HC</sup>****#3360**

GRADE:	12
PREREQUISITE:	U.S. History
CREDIT:	.5
SEMESTERS:	1

In this one-semester course, students will use an inquiry approach to study the fundamentals of government on the national, state, local, and tribal levels with a focus on the principles and beliefs upon which the United States was founded. Other topics include the three branches of government, legal rights and responsibilities of American citizenship, and the roles of individuals and groups in the American political system. Students will use critical thinking skills and processes to examine current events, issues, and policies. They will conduct research, participate in interactive discussions, and make informed and reasoned decisions. They will generate claims or theses, explaining and supporting them in writing. Arizona government will be integrated into the course content. *\*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*

**AP UNITED STATES GOVERNMENT****#3363**

GRADE:	12
PREREQUISITE:	U.S. History
CREDIT:	.5
SEMESTERS:	1

This one semester course provides students with an overview of the American system of government. Students will use an inquiry approach to study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will use critical thinking skills and processes to conduct inquiry-based research, participate in interactive discussions, and make informed and reasoned decisions. Students will read and interpret data, and generate claims or theses, explaining and supporting them in writing. Arizona government will be integrated into the course content. Students will complete a political science or applied civics project. *\*Note: Students who take an AP class are expected to take the AP exam.*

## ECONOMICS <sup>HC</sup>

#3363

GRADE:	12
PREREQUISITE:	U.S. History
CREDIT:	.5
SEMESTERS:	1

In this one-semester course, students will use an inquiry approach to explore the economic reasoning process to make informed decisions in a wide variety of contexts. Students will be introduced to basic economic principles and theory, how society counters unlimited wants with limited resources, and the government's role in the economy. Other topics include economic systems, supply and demand, money systems, banking and investing, the global economy, as well as personal finance. Students will examine primary and secondary sources, and will use graphs, charts, and data to analyze, describe, and explain economic concepts. *\*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*

## AP MICROECONOMICS

#3403

GRADE:	12
PREREQUISITE:	U.S. History
CREDIT:	.5
SEMESTERS:	1

AP Microeconomics is a one-semester course, students will use an inquiry approach to study the principles of economics that apply to the behavior of individuals within an economic system. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students will use graphs, charts, and data to analyze, describe, and explain economic concepts. They will explore economic principles and models, determine outcomes of specific economic contexts, and model economic situations using graphs or visual representations. This course prepares students to take the AP Microeconomics exam. *\*Note: Students who take an AP class are expected to take the AP exam.*

### Coming 2024-2025 (beginning with the class of 2026)

- AP Psychology (Grade 11, 2 semesters - 1 credit)
- American Law & Justice (Grade 11, 1 semester - .5 credit)
- Perspectives on Modern History (Grade 11, 1 semester - .5 credit)

*Note: Students will select AP Psychology (2 semesters) OR American Law & Justice (1 semester) and Perspectives on Modern History (1 semester). Students must take both one-semester courses if not selecting AP Psychology.*

## SOCIAL STUDIES ELECTIVES

### STUDENT LEADERSHIP

#7151 SC, #7152 LC, #7153 AD

GRADES:	9-12
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for credit.	
<i>*Student Leadership is cross-referenced in English and Social Studies.</i>	

The Student Leadership course is 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.

### AP Seminar

#3502

*Interdisciplinary AP elective. See description under English.*

### AP Research

#3503

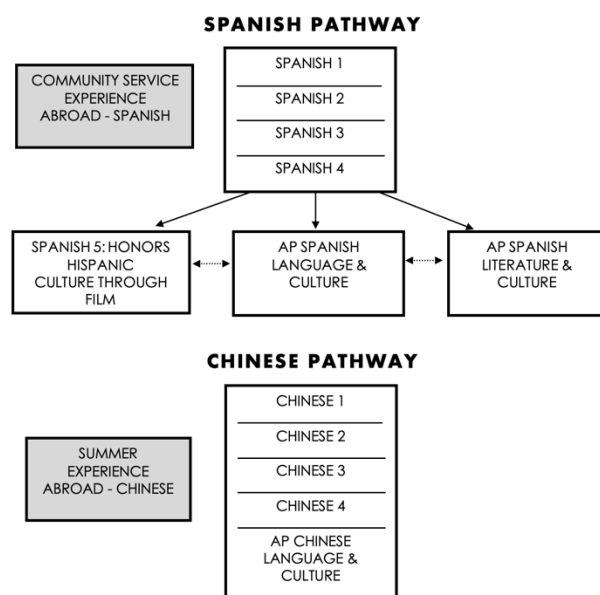
*Interdisciplinary AP elective. See description under English.*



## WORLD LANGUAGES

Two years (2 credits) in the same language are 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

GRADES:	9-12
PREREQUISITE:	None
TARGETED OUTCOME:	Novice High-Speaking
CREDIT:	1.0
SEMESTERS:	2

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.

### SPANISH 2

#5322

GRADES:	9-12
PREREQUISITE:	Novice High-Speaking
TARGETED OUTCOME:	Intermediate Low-Speaking
CREDIT:	1.0
SEMESTERS:	2

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.

**SPANISH 3**

#5328

GRADES:	9-12	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	
CREDIT:	1.0	
SEMESTERS:	2	

**SPANISH 4: ANCIENT AND MODERN CIVILIZATIONS**

#5330

GRADES:	9-12	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	
CREDIT:	1.0	
SEMESTERS:	2	

**HONORS SPANISH 5: HISPANIC CULTURE THROUGH FILM**

#5360

GRADES:	11-12 (or 10 with Teacher Recommendation)	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. Some written assignments may be completed in Spanish or English, based on the teacher's discretion.
PREREQUISITES:	Intermediate High-Listening and successful completion of Spanish 4, or Teacher Recommendation	
TARGETED OUTCOME:	Intermediate High to Advanced Low-Listening	
CREDIT:	1.0	
SEMESTERS:	2	

**AP SPANISH LANGUAGE AND CULTURE**

#5436

GRADES:	11-12 (or 10 with Teacher Recommendation)	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. <i>Note: Students who take an AP class are expected to take the AP exam.</i>
PREREQUISITES:	Intermediate Mid-Speaking, successful completion of Spanish 4, and Teacher Recommendation	
TARGETED OUTCOME:	Intermediate High to Advanced Low-Speaking	
CREDIT:	1.0	
SEMESTERS:	2	

**AP SPANISH LITERATURE AND CULTURE**

#5437

GRADES:	11-12 (or 10 with Teacher Recommendation)	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. <i>Note: Students who take an AP class are expected to take the AP exam.</i>
PREREQUISITES:	Intermediate High to Advanced Low- Speaking, Advanced Low-Reading, Intermediate Mid- Writing, and Teacher Recommendation	
TARGETED OUTCOMES:	Advanced Low/Mid- Speaking, Advanced Mid-Reading, Intermediate High- Writing	
CREDIT:	1.0	
SEMESTERS:	2	

**COMMUNITY SERVICE ABROAD - SPANISH****#5440**

APPLICATION AND FEES: Contact Amigos de las Américas
CREDIT: 1.0 (Elective)
Elective credit is received upon demonstration of improved proficiency by one sub-level; credit cannot be used to fulfill graduation credit requirements for World Languages.

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.

**Mandarin Chinese****CHINESE 1****#5510**

GRADES: 9-12
PREREQUISITE: None
TARGETED OUTCOMES: Novice Mid-Speaking, Novice High- Listening, Novice Low- Reading, Writing
CREDIT: 1.0
SEMESTERS: 2

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.

**CHINESE 2****#5520**

GRADES: 9-12
PREREQUISITE: Novice Mid- Speaking, Novice High- Listening, Novice Low- Reading, Writing
TARGETED OUTCOMES: Novice High-Speaking, Intermediate Low- Listening, Novice Mid- Reading, Writing
CREDIT: 1.0
SEMESTERS: 2

This course is for students who have acquired Novice-Mid 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.

**CHINESE 3****#5530**

GRADES: 9-12
PREREQUISITES: Novice High-Speaking, Intermediate Low-Listening, Novice Mid-Reading, Writing
TARGETED OUTCOMES: Intermediate Low- Speaking, Intermediate Mid-Listening, Novice High- Reading, Writing
CREDIT: 1.0
SEMESTERS: 2

This course is for students who have acquired Novice High 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).

**CHINESE 4****#5540**

GRADES: 9-12
PREREQUISITES: Intermediate Low-Speaking, Intermediate Mid- Listening, Novice High- Reading, Writing
TARGETED OUTCOMES: Intermediate Mid- Speaking, Intermediate High-Listening, Intermediate Low- Reading, Writing
CREDIT: 1.0
SEMESTERS: 2

This course is for students who have acquired Intermediate-Low 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).

## AP CHINESE LANGUAGE AND CULTURE

#5550

GRADES:	11-12 (or 10 with Teacher Recommendation)	This course is for students who have acquired Intermediate-Low 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).
PREREQUISITES:	Intermediate Mid-Speaking, Intermediate High- Listening, Intermediate Low- Reading, Writing	
TARGETED OUTCOMES:	Intermediate High- Speaking, Advanced Low- Listening, Intermediate Mid- Reading, Writing	
CREDIT:	1.0	
SEMESTERS:	2	

## SUMMER EXPERIENCE ABROAD - CHINESE

GRADES:	10-12 (with Teacher Recommendation)	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. This study abroad experience is chaperoned by a CFSD staff member.
PREREQUISITE:	Proficiency in Chinese is not a prerequisite for participation in the program.	
FEE:	To Be Determined	
CREDIT:	No credit	
SEMESTERS:	2	

## FINE ARTS

**One year (1 credit) of Fine Art (Performing Art or Visual Art) or CTE coursework is 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

GRADES:	9-12	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.
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 for one semester)	
CREDIT:	1.0	
SEMESTERS:	2	

Course may be repeated for elective credit.

### SYMPHONIC BAND

#6011

GRADES:	9-12	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.
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 for one semester)	
CREDIT:	1.0	
SEMESTERS:	2	

Course may be repeated for elective credit.



**WIND ENSEMBLE****#6020**

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 for one semester)
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Wind Ensemble is an advanced large concert ensemble composed of the most highly skilled woodwind, brass, and percussion musicians at Catalina Foothills High School. Emphasis is placed on the development of advanced individual and ensemble performance skills as well as an in-depth understanding a variety of wind band literature. Students are expected to practice the attitude and self-discipline of a working musician. 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.

**SMALL ENSEMBLES****#6021**

GRADES:	9-12
PREREQUISITE:	Director consent. Auditions for all woodwind, brass, and percussion musicians will be held prior to course selection.
FEE:	\$25 co-curricular
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

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 on 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.

**DRUM LINE/PERCUSSION****#6032**

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:	1.0
SEMESTERS:	2
<i>Note: Participants must continue in Drum Line or enroll in one of the other bands second semester.</i>	
Course may be repeated for elective credit.	

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.

**COLORGUARD****#6041**

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
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

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.

**JAZZ COMBO**

#6028

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 for one semester).
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

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.

**JAZZ BAND**

#6029

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 for one semester).
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

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.

**CONCERT ORCHESTRA**

#6013

GRADES:	9-12
PREREQUISITE:	2-3 years of playing experience or concurrent private lessons.
FEES:	\$25 co-curricular, \$55 travel, \$95 if instrument rental (\$50 if instrument rental for one semester).
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Concert Orchestra is a large ensemble composed of violin, viola, cello, bass and harp musicians and is open to students with two to three years of playing experience. Beginning students or students interested in playing a secondary string instrument may enroll with instructor permission. Emphasis is on the development of characteristic tone, rhythm/bowing skills, finger patterns, music reading skills and ensemble performance through the study of string literature from various genres and styles. In addition to music performance skills, students will have the opportunity to develop teamwork and collaboration skills through a variety of activities including concerts, festivals, regional auditions, state solo/ensemble festivals and travel opportunities. Note: Harp players are welcome in the ensemble with concurrent private instruction outside of the class. Harp players will learn ensemble and general musicianship skills in this class; however, the course does not provide instruction on harp technique.

**SINFONIA ORCHESTRA**

#6014

GRADES:	9-12
PREREQUISITE:	Director consent. Auditions will be held prior to course selection.
FEES:	\$25 co-curricular, \$55 travel, \$95 if instrument rental (\$50 if instrument rental for one semester).
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Sinfonia Orchestra is an advanced ensemble composed of violin, viola, cello, bass and harp musicians and is open to students by audition. Emphasis is on the development of characteristic tone, rhythmic/bowing skills, music reading skills and ensemble performance through the study of a wide variety of intermediate and advanced string literature. In addition to music performance skills students will have the opportunity to develop teamwork and collaboration skills through a variety of activities including concerts, festivals, regional auditions, state solo/ensemble festivals and travel opportunities. Students who have successfully completed Concert Orchestra during their sophomore year may advance to Sinfonia Orchestra without audition.

**SYMPHONIC STRINGS**

#6012

GRADES:	9-12
PREREQUISITE:	Director consent. Auditions will be held prior to course selection.
FEES:	\$25 co-curricular, \$55 travel, \$95 if instrument rental (\$50 if instrument rental for one semester).
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Symphonic Strings is an advanced ensemble composed of the most highly skilled violin, viola, cello, bass and harp musicians at Catalina Foothills High School. Emphasis is placed on the development of individual and ensemble performance skills as well as an in-depth understanding of a variety of string and symphonic orchestra literature. Students are expected to practice the attitude and self-discipline of a professional musician. In addition to music performance skills, students will have the opportunity to develop teamwork and collaboration skills through a variety of activities including concerts, festivals, regional auditions, state solo/ensemble festivals and travel opportunities. Admission is by audition only. This ensemble will combine with wind players from the Wind Ensemble during the spring semester to perform full orchestra literature.

**BEGINNING STEEL DRUMS - SEMESTER**

#6037

GRADES:	9-12
PREREQUISITE:	None
FEES:	\$15 co-curricular, \$15 tuning fee
CREDIT:	.5
SEMESTERS:	1.0
Course may be repeated for elective credit.	

Beginning Steel Drums is open to all students interested in learning the technique of steel band playing. The course covers traditional Trinidadian aural learning, development of steel drum sound/proper tone quality, basic music reading, and the history of steel drums. Repertoire will include Caribbean and American Popular Music. Students will learn ensemble performance techniques through concert performances presented during the semester. In addition to musical performance skills, students will have the opportunity to develop teamwork and collaboration skills required of a musical group.

**BEGINNING STEEL DRUMS - YEAR**

#6038

GRADES:	9-12
PREREQUISITE:	None
FEES:	\$25 co-curricular, \$25 tuning fee
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Beginning Steel Drums is open to all students interested in learning steel band playing techniques. The course covers traditional Trinidadian aural learning, development of steel drum sound/proper tone quality, basic music reading, and the history of steel drums. Repertoire will include Caribbean and American Popular Music. Students will learn ensemble performance techniques through concert performances presented during the semester. In addition to musical performance skills students will have the opportunity to develop teamwork and collaboration skills required of a musical group.

**INTERMEDIATE STEEL DRUMS**

#6039

GRADES:	9-12
PREREQUISITES:	Director consent. One semester of Beginning Steel Drums.
FEES:	\$25 co-curricular, \$25 tuning fee
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Intermediate Steel Drums is open to all students interested in learning or continuing to improve their understanding of music reading, listening, improvisation, music theory applications, and steel band playing techniques through the performance of Caribbean traditional and popular music, Classical, and other World music. In addition to musical performance skills students will have the opportunity to develop teamwork and collaboration skills required of a musical group. Students will learn ensemble performance techniques through Concert Performances presented during the semester. As skills develop, public performances will be scheduled.

**ADVANCED STEEL DRUMS**

#6040

GRADES:	10-12
PREREQUISITES:	Director consent. Two semesters of Steel Drums.
FEES:	\$25 co-curricular, \$55 travel, \$25 tuning fee
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Advanced Steel Drums is designed for students who have prior steel drum, percussion, or instrumental music experience. Students will learn advanced music ensemble concepts such as: sight reading music, memorization of music, improvisation, reading chord charts, and high-level listening skills. Repertoire includes Caribbean, World, Classical, and American popular music. In addition to musical performance skills students will have the opportunity to develop teamwork and collaboration skills required of a musical group. Students will learn ensemble performance techniques for various venues through concert performances presented during the semester. Several performances will be scheduled on and off campus.

**BEGINNING GUITAR****#6043**

GRADES:	9-12
PREREQUISITE:	None
FEE:	\$35 lab fee
CREDIT:	1.0
SEMESTERS:	2

Course may be repeated for elective credit.

Beginning Guitar introduces the student to the guitar and playing techniques. This course, designed for beginners, includes note reading, rhythms and basic guitar skills. Both individual and group studies are included. Public performance is a possibility. Classical acoustic guitars will be provided for class instruction, but it is recommended that students have access to a classical acoustic guitar for home practice.

**INTERMEDIATE GUITAR****#6044**

GRADES:	9-12
PREREQUISITE:	Beginning Guitar or Director consent. Auditions will be held prior to course selection.
FEE:	\$35 lab fee
CREDIT:	1.0
SEMESTERS:	2

Course may be repeated for elective credit.

Intermediate Guitar is a continuation of Beginning Guitar. An entrance audition is required if Beginning Guitar was not taken. Students will study more advanced chords, rhythms, note reading, and harmony techniques. Both individual and group studies are included. Public performance is a possibility. Placement is by teacher recommendation/audition. Classical acoustic guitars will be provided for class instruction, but it is recommended that students have access to a classical acoustic guitar for home practice.

**ADVANCED GUITAR /GUITAR ENSEMBLE****#6045**

GRADES:	9-12
PREREQUISITE:	Intermediate Guitar or Director consent. Auditions will be held prior to course selection.
FEE:	\$35 lab fee
CREDIT:	1.0
SEMESTERS:	2

Course may be repeated for elective credit.

Advanced Guitar is a continuation of Intermediate Guitar. Emphasis is on advanced note reading and rhythms, and use of upper positions and solo playing. Instruction in solo and ensemble performance is included. Public performance is a possibility. Placement is by teacher recommendation/audition. Classical acoustic guitars will be provided for class instruction, but it is recommended that students have access to a classical acoustic guitar for home practice.

## Performing Arts (Vocal Music)

**CHOIR: FALCONAIRES****#6063**

GRADES:	9-12
PREREQUISITE:	None
FEES:	\$25 co-curricular, \$20 uniform rental, \$20 travel
CREDIT:	1.0
SEMESTERS:	2

Course may be repeated for elective credit.

Falconaires is a tenor and bass performance-based course that requires no audition. Students focus on learning the basics of reading music through repertoire. The Falconaires Choir performs a variety of repertoire from the Renaissance to Twentieth Century in a variety of voicings appropriate to the group. A foundation of basic music theory, vocal technique, and sight-reading is strengthened in this course. Students can develop their voices and musicianship skills over a four-year progression. Four concert performances are required throughout the school year.

**CHOIR: CONCERT BLUE****#6064**

GRADES:	9-12
PREREQUISITE:	None
FEES:	\$25 co-curricular, \$20 uniform rental, \$20 travel
CREDIT:	1.0
SEMESTERS:	2

Course may be repeated for elective credit.

Concert Blue is a soprano and alto performance-based course that requires no audition. Students focus on learning the basics of reading music through repertoire. Concert Blue performs a variety of repertoire from the Renaissance to Twentieth Century in a variety of voicings appropriate to the group. A foundation of basic music theory, vocal technique, and sight-reading is strengthened in this course. Students can develop their voices and musicianship skills over a four-year progression. Four concert performances are required throughout the school year.

**CHOIR: CONCERT SILVER**

#6065

GRADES:	9-12
PREREQUISITE:	Director consent. Auditions will be held prior to course selection.
FEES:	\$25 co-curricular, \$20 uniform rental, \$35 travel
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Concert Silver is an advanced ensemble for qualified sopranos and altos. This ensemble requires an audition and the director's consent. Students expand upon previous knowledge of vocal technique, music history, and sight-reading through repertoire and continued practice. Members of Concert Silver are encouraged to develop their lifelong music-making skills through statewide festivals like Solo and Ensemble, All-State Jazz, and All-Regionals. Concert Silver performs sophisticated arrangements from diverse genres of music in a variety of voicings ranging from 1-5 singers on a part. Concert Silver will have 5-8 performances a year. Students are expected to practice the attitude and self-discipline of a working musician.

**CHOIR: CONCERT CHORALE**

#6075

GRADES:	10-12
PREREQUISITE:	Director consent. Auditions will be held prior to course selection.
FEES:	\$25 co-curricular, \$20 uniform rental, \$35 travel
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Concert Chorale is an advanced mixed voice (SATB) ensemble for qualified singers. This ensemble requires an audition and the director's consent. Students cultivate a knowledge of vocal technique, music history, and sight-reading through repertoire and continued practice. Concert Chorale, Catalina Foothill's largest choral ensemble, performs advanced pieces from diverse genres of music. Performers sing in many voicings from a whole section to two on a part. Members of Concert Chorale are encouraged to develop their lifelong music-making skills through statewide festivals like Solo and Ensemble, All-State Jazz, and All-Regionals. Concert Chorale participates in 6-9 performances during the year. Students are expected to practice the attitude and self-discipline of a working musician.

**CHOIR: CHANGE OF PACE**

#6070

GRADES:	10-12
PREREQUISITE:	Director consent. Auditions will be held prior to course selection.
FEES:	\$25 co-curricular, \$50 travel
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	

Change of Pace is the flagship vocal group. It is a small advanced ensemble for qualified singers. This mixed voice (SATB) ensemble requires an audition and the director's consent. Students expand upon previous knowledge of vocal technique, music history, and sight-reading through vocal improvisation, vocal jazz, and collaborative performances. Members of Change of Pace are encouraged to develop their lifelong music-making skills through statewide festivals like Solo and Ensemble, All-State Jazz, and All-Regionals. Change of Pace performs mostly a cappella and jazz arrangements from diverse eras in a variety of voicings. Change of Pace has 8-11 performances a year. Students are expected to practice the attitude and self-discipline of a working musician.

**AP MUSIC THEORY**

#6098

GRADES:	11-12
PREREQUISITE:	Performance experience (in ensembles or private lessons) and teacher approval
CREDIT:	1.0
SEMESTERS:	2

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 listenings 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.*



## Performing Arts (Theatre Arts)

### THEATRE FUNDAMENTALS

#6100

GRADES:	9-12
PREREQUISITE:	None
FEE:	\$40 lab fee
CREDIT:	1.0
SEMESTERS:	2
Course may NOT be repeated.	
This is a CTE/JTED class.	

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.

### INTERMEDIATE THEATRE PRODUCTION

#6200

GRADES:	10-12
PREREQUISITE:	Theatre Fundamentals
FEES:	\$10 co-curricular fee, \$40 lab fee
CREDIT:	1.0
SEMESTERS:	2
Course may NOT be repeated	
This is a CTE/JTED class.	

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.

### ADVANCED THEATRE PRODUCTION 1

#6220

GRADES:	11-12
PREREQUISITES:	Intermediate Theatre Production and teacher approval
FEES:	\$10 co-curricular fee, \$50 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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. The course will prepare students for the OSHA 10 certification.



**ADVANCED THEATRE PRODUCTION 2****#6240**

GRADE:	12	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.
PREREQUISITES:	Advanced Theatre Production 1 and teacher approval	
FEES:	\$10 co-curricular fee, \$50 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

**ADVANCED THEATRE PRODUCTION INTERNSHIP****#6245**

GRADE:	12	Students enrolled in Advanced Theatre Production 2 may have the opportunity to participate in a theatre production 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.
PREREQUISITES:	Advanced Theatre Production 1 and teacher approval	
COREQUISITE:	Advanced Theatre Production 2	
FEES:	\$10 co-curricular fee, \$50 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

**INTERMEDIATE THEATRE ARTS****#6250**

GRADES:	10-12	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.
PREREQUISITE:	Theatre Fundamentals and teacher approval	
FEES:	\$10 co-curricular fee, \$40 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
Course may NOT be repeated.		

**ADVANCED THEATRE ARTS - SEMESTER****#6300 (S1), #6305 (S2)**

GRADES:	11-12	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.
PREREQUISITE:	Intermediate Theatre Arts and teacher approval	
FEES:	\$10 co-curricular fee, \$25 lab fee	
CREDIT:	.5	
SEMESTERS:	1	
Course may be repeated for elective credit.		

**ADVANCED THEATRE ARTS - YEAR****#6307**

GRADES:	11-12	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.
PREREQUISITE:	Intermediate Theatre Arts and teacher approval	
FEES:	\$10 co-curricular fee, \$50 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
Course may be repeated for elective credit.		

**ADVANCED THEATRE ARTS: ACTING ENSEMBLE - SEMESTER****#6308 (S1), #6309 (S2)**

GRADES:	12
PREREQUISITES:	"B" or better in Advanced Theatre Arts and teacher approval
FEES:	\$10 co-curricular fee, \$25 lab fee
CREDIT:	.5
SEMESTERS:	1
Course may be repeated for elective credit.	

Building on the skills introduced in Fundamental, Intermediate, and Advanced Theatre Arts, this yearlong 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.

**ADVANCED THEATRE ARTS: ACTING ENSEMBLE - YEAR****#6310**

GRADE:	12
PREREQUISITES:	"B" or better in Advanced Theatre Arts and teacher approval
FEES:	\$10 co-curricular fee, \$50 lab fee
CREDIT:	1.0
SEMESTERS:	2

Building on the skills introduced in Theatre Fundamentals, Intermediate, and Advanced Theatre Arts, this yearlong 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.

## Visual Art

**STUDIO ART 1****#6320**

GRADES:	9-12
PREREQUISITE:	None
FEE:	\$20 lab fee
CREDIT:	1.0
SEMESTERS:	2

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.

**STUDIO ART 2****#6330**

GRADES:	10-12
PREREQUISITES:	Studio Art 1 and teacher approval
FEE:	\$20 lab fee
CREDIT:	1.0
SEMESTERS:	2

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.

**STUDIO ART 3****#6340**

GRADES:	11-12
PREREQUISITES:	Studio Art 2 and teacher approval
FEES:	\$20 lab fee
CREDIT:	1.0
SEMESTERS:	2

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 work of others. There is a focus on creating portfolio quality artwork, developing an artist statement, and participating in exhibitions.



## STUDIO ART 4

#6350

GRADE:	12
PREREQUISITES:	Studio Art 3 and teacher approval
FEE:	\$20 lab fee
CREDIT:	1.0
SEMESTERS:	2

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.

## CERAMICS AND SCULPTURE 1

#6433

GRADES:	9-12
PREREQUISITE:	None
FEE:	\$10 lab fee
CREDIT:	.5
SEMESTERS:	1
Course may NOT be repeated.	

Ceramics and Sculpture 1 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.

## CERAMICS AND SCULPTURE 2

#6434

GRADES:	9-12
PREREQUISITE:	Ceramics and Sculpture 1
FEE:	\$10 lab fee
CREDIT:	.5
SEMESTERS:	1
Course may NOT be repeated.	

Ceramics and Sculpture 2 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.

## AP STUDIO ART: 2-DIMENSIONAL DESIGN

#6351

GRADE:	12
PREREQUISITES:	Successful completion of Studio Art 3 and AP Art teacher approval, which includes a review of 6 completed artworks at the AP level of performance.
FEE:	\$20 lab fee
CREDIT:	1.0
SEMESTERS:	2

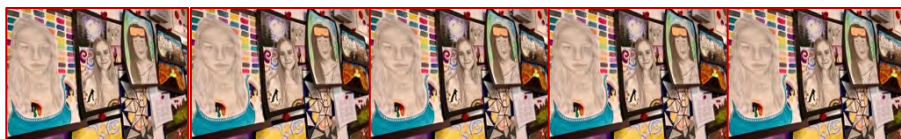
AP Studio Art 2D is designed for the advanced artist and follows the guidelines and recommendations of the College Board's Advanced Placement art program. This course offers 2-D design students a concentrated program which enables them to apply for college credit in Art. Students will create a portfolio 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.*

## AP STUDIO ART: 3-DIMENSIONAL DESIGN

#6352

GRADE:	12
PREREQUISITES:	Successful completion of Ceramics and 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:	1.0
SEMESTERS:	2

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.*



## Visual Art (Media Arts)

### GRAPHIC DESIGN 1

#6401

GRADES:	10-12	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.
PREREQUISITE:	None	
FEE:	\$60 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

### GRAPHIC DESIGN 2

#6410

GRADES:	11-12	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.
PREREQUISITE:	Graphic Design 1	
FEE:	\$60 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

### GRAPHIC DESIGN 3

#6420

GRADE:	12	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.
PREREQUISITES:	Graphic Design 2 and teacher approval	
FEES:	\$60 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

### GRAPHIC DESIGN PUBLICATION

#6425

GRADES:	11-12	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.
PREREQUISITES:	Graphic Design 1 or Photo 1 and teacher approval	
FEE:	\$30 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
Course may be repeated for elective credit. This is a CTE/JTED class.		

### DIGITAL PHOTOGRAPHY 1

#7570

GRADES:	10-12	Digital Photography 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.
PREREQUISITE:	None	
FEE:	\$80 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

## DIGITAL PHOTOGRAPHY 2

#7580

GRADES:	11-12
PREREQUISITE:	Digital Photo 1
FEE:	\$80 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Digital Photography 2 builds on the skills developed in Digital Photography 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.

## DIGITAL PHOTOGRAPHY 3

#7590

GRADE:	12
PREREQUISITES:	Digital Photo 2 and teacher approval
FEE:	\$80 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Digital Photography 3 builds on the skills developed in Digital Photography 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.*

## KINETIC WELLNESS (Physical Education and Health)

### Physical Education:

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 requirements must be taken as a freshman. The second .5 credit may be taken during freshman year or at any time during grades 10-12. 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.

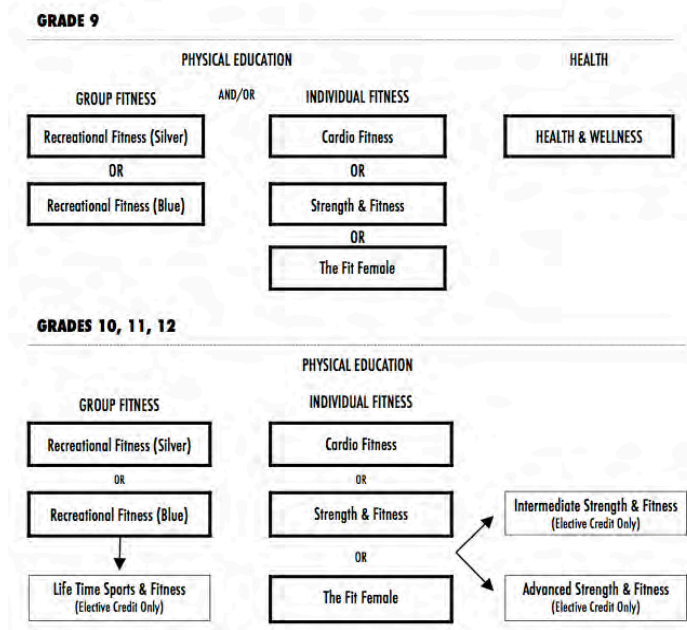
### Health:

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

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



## PHYSICAL EDUCATION & HEALTH PATHWAY



### Kinetic Wellness (Health)

#### HEALTH AND WELLNESS

#7103

GRADE:	9
PREREQUISITE:	None
CREDIT:	.5
SEMESTERS:	1

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.)

### Kinetic Wellness (Physical Education: Group Fitness Options)

#### RECREATIONAL FITNESS: SILVER

#7010

GRADES:	9-12
PREREQUISITE:	None
CREDIT:	.5
SEMESTERS:	1

Course may be repeated for elective credit.

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.

#### RECREATIONAL FITNESS: BLUE

#7020

GRADES:	9-12
PREREQUISITE:	None
CREDIT:	.5
SEMESTERS:	1

Course may be repeated for elective credit.

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, flickerball, 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.

## Kinetic Wellness (Physical Education: Individual Fitness Options)

### CARDIO FITNESS

#7050

GRADES:	9-12	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.
PREREQUISITE:	None	
CREDIT:	.5	
SEMESTERS:	1	
Course may be repeated for elective credit.		

### STRENGTH AND FITNESS

#7051

GRADES:	9-12	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.
PREREQUISITE:	None	
CREDIT:	.5	
SEMESTERS:	1	
Course may be repeated for elective credit.		

### THE FIT FEMALE

#7052

GRADES:	9-12	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.
PREREQUISITE:	None	
CREDIT:	.5	
SEMESTERS:	1	
Course may be repeated for elective credit.		

## Kinetic Wellness (Advanced Physical Education Electives)

### INTERMEDIATE STRENGTH AND FITNESS

#7070

GRADES:	10-12	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.
PREREQUISITE:	Strength and Fitness or The Fit Female	
CREDIT:	.5	
SEMESTERS:	1	
Course may be repeated for elective credit.		

### ADVANCED STRENGTH AND FITNESS

#7071

GRADES:	10-12	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.
PREREQUISITE:	Strength and Fitness or The Fit Female, and teacher approval	
CREDIT:	.5	
SEMESTERS:	1	
Course may be repeated for elective credit.		

## LIFETIME SPORTS AND FITNESS

#7072

GRADES:	10-12	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.
PREREQUISITE:	Recreational Fitness Silver or Blue	
CREDIT:	.5	
SEMESTERS:	1	
Course may be repeated for elective credit.		

## CAREER & TECHNICAL EDUCATION / JTED 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. 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 offers a robust selection of educational experiences within ten (10) CTE programs/pathways. See the CFHS CTE/JTED program pathways, course descriptions, and course prerequisites below.

### CFHS Career and Technical Education (CTE) Programs and Courses

- BIOSCIENCE: Chemistry: Intro to Biotech, Applications of Biotech, Advanced Biotech
- BUSINESS MANAGEMENT: Business Management 1, 2, 3
- COMPUTER PROGRAMMING: AP Computer Science Principles, AP Computer Science A, Advanced Computer Programming
- DIGITAL PHOTOGRAPHY: Digital Photography 1, 2, 3
- ENGINEERING: Introduction to Engineering Design, Principles of Engineering, Engineering Design and Development
- EARLY CHILDHOOD EDUCATION: Early Childhood Education 1, Early Childhood Education 2, Early Childhood Education 3
- FILM & TELEVISION: Film & TV 1, 2, 3
- GRAPHIC DESIGN: Graphic Design 1, 2, 3 and Graphic Design Publication
- SPORTS MEDICINE: Anatomy & Physiology (Sports Medicine 1), Sports Medicine 2, Sports Medicine 3
- TECHNICAL THEATRE: Theatre Fundamentals, Intermediate Theatre Production, Advanced Theatre Production 1, 2, Advanced Theatre Production Internship
- Career Exploration & Consumer Finance\*
- Career Preparation & Personal Finance\*

\* These courses do not count toward CTE graduation requirements unless replacing the 1.0 Fine Arts credit.

### 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/programs](http://pimajted.org/programs).

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 • Physical Therapy Technician • Veterinary Science • Welding • Computer Aided Drafting • Business Start-Up/Entrepreneurship



**BIOSCIENCE PATHWAY**  
**CHEMISTRY: INTRO TO BIOTECH**  
**APPLICATIONS OF BIOTECHNOLOGY**  
**ADVANCED BIOTECHNOLOGY**

**CHEMISTRY: INTRO TO BIOTECH <sup>HC</sup>**

**#4104**

GRADE:	10
PREREQUISITES:	Biology, Algebra 1
CREDIT:	1.0
SEMESTERS:	2
RECOMMENDATION:	For students who comprehend scientific concepts with little difficulty and demonstrate independence and self-direction in their learning. For students who are interested in acquiring the skills needed to pursue higher education or to enter the workforce in careers related to biomedical and biotechnology fields.
This is a CTE/JTED class.	

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.*

**APPLICATIONS OF BIOTECHNOLOGY - UA MCB 101**

**#4107**

GRADE:	11
PREREQUISITE:	"C" or better in Chemistry, Honors Chemistry, or Chemistry: Intro to Biotech
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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. An emphasis on collaborative learning and laboratory skills will enrich the learning experience of students with varied learning styles. Optional summer internship opportunities are available for students who wish to continue performing scientific research. *(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.)*

**ADVANCED BIOTECHNOLOGY - UA MCB 102**

**#4108**

GRADE:	12
PREREQUISITE:	"C" or better in Applications of Biotechnology
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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.)*



## BUSINESS MANAGEMENT PATHWAY

### BUSINESS MANAGEMENT 1

### BUSINESS MANAGEMENT 2

### BUSINESS MANAGEMENT 3

#### BUSINESS MANAGEMENT 1

#7721

GRADES: 10-12

PREREQUISITE: None

CREDIT: 1.0

SEMESTERS: 2

This is a CTE/JTED class.

Business Management 1 prepares students for business and marketing careers in the 21<sup>st</sup> 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.

#### BUSINESS MANAGEMENT 2

#7722

GRADES: 11-12

PREREQUISITE: Business Mgmt.1

CREDIT: 1.0

SEMESTERS: 2

This is a CTE/JTED class.

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 21<sup>st</sup> 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 Rise Up-Retail Industry certification.

#### BUSINESS MANAGEMENT 3

#7723

GRADE: 12

PREREQUISITE: Business Mgmt. 2 and teacher approval with Internship application/letter of intent

CREDIT: 1.0

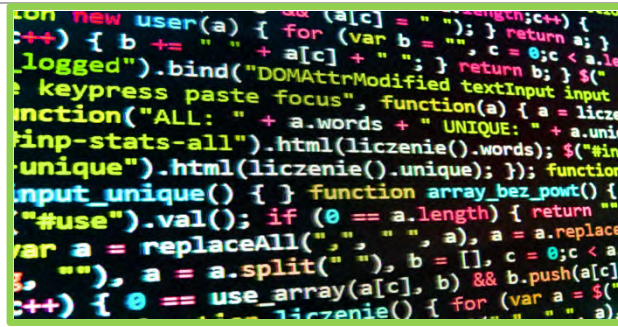
SEMESTERS: 2

This is a CTE/JTED class.

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 21<sup>st</sup> 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.







## COMPUTER PROGRAMMING PATHWAY

### AP COMPUTER SCIENCE PRINCIPLES

#### AP COMPUTER SCIENCE A

#### ADVANCED COMPUTER PROGRAMMING

#### AP COMPUTER SCIENCE PRINCIPLES

#4720

GRADES:	10-12
PREREQUISITE:	Algebra 1
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

AP Computer Science Principles is a college level course that 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 JavaScript. 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. This course will prepare students to take the AP Computer Science Principles exam, which will be offered during the second semester of the course. *Note: Students who take an AP class are expected to take the AP exam.*

#### AP COMPUTER SCIENCE A

#4750

GRADES:	11-12
PREREQUISITE:	AP Computer Science Principles
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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 as well as the Oracle Certified Associate Java 1Z0-811 exam, which will be offered during the second semester of the course. *Note: Students who take an AP class are expected to take the AP exam.*

#### ADVANCED COMPUTER PROGRAMMING

#4760

GRADE:	11-12
PREREQUISITE:	AP Computer Science Principles and/or AP Computer Science A, "B" or better in Algebra 2, and teacher approval
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Advanced Computer Programming is a college-level course that introduces students to applied software design and engineering principles (alongside the algorithms which drive them) through hands-on, project-oriented coursework. Projects will be developed using industry standard programming languages from which students will be introduced to industry-level programming skills and software development expert-standards. This course will be fast-paced and require a significant level of effort, initiative, independent study/practice, and self-discipline, as well as a strong background in Algebra and/or Discrete Mathematics. Students will be prepared to attain advanced industry certifications in the programming language(s) used.



## DIGITAL PHOTOGRAPHY PATHWAY

### DIGITAL PHOTOGRAPHY 1

### DIGITAL PHOTOGRAPHY 2

### DIGITAL PHOTOGRAPHY 3

#### DIGITAL PHOTOGRAPHY 1

#7570

GRADES:	10-12
PREREQUISITE:	None
FEE:	\$80 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Digital Photography 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.

#### DIGITAL PHOTOGRAPHY 2

#7580

GRADES:	11-12
PREREQUISITE:	Digital Photo 1
FEE:	\$80 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Digital Photography 2 builds on the skills developed in Digital Photography 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.

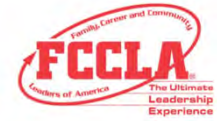
#### DIGITAL PHOTOGRAPHY 3

#7590

GRADE:	12
PREREQUISITES:	Digital Photo 2 and teacher approval
FEE:	\$80 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Digital Photography 3 builds on the skills developed in Digital Photography 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.*

*The economy is linked to the strengths and skills of our current and future workforce. CFHS students have the option to participate in ten (10) different career clusters or programs, recognized by the Arizona Department of Education, Career and Technical Education. They can earn industry credentials while in high school.*



## EARLY CHILDHOOD EDUCATION PATHWAY

### EARLY CHILDHOOD EDUCATION 1

### EARLY CHILDHOOD EDUCATION 2

### EARLY CHILDHOOD EDUCATION 3

#### EARLY CHILDHOOD EDUCATION 1

#7800

GRADES: 10-12

PREREQUISITE: None

CREDIT: 1.0

SEMESTERS: 2

This is a CTE/JTED class.

Early Childhood Education 1 will explore topics such as nutrition, behavior, physical, social, emotional and intellectual development of children during prenatal, infancy, and preschool age. Students will examine professional, legal and ethical practices and regulations that promote healthy and safe childhood environments. Students will have the opportunity to observe in an early childhood learning center. The course will prepare students for the Food Handlers certification. Students will have the opportunity to earn dual enrollment credit from Pima Community College (PCC) for PCC ECE 117.

#### EARLY CHILDHOOD EDUCATION 2 (2024-2025)

#7801

GRADES: 11-12

PREREQUISITE: Early Education 1

CREDIT: 1.0

SEMESTERS: 2

This is a CTE/JTED class.

Early Childhood Education 2 offers advanced applications of Early Childhood knowledge and practice. Students will explore historical and contemporary early childhood influences; best instructional practices, ECE agency management; early childhood observation and assessment; classroom management; professional and ethical responsibilities. This course includes application of developmental theories, developmentally best practices, behavior management and teaching strategies in an early childhood learning center. The course will prepare students for the CPR/First Aid certification.

#### EARLY CHILDHOOD EDUCATION 3 (2025-2026)

#7802

GRADES: 12

PREREQUISITE: Early Education 2

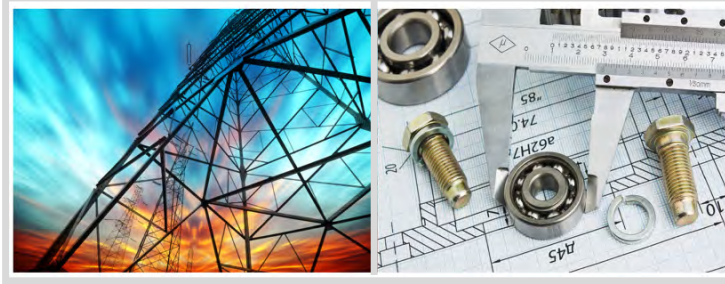
CREDIT: 1.0

SEMESTERS: 2

This is a CTE/JTED class.

Early Childhood Education 3 is a lab-based course designed to prepare students for employment in the early childhood field. In partnership with CFSD's early childhood programs, students will gain internship hours in a classroom setting. Through a combination of collaborative and self-directed projects/lessons, students will implement best practices regarding curriculum design and assessment methods as they apply formal and informal observations in understandings of child development. Upon completion of this course, students will be eligible for a fingerprint card. The course will prepare students for the following industry credentials: Mandatory Reporting Child Abuse and Neglect, Bloodborne Pathogens.





## ENGINEERING PATHWAY

### INTRODUCTION TO ENGINEERING DESIGN

### PRINCIPLES OF ENGINEERING

### ENGINEERING DESIGN AND DEVELOPMENT

#### INTRODUCTION TO ENGINEERING DESIGN

#4602

GRADES:	9-12	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.
PREREQUISITE:	None	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

#### PRINCIPLES OF ENGINEERING

#4604

GRADES:	10-12	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.
PREREQUISITE:	Intro to Engineering Design	
MATH PREREQUISITE:	Algebra 2 or concurrent enrollment	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

#### ENGINEERING DESIGN & DEVELOPMENT (UArizona Engineering 102)

#4605

GRADES:	11-12	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. Students may elect to earn the Autodesk CAD Industry certification. <i>(Students 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.)</i>
PREREQUISITE:	Principles of Engineering Design and teacher approval	
COREQUISITE FOR UA ENGINEERING 102:	Precalculus or AP Calculus AB or BC	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		



## FILM & TV PATHWAY

### FILM & TV 1

### FILM & TV 2

### FILM & TV 3

#### FILM & TV 1

#7531

GRADES:	10-12
PREREQUISITES:	None
FEES:	\$30 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Film & TV 1 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.

#### FILM & TV 2

#7532

GRADES:	10-12
PREREQUISITES:	Film & TV 1
FEES:	\$30 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Film & TV 2 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.

#### FILM & TV 3

#7533

GRADES:	12
PREREQUISITES:	Film & TV 2 and teacher approval
FEES:	\$30 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

Film & TV 3 builds on the skills learned in Film & TV 2. 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 expect students to work independently or as a team to produce live stream and/video productions, and will require additional after-school hours at the high school. Students will apply the skills toward real-world experiences while participating in a job shadowing experience with local industry. Film and TV 3 students are responsible for evaluating potential job shadowing placements, submitting a letter of intent, and ensuring completion of all appropriate paperwork prior to the beginning of the academic year. Adobe certification will be offered to all Film & TV 3 students.





## GRAPHIC DESIGN PATHWAY

### GRAPHIC DESIGN 1

### GRAPHIC DESIGN 2

### GRAPHIC DESIGN 3

### GRAPHIC DESIGN PUBLICATION

#### GRAPHIC DESIGN 1

#6401

GRADES:	10-12
PREREQUISITE:	None
FEE:	\$60 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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.

#### GRAPHIC DESIGN 2

#6410

GRADES:	11-12
PREREQUISITE:	Graphic Design 1
FEE:	\$60 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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.

#### GRAPHIC DESIGN 3

#6420

GRADE:	12
PREREQUISITES:	Graphic Design 2 and teacher approval
FEE:	\$60 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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.

#### GRAPHIC DESIGN PUBLICATION

#6425

GRADES:	11-12
PREREQUISITES:	Graphic Design 1 or Photo 1 and teacher approval
FEE:	\$30 lab fee
CREDIT:	1.0
SEMESTERS:	2
Course may be repeated for elective credit.	
This is a CTE/JTED class.	

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.



## SPORTS MEDICINE PATHWAY

### ANATOMY & PHYSIOLOGY (SPORTS MEDICINE 1)

#### SPORTS MEDICINE 2

#### SPORTS MEDICINE 3

### ANATOMY & PHYSIOLOGY (Sports Medicine 1) <sup>HC</sup>

#4541

GRADES: 10-12

PREREQUISITES: "B" or better in Biology AND concurrently enrolled in, or completed Chemistry, Chemistry: Intro to Biotech, Honors Chemistry

CREDIT: 1.0

SEMESTERS: 2

This is a CTE/JTED class.

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.*

### SPORTS MEDICINE 2 <sup>HC</sup>

#4548

GRADES: 11-12

PREREQUISITE: Anatomy & Physiology (Sports Medicine 1)

CREDIT: 1.0

SEMESTERS: 2

This is a CTE/JTED class.

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. The course will prepare students for the OSHA Healthcare and CPR certifications. *\*Students who consistently perform at the Honors level in their coursework and assessments will be awarded Honors credit for this course.*

### SPORTS MEDICINE 3 <sup>HC</sup>

#4549

GRADES: 11-12

PREREQUISITES: Sports Medicine 2 and teacher approval with Internship application/letter of intent

CREDIT: 1.0

SEMESTERS: 2

This is a CTE/JTED class.

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. The course will prepare students for the CMAC (Clinical Medical Assistant Certification) and PTTC (Physical Therapy Technician/Aide Certification).



## TECHNICAL THEATRE PATHWAY

### THEATRE FUNDAMENTALS

### INTERMEDIATE THEATRE PRODUCTION

### ADVANCED THEATRE PRODUCTION 1

### ADVANCED THEATRE PRODUCTION 2

### ADVANCED THEATRE PRODUCTION INTERNSHIP

#### THEATRE FUNDAMENTALS

#6100

GRADES:	9-12
PREREQUISITE:	None
FEE:	\$40 lab fee
CREDIT:	1.0
SEMESTERS:	2
Course may NOT be repeated	
This is a CTE/JTED class.	

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 one live theatre performance per semester.

#### INTERMEDIATE THEATRE PRODUCTION

#6200

GRADES:	10-12
PREREQUISITE:	Theatre Fundamentals
FEES:	\$10 co-curricular fee, \$40 lab fee
CREDIT:	1.0
SEMESTERS:	2
Course may NOT be repeated	
This is a CTE/JTED class.	

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.

#### ADVANCED THEATRE PRODUCTION 1

#6220

GRADES:	11-12
PREREQUISITES:	Intermediate Theatre Production and teacher approval
FEES:	\$10 co-curricular fee, \$50 lab fee
CREDIT:	1.0
SEMESTERS:	2
This is a CTE/JTED class.	

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. The course will prepare students for the OSHA 10 certification.



**ADVANCED THEATRE PRODUCTION 2**

#6240

GRADE:	12	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.
PREREQUISITES:	Advanced Theatre Production 1 and teacher approval	
FEES:	\$10 co-curricular fee, \$50 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		

**ADVANCED THEATRE PRODUCTION INTERNSHIP**

#6245

GRADE:	12	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.
PREREQUISITES:	Advanced Theatre Production 1 and teacher approval	
COREQUISITE	Advanced Theatre Production 2	
FEES:	\$10 co-curricular fee, \$50 lab fee	
CREDIT:	1.0	
SEMESTERS:	2	
This is a CTE/JTED class.		



**CAREER PLANNING/EXPLORATION**  
**CAREER EXPLORATION & CONSUMER FINANCE**  
**CAREER EXPLORATION & PERSONAL FINANCE**

**CAREER EXPLORATION & CONSUMER FINANCE**

#7750

GRADES:	9-12	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.
PREREQUISITE:	None	
CREDIT:	.5	
SEMESTERS:	1	
<i>Note: This course does not count as credit for Fine Arts / CTE graduation requirement, but does count as elective credit.</i>		

**CAREER EXPLORATION & PERSONAL FINANCE**

#7751

GRADES:	9-12	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.
PREREQUISITE:	None	
CREDIT:	.5	
SEMESTERS:	1	
<i>Note: This course does not count as credit for Fine Arts / CTE graduation requirement, but does count as elective credit.</i>		

## OTHER ELECTIVES

### STUDENT LEADERSHIP

**#7151 SC, #7152 LC, #7153 AD**

GRADES:	9-12
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2

Course may be repeated for credit.

*Note: Student Leadership is cross-referenced in English and Social Studies.*

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.

### AP SEMINAR

**#3502**

GRADES:	10-11
PREREQUISITE:	None
CREDIT:	1.0
SEMESTERS:	2

*Note: AP Seminar is cross-referenced in English, Social Studies, and Science as students have different areas of interest and teachers may vary from year to year.*

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).*

### AP RESEARCH

**#3503**

GRADES:	11-12
PREREQUISITE:	AP Seminar
CREDIT:	1.0
SEMESTERS:	2

*Note: AP Research is 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 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.

### PEER CLASSROOM MENTOR

**#8012**

GRADE:	12
PREREQUISITE:	On track to graduation; 2.5 GPA or higher
CREDIT:	.5 (P/F)
SEMESTERS:	1

Course may be repeated for credit with teacher recommendation.

\*When student is placed, the course code that matches the content area will be used. If no course code for content, #8000 will be used.

This Peer Classroom Mentor course is designed for seniors who want to obtain hands-on leadership, communication, and relationship-building skills by mentoring students in the classroom environment. Peer Classroom Mentors will be given tasks including, but not limited to, assisting the teacher with classroom preparations, reinforcing instructional material with individual students or in small groups, and guiding students with note-taking and study techniques. Peer Classroom Mentors are required to attend their assigned classroom on a daily basis, and model the characteristics of a positive, productive member of the classroom community. They will write a weekly reflection about their goals and accomplishments related to the course competencies, which will be submitted to the classroom teacher. Peer Classroom Mentors are expected to participate in a two-hour training session prior to the start of the semester. Placement will be determined by student application and teacher approval.

- |   |   |
|---|---|
| <b>#8000:</b> Miscellaneous             | <b>#8006:</b> Fine & Performing Arts    |
| <b>#8001:</b> English Language & Lit    | <b>#8007:</b> Phys, Health, & Safety Ed |
| <b>#8002:</b> Mathematics               | <b>#8008:</b> Computer & Info Sciences  |
| <b>#8003:</b> Social Sciences & History | <b>#8010:</b> Business & Marketing      |
| <b>#8004:</b> Life & Physical Sciences  | <b>#8011:</b> Engineering & Technology  |
| <b>#8005:</b> Foreign Language & Lit    |   |

## 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. 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.

**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

GRADES:	9-12	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.
PREREQUISITE:	Students will be placed in this class based on IEP.	
CREDIT:	1.0 (Letter Grade)	
SEMESTERS:	2	

### SPECIAL EDUCATION: ENGLISH FUNDAMENTALS 9-12

#9895-98

GRADES:	9-12	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.
PREREQUISITE:	Students will be placed in this class based on IEP.	
CREDIT:	1.0 (Letter Grade or Pass/No Grade based on IEP)	
SEMESTERS:	2	

### SPECIAL EDUCATION: MATH FUNDAMENTALS 9-12

#9891-94

GRADES:	9-12	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.
PREREQUISITE:	Students will be placed in this class based on IEP.	
CREDIT:	1.0 (Letter Grade or Pass/No Grade based on IEP)	
SEMESTERS:	2	

**SPECIAL EDUCATION: ADULT DAILY LIVING SKILLS****#9927**

GRADES:	9-12	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.
PREREQUISITE:	Students will be placed in this class based on IEP.	
CREDIT:	1.0 (Pass/No Grade based on course completion)	
SEMESTERS:	2	

**SPECIAL EDUCATION: COMMUNITY-BASED EDUCATION****#9945**

GRADES:	9-12	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.
PREREQUISITE:	Students will be placed in this class based on IEP.	
CREDIT:	1.0 (Pass/No Grade based on course completion)	
SEMESTERS:	2	
	Course may be repeated for elective credit.	

**SPECIAL EDUCATION: WORK EXPERIENCE (LAB-BASED)****#9908**

GRADES:	9-12	This course provides the basic building blocks for successful transition in competitive or supported employment. Students will engage in hands-on technical based activities to individualize their transition goals. Classroom instruction includes lab-based career exploration, appropriate work behavior, and individualized work experiences. Students will learn and continue to practice the soft skills necessary for employment, such as timelines, effective communication, task completion, teamwork, and working with a supervisor.
PREREQUISITE:	Students will be placed in this class based on IEP.	
CREDIT:	1.0 (Pass/No Grade based on course completion)	
SEMESTERS:	2	
	Course may be repeated for elective credit.	

**SPECIAL EDUCATION: JOB SKILLS****#9950**

GRADES:	9-12	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.
PREREQUISITE:	Students will be placed in this class based on IEP.	
CREDIT:	1.0 (Pass/No Grade based on course completion)	
SEMESTERS:	2	
	Course may be repeated for elective credit.	

**SPECIAL EDUCATION: WORK EXPERIENCE INTERNSHIP****#9305**

GRADES:	9-12	Transition from School to Work classes offer students the opportunity to receive job training with support in a work setting, on and off campus. Areas of focus are based on employment goals and needed areas of exploration. These classes include instruction and practical application 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.
PREREQUISITE:	Students will be placed in this class based on IEP.	
CREDIT:	1 .0 (Pass/No Grade based on course completion)	
SEMESTERS:	2	
	Course may be repeated for elective credit.	

**SPECIAL EDUCATION: INDEPENDENT LEARNING**

**#9991-96**

GRADES:	11-12
PREREQUISITE:	Students will be placed in this class based on IEP.
CREDIT:	1.0 (Pass/No Grade based on course completion)
SEMESTERS:	2
Course may be repeated for elective credit.	

Independent Learning courses are designed for students to earn credit for courses offered at Catalina Foothills High School. These courses are modified versions of CFHS courses which engage students through robust content delivered by interactive, media-rich instruction. Independent Learning courses allow students to meet the demands of the state standards while they work at their own pace on areas that need improvement. Departmental approval is required.



**Catalina Foothills High School**



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