

Whitney High School Course Catalog



2019-2020

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WHITNEY HS SIX-YEAR ACADEMIC PLAN

This sample plan aligns with Whitney High School’s goal that all students exceed the requirements for both ABCUSD graduation and eligibility for admission to the University of California or California State University system. Competitive college admission is best achieved by individualizing this plan as colleges seek to admit a dynamic and diverse group of students. Each student should choose courses and co-curricular activities that demonstrate and expand her/his:

- * Interest(s) or passion for learning and academic challenges
- * Growth through service, social, and personal engagements

7th Grade	English 7 Honors Math 7 or Accelerated Math 7 H Physical Education	Social Science 7 Honors Science 7 Honors Elective ‘Wheel’ or Music
8th Grade	English 8 Honors Math 8 or Accelerated Math I+ H Physical Education	Social Science 8 Honors Science 8 Honors Elective (World Lang. or Music/Art/Theatre)

Summer Health Course (completed through ABCUSD summer school)

9th Grade	English I Honors Biology Honors Math I or Accelerated Math I+ H, or Math II or Math II+ Honors World His/Geog. Honors or World His/Geog. MUN Honors Physical Education or Athletics World Language Visual/Performing Art or Pathway course (<i>In lieu of History/Soc. Sci course</i>)
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Summer Session	Enrichment Classes / Activities	Health course (if not already completed)
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10th Grade	English II Honors Chemistry CP or Chemistry Honors Math II or Math II+ or Math III or Math III+ Honors or AP Statistics Physical Education or Athletics World Lang. or Vis./Perf. Art or Elective or Pathway course World His/Geog. Honors or World His/Geog. MUN (<i>if not done in 9th gr.</i>) Psychology or AP Euro History or AP Human Geog. or AP Psychology or AP Art History
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Summer Session	Internship, Study Abroad, College Courses, Service Projects, Job, Volunteer Work, and/or SAT/ACT test prep
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11th Grade	<p>English III Honors or AP English Language US History Honors or AP US History Physics CP or Physics Honors Math III or Math III+ H or Pre-Calculus or AP Calc. AB or Stats Reasoning Two Electives: World Language, Visual/Performing Art, Pathway course, additional academic course, and/or Athletics</p>
Summer Session	<p>Senior Summer Workshop, Internship, Study Abroad, College Courses, Service Projects, Job, or Volunteer Work</p>
12th Grade	<p>English IV Honors or Rhetorical/Creative Writing, or AP English Literature Civics Honors and Economics Honors Pre-Calc or AP Calc. AB or AP Calc. BC or AP Statistics or Stats Reasoning AP Physics or AP Biology or AP Chemistry or Chemistry of Living Systems Two Electives: World Language, Visual/Performing Art, Pathway course, additional academic course, and/or Athletics</p>

ABCUSD Graduation Requirements

A **minimum** of 230 semester course credits must be earned in grades 9-12 as follows:

English:	40 credits (8 semesters)	
Grade 9	English I H	10 credits
Grade 10	English II H	10 credits
Grade 11	English III H or AP Lang	10 credits
Grade 12	English IV H, AP Lit., or Rhetorical/Creative Writing	10 credits

Social Science:	30 credits (6 semesters)	
Grade 9	World History/Geography or World His/Geog. MUN	10 credits
Grade 11	U.S. History or AP US History	10 credits
Grade 12	Civics / Economics	5+5 credits

Physical Education:	20 credits (4 semesters)	
Grade 9	Physical Education or Athletics	10 credits
Grade 10	Physical Education or Athletics	10 credits

* All students must pass the CA Fitness Gram Test or continue to enroll in a yearly PE course.

** All students must be enrolled in a year-long PE or Athletics course in 9th and 10th grade.

Mathematics: 30 credits (6 semesters)	
Math I (One Year) or higher	10 credits
Math II (One Year) or higher	10 credits
Math III (One Year) or higher	10 credits

* Higher math courses taken in grades 9-12 also count

** Computer Science courses count **only** for Elective credit, **not** Math credit

Science: 20 credits (4 semesters)	
Life Science: Biology H	10 credits
Physical Science: Chemistry or Physics course	10 credits

World Language/Fine Arts: 10 credits (2 semesters) 10 credits

Electives: 75 credits (15 semesters) 75 credits

Health: 5 credits 5 credits

TOTAL: 230 credits

ABCUSD Technology Graduation Requirement

All students will fulfill this requirement through normal course enrollment. The technology standards and grading are embedded in courses; therefore, no additional coursework is necessary. Completion is noted on transcript. All classes that support this requirement are marked in this course catalog with a “^”.

Policies, Procedures, and Services

Course Offerings

All courses are offered according to ABCUSD school board policies, as well as, staffing and enrollment limitations. Course Recommendations for course enrollment represent years of experience and collective professional expertise. They serve the purpose of maintaining high course standards and high levels of student achievement. Students should enroll in courses for which they are best qualified, keeping the course recommendation as the standard. It is highly encouraged to meet with a Counselor (9-12) or Student Advisor (7-8) to discuss course enrollment.

Course Load & Drop/Change Policies

Whitney High School is staffed to provide students with an annual course load of six (6) academic classes. A 12th grade student may enroll in fewer than six courses **with administrative and parent approval**. Students, however, **may not enroll in more than six academic courses**. If the schedule allows and space permits, a student may enroll in Athletics, ASB, HS Band, Pep Squad, Yearbook, MUN IS, or another non-academic elective as a seventh course.

NOTE: Once registration concludes in the spring, no course changes will be made, except for the following reasons: scheduling errors, course conflicts, summer coursework adjustments, athletic placements, and class balancing. In other words, the courses students select during registration are the courses they will be expected to take during the coming school year. Any changes made for the reasons enumerated above must, per ABCUSD Board policy, be completed within the **first three weeks of the semester**. Later course drops/changes must result in “Withdrawal F” on the permanent transcript.

Federal Program Monitoring

ABC Unified School District programs, activities, and student clubs are available to all persons without regard to actual or perceived ancestry, age, color, disability, gender, gender identity, gender expression, nationality, race, ethnicity, religion, sex, sexual orientation, or association with a person or a group with one or more of these actual or perceived characteristics or any other characteristic that is contained in the definition of hate crimes set forth in Section 422.55 of the Penal Code.

Promotion Policy

Students are promoted to the next high school grade level upon completion of required minimum credits. To earn credit for a course, a student must earn a grade of “D-” or higher. If students are deficient in credits, parents will be contacted to discuss credit recovery options.

Sophomore = 60+ credits

Junior = 120+ credits

Senior = 180+ credits

Graduation Status

At the beginning of 12th grade, each student is given a transcript to check for mistakes. The transcript will include the coursework completed, credits earned, and the senior year schedule. Students and parents can always check transcripts online and contact their Counselor/Student Advisor with questions.

Counseling Services

Upon entering WHS, students are assigned a **Counselor (9-12) / Student Advisor (7-8)** to assist them with program planning, coordinate student support services, provide college and career guidance, and assist with personal and school problems. Students may make an appointment to see their Counselor/Student Advisor by telephone, email, or in person at the front office. Whitney HS also employs part-time **Social Workers, School Psychologists, and Wellness Counselors** to support students with personal or social challenges and to coordinate academic accommodation services.

College and Career Center Specialist

Our College and Career Specialist is our scholarship and financial aid expert. She helps students locate and apply for contests, financial aid, and scholarships. She also collects information about colleges, plans college fairs, college admissions officers' visits to WHS, and maintains *Naviance*, our online college counseling/planning portal for students and parents.

Academic Planning

In late summer, before students begin their 7th grade year, parents and students are invited to attend a "New Family Orientation" meeting. In the spring of the 9th grade, students and parents are invited to attend a planning conference to discuss a high school academic plan. In grades 7th through 12th, parent meetings are held, as needed, to review students' academic plans, assess student progress, and communicate college information. In grade 12, students and parents are assisted with the college application process and the transition to post-secondary education.

Schedules, Grades, and Credits

Student Schedule Requirements

Students in grades 7-11 are required to enroll in six classes (60 credits/year). **With approval**, seniors working, with internships, or taking Community College courses may enroll in a minimum of five classes as long as they are on-track to graduate.

Course Credit Information and Make-Up Policy

In a typical course, a letter grade and transcript credit (5.0 credits/semester) are granted at the end of each semester. Some courses earn 2.5 credits per semester based on meeting fewer weekly class hours. If a student fails a class, she/he must meet with her/his Counselor/Student Advisor to plan for credit recovery.

Graduation

If a student has not met the minimum requirements for graduation due to a grade of "F," she/he can make-up a class by completing one of the following options, which must be approved by a WHS Counselor/Student Advisor: ABC Adult School, Edmentum online through WHS (if available), ABC Summer School, UC/CSU-approved online course (outside of WHS), or repeating the Whitney HS course (if possible).

UC/CSU Eligibility

All UC/CSU coursework used for eligibility requires a “C-” or better. If a student with a grade of “D” or “F” seeks to meet the minimum eligibility requirement for UC/CSU admission, she/he can make-up classes by completing one of the following options, which must be approved by a WHS Counselor/Student Advisor: Edmentum (if available), UC/CSU-approved online course, ABC Summer School, or repeating the Whitney HS course (if possible).

Incomplete Grades

A teacher may give an Incomplete grade, “I,” when a student misses a final examination or does not turn in required work due to confirmed illness, family emergency, or a reason beyond the student’s control. It is the responsibility of the student (or parent) to arrange with the teacher to complete the required coursework/examination by the end of the next grading period in order to receive a letter grade and course credit. For extended absences, a separate plan may be developed between the student/parent, teacher, and Counselor/Student Advisor.

Once the student completes the required work, the teacher will remove the Incomplete, “I,” by filing the appropriate grade change form with the Counseling Office. If the coursework is not completed by the end of the next grading period, the Incomplete will be converted to the letter grade the student would have earned with ‘zero points’ for all assignments/examinations not completed.

Grade Correction Policy

The letter grade given to each student shall be the grade determined by the teacher of the course. The determination of the student’s grade by the teacher, in the absence of error, shall be final (Ed. Code 49066). In the event of an error, corrections can be made within the first six weeks of the following semester. It is the responsibility of the teacher to submit a grade correction by the deadline. Any questions regarding a final grade should be immediately directed to the teacher of the course.

Repeating Courses

Students who repeat a course to improve a “D” or “F” grade will not be awarded duplicate credits. Both grades will appear on the transcript, and both factor into the GPA calculation. However, only the repeated grade earns credit. Students repeating a course should meet with their Counselor/Student Advisor to ensure they are on track to meet graduation and UC/CSU requirements. The UC/CSU system will only accept repeat grades for courses to improve a “D” or “F” grade. Each college or university may treat grades earned in repeated courses differently.

University of California (UC) & California State University (CSU) Admission Requirements

The subject requirements described below represent the minimum academic standards students must attain to be eligible for admission to the University of California system. ***Meeting the minimum eligibility requirements does not guarantee admission.*** Furthermore, admission to the campus and program of choice often requires students to meet more demanding standards. For current UC information, visit:

<http://admission.universityofcalifornia.edu/>

Subject Requirements (“A-G” Requirements)

15 units of high school and UC transferable courses fulfill the minimum Subject Requirements. At least 11 of the 15 units must be completed prior to 12th grade, and at least 7 of the 15 units must be taken in the last two years of high school (1 unit = 1 academic year = 2 semesters). To be accepted by the University, these courses must appear on the official University of California Certified Course List found here:

<https://hs-articulation.ucop.edu/agcourselist/institution/778>

A. History/Social Science: *2 years required*

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

B. English: *4 years required*

Four years of college preparatory *English composition and literature*.

C. Mathematics: *3 years required, 4 recommended*

Three years of college preparatory mathematics, including the topics in *elementary and advanced algebra* and *two- and three-dimensional geometry*.

D. Laboratory Science: *2 years required, 3 recommended*

Two years of laboratory science providing fundamental knowledge in at least two of these three disciplines: *biology (which includes anatomy, physiology, marine biology, etc.), chemistry, and physics*.

E. Languages other than English: *2 years required, 3 recommended*

A minimum of two years of the same language.

F. Visual and Performing Art: *1 year required*

One year of *drama/theatre, music, or visual arts*. These courses must contain a creative or performance component.

G. College Prep. Elective Courses: *1 year required*

One year, in addition to those required in “a-f” above, chosen from the following areas: *visual and performing arts, history/social science, English, advanced mathematics, laboratory science, or languages other than English*.

UC Certified Course List for Whitney High School: 2019-20

- ✓ **Underlined** courses taken in grades 10-12 receive honors weighting (one extra grade point for grades of “C” or better) in UC/CSU admissions.
- ✓ Students may earn a maximum of 8 semesters (4 one-year classes) of honors weighting in grades 10-12 for purposes of UC/CSU GPA calculations.
- ✓ Students must earn a grade of “C” or *better* in the courses below in order to meet UC/CSU Subject Requirements.

A. HISTORY/SOCIAL SCIENCE

World History/Geography (H), World History/MUN (H),
AP Human Geography, AP European History,
U.S. History/Geography (H), AP U.S. History/Geography,
Civics H

B. ENGLISH

English I (H), English II (H) English III (H), English IV (H),
Rhetorical & Creative Writing, AP English Language, AP English Literature

C. MATHEMATICS

Mathematics I, Mathematics I Plus Honors, Accel Math I Plus Honors**
Mathematics II, Mathematics II Plus Honors,
Mathematics III, Mathematics III Plus Honors,
Statistical Reasoning, Pre-Calculus, Math Analysis/Calc. A., AP Calculus AB, AP Calculus BC, AP Statistics

D. LABORATORY SCIENCE

Biology (H), AP Biology,
Chemistry CP, Chemistry (H), Chemistry of Living Systems (H), AP Chemistry,
Physics CP, Physics (H), AP Physics-C

E. LANGUAGE OTHER THAN ENGLISH (i.e., World Languages)

Chinese I H, Chinese II H, Chinese III (H) Chinese IV (H), AP Chinese Culture and Language, Spanish I (H), Spanish II (H), Spanish III (H), Spanish IV (H), AP Spanish Culture and Language, Japanese I (H), Japanese II (H), Japanese III (H), Japanese IV (H), AP Japanese Language and Culture, Japanese V (H)

F. VISUAL & PERFORMING ARTS

String Orchestra, Symphonic Band, Jazz Band

AP Art History

Beginning, Intermediate, Advanced, and Applied 2-Dimensional Art

Beginning, Intermediate, and Advanced 3-Dimensional Art

Ceramics I, Ceramics II, Ceramics III, Ceramics IV

Digital Photography

Introduction to Multimedia Production

Intermediate Broadcast Production

Intermediate Film/Video Production

Advanced Arts Management**

Stagecraft and Design

Theatre Lab, Theatre Lab II, Theatre Lab III

G. ELECTIVE COURSES (all courses listed above, plus the following)

Advanced Cinema/Film/Video Production

AP Computer Science Principles

Computer Programming for Solving Applied Problems using Artificial

Intelligence Honors

Economics (H)

Introduction to Game Design (1st semester), Intermediate Game design (2nd semester) (Intro. and Intermediate must be taken in the same year)

Adv. Game Design Honors

Psychology, AP Psychology

Robotics Technologies

****This list will be updated and finalized in September 2019 based on the UC approvals granted for the actual courses offered in 2019-2020 and/or student course enrollment.****

WHS Graduation vs. A-G Requirements

	Whitney Graduation Requirements	UC/CSU A-G Requirements
Social Science (UC/CSU: A)	30 credits: World History (10 th), US History (11 th), Civics. (12 th), Econ. (12 th)	2 Years: World History <i>and</i> US History <i>or</i> 1 Sem. US History & 1 Sem. Civics
English (UC/CSU: B)	40 credits	4 years
Math (UC/CSU: C)	30 credits: Math I Math II Math III (or alt. course)	3 years (meaning up through Math III) 4 years recommended
Science (UC/CSU: D)	20 credits: Biology Chemistry	2 years (3 recommended): 1 year Life Science (Biology) 1 year Physical Science (Chem or Physics)
World Language (UC/CSU: E)	*10 credits	2 years minimum in same language (3 years recommended)
Fine Arts (UC/CSU: F)	*10 credits	1 year
PE	20 credits	None
Health	5 cr (complete in summer)	None
Elective (UC/CSU: G)	75 credits	1 year College Prep Elective
Total Credits	230 credits	15 College Prep classes
General Notes	<ul style="list-style-type: none"> Must pass with D's or better 	<ul style="list-style-type: none"> Must pass with C's or better <u>UC</u> <ul style="list-style-type: none"> 3.0 minimum GPA SAT or ACT w/writing req. Recommend 2 SAT II's <u>CSU</u> <ul style="list-style-type: none"> 2.0 minimum GPA; must meet min. Academic Eligibility Index SAT or ACT w/writing

**** For graduation, you must complete World Language OR Fine Arts, taking both is not required.**

Course Selection Process

**March 4 -
March 19**
Student/Parent
registration
meetings, by grade
level, to plan course
selection

**March 27 -
April 17**
Final deadline for
students to turn in
course request
form to Advisors

May 1
Final deadline for
students to turn in
course appeals
form to Counselors

Changing Course Selections

NOTE: Once registration concludes in the spring, no course changes will be made, except for the following reasons: scheduling errors, course conflicts, summer coursework adjustments, athletic placements, and class balancing. **In other words, the courses students select during registration are the courses they will be expected to take during the coming school year.**

Counseling staff may be required to change student course selections as noted below. Efforts will be made to contact students for input regarding most changes.

Reason:

Result:

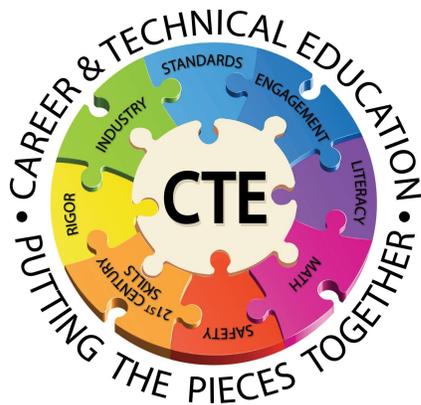
Too few students registered and the course isn't offered, or the course is at capacity.	You will be placed in an alternate course, likely the course you selected as an alternate.
You do/do not qualify for Pep Squad, ASB, Yearbook, or Athletics team by try-out (not student initiated).	Your instructor will let the Advisors know who has qualified and they will make the needed changes.
There is an error in your schedule.	Your Counselor/Student Advisor will work with you to resolve the error.
You completed or lacked coursework during the summer that suggests you take a different class than one you selected during registration.	Your Counselor/Student Advisor will work with you to change your course placement.

- It is recommended that students meet all course recommendations to support student success.
- Students may repeat courses at WHS only if there is room, after first-time requests are filled.
- Matching all students to courses needed is our highest priority. **The scheduled order of classes or assigned teachers is not guaranteed.**
- Any class dropped after the first three weeks of school will earn a "Withdrawal F" grade, which will be computed into the student's grade point average.

Career and Technical Education (CTE) Pathways

Digital Media Pathways

Year 1	Year 2	Year 3
Introduction to Multimedia Production Course #1635	Intermediate Film/Video Production (Film/Video Production Option) Course #7129	Advanced Cinema/Film/Video Production Course #1636
Introduction to Multimedia Production Course #1635	Intermediate Broadcast Production (Broadcast Production Option) Course #1637	Advanced Arts Management Course #1690
Introduction to Multimedia Production Course #1635	Introduction to Game Design (1 st semester) Course #1640 Intermediate Game Design (2 nd semester) Course #1641 <i>Students must take both courses</i> (Game Design Option)	Advanced Game Design Honors Course # 1642



Computer Science Pathway

The Whitney High School Computer Science Pathway is intended for students who are contemplating a career in:

- Artificial Intelligence
- Computer programming/computer sciences
- Data Science
- Information Technology
- Project Management
- Robotics
- Software Development
- Web Developing
- ...and so much more!

All courses in this pathway will be taken in the following sequential order:

Course #1: Robotic Technologies (Course #1643)

This course is designed to introduce students to the skills and programs necessary to program and engineer new devices and technologies. Students will learn and practice the techniques necessary to efficiently utilize computer assisted drafting and design programs, the fundamentals of the engineering design process, and research the scientific content necessary to successfully design and construct simple machines. *Course offering is based on enrollment and might not be available every academic year.*

Course #2: AP Computer Science Principles (Course #4667)

AP Computer Science Principles is a course designed by the CollegeBoard to ground students with a foundation of the most important concepts and uses of computing and technology. Our pathway course is designed with the AP Computer Science Principles exam as the starting point, but as a part of the Pathway, we want students to go beyond the exam. This course will drive students toward independent and personalized learning by allowing students to pursue their keenest interests within this broad field, as well as, develop lifelong learning skills along the way. *Priority is given to students who completed the first course in the Pathway when offered.*

Course #3: Computer Programming for Solving Applied Problems with an Emphasis on Artificial Intelligence (Course #0223)

This course is the capstone of our CTE Computer Science Pathway. This course will take further the content knowledge developed in the previous Pathway courses. This course will provide students a foundation in Artificial Intelligence. Students will be exposed to multiple computer programming languages, many algorithmic and machine learning techniques, autonomous robotics, and the practical and ethical realities of this field growing field. Students will continue to move toward independent goal-setting and learning. *Priority given to students who completed the previous courses in the Pathway.*

The Computer Science Pathway Sequence

Students must complete the Concentrator and Completer Course to receive CTE recognition at graduation.

Introductory Course (Year 1)	Concentrator Course (Year 2)	Completer Course (Year 3)
Course # 1643	Course #4667	Course #0223
Robotics Technologies	AP Computer Science Principles	Computer Programming for Solving Applied Problems with an Emphasis on Artificial Intelligence

English I Honors (#1013) **Grade: 9**

Analyzing style and language, students develop writing skills with extended, organized, and elaborative essays. Students study mostly American literature pieces and apply literary concepts. Students use technology to produce and publish individual and shared writing products, research and present their findings of a career choice, and they synthesize information from a variety of text, including non-fiction to create original text-based reflection and analysis.

English II Honors (#1023) **Grade: 10**

This course will focus on the major literary texts from World literature, heavily alluded to in other works and later English courses as well as text-based documents. Emphasis for novels will be on both literary and historical perspectives, while text-based documents will focus on the ability to pull relevant information from selected pieces. Students write with increasing analytical and philosophical depth and develop the ability to determine the structure and style appropriate for a variety of writing purposes and audiences. Through all materials students will synthesize information to produce original responses that consider a variety of sources.

English III Honors (#1033) **Grade: 11**

Students study and analyze culturally diverse American literature spanning the 20th century, including novels, short stories, poetry, and essays. The class emphasizes the continual development of students as critical readers and writers; students will write in a variety of writing genres and formats to develop their skills.

English IV Honors (#1045) **Grade: 12**

Students read culturally and chronologically diverse literature in various genres to develop critical thinking skills. Students write in several genres, including personal reflection, narrative, and expository essay. Emphasis is placed on preparing students to read, write, and collaborate at the college level through group projects and presentations.

AP English Language (#1034) **Grade: 11**

Recommendation: An “A” grade in both semesters of English the previous year.

This course prepares students for successful performance on the AP Language and Composition Exam through language analysis, effective writing strategies, and critical reading skills. The course includes a study of literary classics, prominent nonfiction works, vocabulary building, and a research project.

Rhetorical & Creative Writing (#1191) **Grade: 12**

This course enhances students’ rhetorical and creative writing skills as well as students’ ability to understand the nuances of professional writing. Students will be involved in close reading activities as they analyze professional and personal publications and work within a number of different writing genres, including personal reflection, narrative, expository, and more. Special attention is paid to strategies for revising and editing, and students will work both individually and collaboratively.

World Languages

** The prerequisite recommendations for language courses are based upon the experience and content expertise of our faculty. However, we recognize your right to disagree with these recommendations, and within certain parameters, to appeal the recommendations of our staff. An appeal may be honored only in situations where the student came close to meeting the recommendations, and/or due to extenuating circumstances, should be allowed to attempt the more rigorous level. Please sign up for the course you qualify for and submit the appeals form to your Counselor/Student Advisor when you turn in your course request form.**

- All courses beyond Level II Honors are taught fully in the target language.

Level I - Honors Grades: 8-10

Chinese	2021
Japanese	2079
Spanish^	2100

This course is designed to cover basic vocabulary and grammar in the target language while incorporating cultural awareness. The fundamentals of listening, speaking, reading, and writing in the target language are studied.

Level II - Honors Grades: 9-12

Chinese	2023
Japanese	2076
Spanish	2106

Recommendation: “C” or better in Level I Honors or Department approval.

This course is designed to continue the study of vocabulary, grammar, and culture. The skills of listening, speaking, reading, and writing are expanded. In Japanese, *kanji* is introduced.

Level III - Honors Grades: 10-12

Chinese	2018
Japanese	2077
Spanish^	2107

Recommendation: “C” or better in Level II Honors or Department approval.

This course is designed to improve proficiency in listening, speaking, reading, and writing. Students also expand their knowledge of appropriate cultural behaviors. Advanced vocabulary and grammatical structures are introduced. In Japanese, *kanji* study is continued.

Level IV Honors Grades: 11-12

Chinese	2011
Japanese	2080
Spanish^	2094

Recommendation: “B” or better in Level III Honors or Department approval.

This course increases proficiency in listening, speaking, reading, and writing while exploring contemporary issues, fine arts, and literature. In Japanese, the study of *kanji* is continued. In Spanish, the use of the language in professional fields is covered.

Level IV Advanced Placement Grades: 11-12

AP Chinese Language and Culture 2064

AP Spanish Language and Culture^ 2105

Recommendation: “A” in Level III Honors, or “A” in Level IV Honors, or Department approval.

The course prepares the students for the Advanced Placement Language and Culture Examination in Spanish or Chinese. There is extensive practice in all four modalities: listening, speaking, reading, and writing. Some topics of study include grammatical structures, idioms, and cultural practices.

Level V Honors Grade: 12

Japanese 2190

Recommendation: “B” or better in Level IV Honors or Department approval.

This course is designed to further expand language proficiency through an in-depth study of complex grammatical structures and (in Japanese) orthography.

Level V Advanced Placement Grade: 12

AP Japanese Language and Culture 2136

Recommendation: “A” in Level IV Honors or Department approval.

This course is designed to prepare the students for the Advanced Placement Examination in Japanese Language and Culture. Extensive practice is provided in listening, speaking, reading, and writing. Advanced grammatical structures are covered and idiomatic expressions are incorporated.

Mathematics

** The prerequisite recommendations for math courses are based upon the experience and content expertise of our faculty. However, we recognize your right to disagree with these recommendations, and within certain parameters, to appeal the recommendations of our staff. An appeal may be honored only in situations where the student came close to meeting the recommendations, and/or due to extenuating circumstances, should be allowed to attempt the more rigorous level. Please sign up for the course you qualify for and submit the appeals form to your Counselor/Student Advisor when you turn in your course request form.**

- For course sequencing, see the “Math Progression Flow Chart” on page 25
- For additional AP course information, visit the College Board website:
<http://apcentral.collegeboard.com/apc>
- For additional information regarding the Common Core State Standards for courses through pre-calculus, please visit the California Department of Education’s website:
<https://www.cde.ca.gov/ci/ma/cf/mathfwchapters.asp>

Math 7 (#4973) **Grade: 7**

A TI-84 graphing calculator is recommended for this course

Students in Math 7 develop an understanding of ratios and proportional relationship; which include percent problems, solving problems involving scale drawings, and graphing proportional relationships. In addition, students study operations with rational numbers and work with expressions and linear equations to solve problems. Geometric constructions are introduced as well as two and three-dimensional shapes in order to solve problems involving area, surface area, and volume. Students use their previous knowledge of single data distributions to compare two data distributions and eventually begin drawing inferences about populations based on samples.

Accelerated Math 7 – H (#4487) **Grade: 7**

A TI-84 graphing calculator is recommended for this course

The Accelerated Math 7 Honors course incorporates all standards from Math 7 and additional standards from Math 8; which include systems of linear equations, scale drawings, inferences, and modeling using bivariate data.

Math 8 (#4983) **Grade: 8**

A TI-84 graphing calculator is recommended for this course

In Math 8, students begin formulating and reasoning about expressions and equations. The curriculum includes using a linear equation to describe the association between two quantities in bivariate data. The concept of a function is studied and students develop an understanding that the functions describe situations where one quantity determines another. Geometric concepts studied in this course include analyzing two and three-dimensional space and figures using distance, angle, similarity, and congruence. In addition, students learn and apply the Pythagorean Theorem.

Accelerated Math I Plus Honors (#4585) Grade: 8 or 9

**Recommendation: “B” or better in both semesters of Accelerated Math 7 OR
“B” in both semesters of Mathematics 8 OR
“A” in both semesters of Math 7 and successful completion of the
Summer Bridge Course**

A TI-84 graphing calculator is recommended for this course

This course incorporates standards from part of Math 8, all of Math I, and part of Math II. The curriculum includes: functions and function families; solving one-variable equations and inequalities; linear functions and inequalities; bivariate data; systems of linear equations and inequalities; real numbers, square roots, cube roots, and volume; distance formula, Pythagorean Theorem, and coordinate proofs; exponential functions; sequences; triangle proofs; quadrilaterals (parallelograms) and constructions; and circles and constructions.

Mathematics I (#4484) Grade: 9

A TI-84 graphing calculator is recommended for this course

Mathematics I is the first course of the three course sequence: Mathematics I, Mathematics II, and Mathematics III. This one year course satisfies the California Common Core Standards for Integrated Mathematics I. The Mathematics I course focuses on the following areas: functions; linear functions; equations; inequalities; sequences; basic exponential functions; systems of linear equations; systems of linear inequalities; one variable descriptive statistics; correlation; residuals; and analyzing categorical data; mathematical modeling; and coordinate and transformational geometries.

Mathematics II (#4485) Grade: 9 - 10

**Recommendation: “C” or better in both semesters of Accelerated Math 8 OR
“C” or better in both semesters of Math I or Math I Plus-Honors**

A TI-84 graphing calculator is recommended for this course

Mathematics II is the second course of the three course sequence; Mathematics I, Mathematics II, and Mathematics III. This one year course satisfies the California Common Core Standards for Integrated Mathematics II. The Mathematics II course focuses on the following areas: laws of exponents including rational exponents; compare key characteristics of quadratic functions to linear and exponential functions; create and solve equations and inequalities involving linear, exponential, and quadratic expressions; extend work with probability; similar triangles based on dilations and proportional reasoning; right triangle trigonometry; and consolidate functions in geometry to create models and solve contextual problems.

Mathematics II Plus-Honors (#4482) **Grades: 9 - 10**

Recommendation: “B” or better in both semesters of Mathematics I Plus Honors OR

“B” or better in both semesters of Accelerated Math 8

A TI-84 graphing calculator is recommended for this course

This course is taken after Accelerated Math I Plus Honors. It finishes the standards of Math II, and covers half of the standards of Math III. Topics include: similarity; introduction to trigonometry; right-triangle trigonometry; exploring functions (absolute value, piece-wise, and exponential); introduction to quadratic functions; solving quadratics; complex numbers; conic sections (circle, parabola, ellipse, and hyperbola); radical functions; polynomial functions; and cubic and quartic functions. Current Math I students who earned the recommended grade of “A” in both semesters of Math I may opt to move to Math II Plus H their following year by taking a required a summer bridge class.

Mathematics III (#4486) **Grades: 10 - 11**

Recommendation: “C” or better in both semesters of Mathematics II or

“D” or better in both semesters of Mathematics II Plus-Honors

A TI-84 graphing calculator is strongly recommended for this course

Mathematics III is the third course of the three course sequence: Mathematics I, Mathematics II, and Mathematics III. This one year course satisfies the California Common Core Standards for Integrated Mathematics. The Mathematics III course focuses on the following areas: the complex number system; seeing structure in expressions; polynomials and rational expressions; creating equations; reasoning with equations and inequalities; functions; linear, quadratic, and exponential models; trigonometric functions; similarity, right triangles and trigonometry; conics; modeling with geometry; interpreting categorical and quantitative data; justifying conclusions; and probability.

Mathematics III Plus-Honors (#4483) **Grades: 10 - 11**

Recommendation: “B” or better in both semesters of Mathematics II Plus-Honors

A TI-84 graphing calculator is strongly recommended for this course

Mathematics III Plus-Honors is the third course of the three course honors sequence. This one year course satisfies the California Common Core Standards for Mathematics III AND incorporates some California Common Core Standards for Pre-Calculus (the “plus” standards). The Mathematics III Plus- Honors course focuses on all topics covered in Mathematics III and more analysis and operations with complex numbers; addition, subtraction, multiplication and division of rational expressions; understand and graph functions and equations defined parametrically; graph polar coordinates and curves; convert between the polar and rectangular coordinate systems; more in depth analysis of inverse functions; inverse trigonometric functions; solve trigonometric equations using inverse functions and technology; prove and apply trigonometric identities; conics-ellipse and hyperbola; use completing the square to change the general conic equation into standard form for all conics and identify which conic is represented; Law of Sines and Law of Cosines; using trigonometry to find the area of a triangle; more difficult factoring problems; use polynomial long division to rewrite polynomials; convert formulas into other forms; more in depth analysis of the graphs of functions; more in depth modeling real world problems with the appropriate type of functions.

Statistical Reasoning[^] (#4645) **Grades: 11 - 12**

Recommendation: A passing grade in both semesters of Math III, Math III Plus H, or Pre-Calculus

A TI-84 graphing calculator is recommended for this course

Statistical Reasoning teaches students how to use the four-steps of the statistical process: ask questions, collect data, analyze data, and make conclusions. Although the context of the examples and exercises are sports related, the primary focus of the class is to teach the basic principles and tools of statistical reasoning. This course is an alternative to Pre-Calculus for college bound students. This course also serves as a preparation class for AP Statistics.

Pre-Calculus (#4609) **Grades: 11 - 12**

Recommendation: A passing grade in both semesters of Math III Plus Honors OR “B” or better in both semesters of Math III

A TI-84 graphing calculator is recommended for this course

This one-year course satisfies the California Common Core Standards for Pre-Calculus. This course prepares students for AP Calculus AB or for College Differential Calculus. The course revisits Math III topics, covers math analysis concepts, and focuses on developing students’ understanding of trigonometry.

Math Analysis/Calculus A Honors (#4519) **Grade: 11**

Recommendation: 11th grade: “B” or better in both semesters of AP Statistics AND “B” or better in both semesters of Mathematics II Plus Honors

A TI-84 graphing calculator is recommended for this course

This demanding and rigorous course prepares students for AP Calculus BC. Students must have a strong foundation of algebraic concepts and computations. During the first semester, this course finishes the Math III and Precalculus curriculums. Topics include: rational functions, trigonometric functions, analytic trigonometry, vectors, sequences/series, and analytic geometry (parametric and polar equations). During the second semester, the course develops students’ understanding of the concepts of differential calculus providing experience with its methods and applications. Topics include: functions, graphs, limits, continuity, derivatives, and applications of derivatives.

AP Calculus AB (#4507) **Grades: 11 - 12**

Recommendation: “B” or better in both semesters of Mathematics III Plus Honors or Pre-Calculus

A TI-84 graphing calculator is required, as per the College Board, for this course

This is an Advanced Placement course that covers the topics determined by the College Board. See website at the beginning of this section for topics. This challenging, demanding, and rigorous course prepares students for the Advanced Placement test in AP Calculus AB. Some outside class hours are required.

AP Calculus BC (#4508)

Grade: 12

Recommendation: “B” or better in both semesters of AP Calculus AB OR Math Analysis/Calculus A Honors

A TI-84 graphing calculator is required, as per the College Board, for this course

This is an Advanced Placement course that covers the topics determined by the College Board. See website at the beginning of this section for topics. This challenging, demanding, and rigorous course prepares students for the Advanced Placement test in AP Calculus BC. Some outside class hours are required.

AP Statistics^ (#4592)

Grades: 10, 12

Recommendation: “B” or better in both semesters of Mathematics III, OR

“C” or better in both semesters of Mathematics III Plus Honors, OR

“B” or better in both semesters of Statistical Reasoning, OR

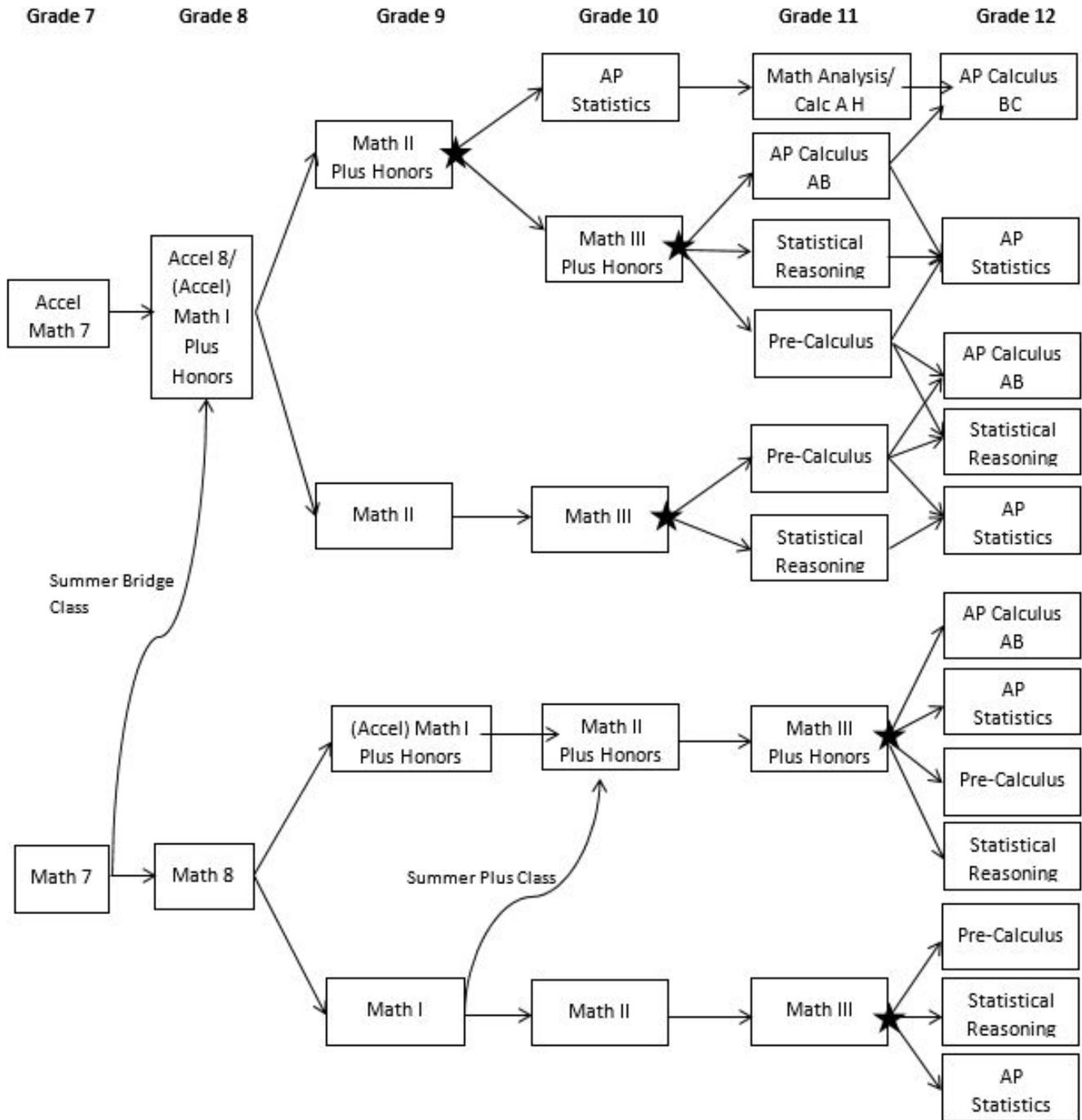
a passing grade in both semesters of Pre-calculus or AP Calculus AB.

For current 9th grade only: “B” or better in both semesters of Mathematics II Plus Honors.

A TI-84 graphing calculator is required, as per the College Board, for this course

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Some outside class hours may be required. After the AP exam, students will learn some Math III curriculum (logarithmic and trigonometric functions).

MATH PROGRESSION FLOWCHART 2019



★ Calculus Focus: For careers in math, engineering, physics, chemistry, etc.
 ★ Statistics/Exposure to Research Focus: For careers in the humanities, nursing, psychology, English, history, or for other research based careers

Physical Education

** 9-12th graders may elect, under certain circumstances according to Board Policy at the start of the semester, to receive a “Credit / No Credit” grade for these courses. Please see your Counselor/Student Advisor for more information. **

Petition to waive one year of P.E. requirement

Students in grades 10-12 who have passed the *Fitness Gram* and meet the board policy requirements, are currently nationally ranked in athletics (must be verified), and are actively training for national or international competition, may be granted a waiver of one year (two semesters) of the P.E. subject requirement. This waiver shifts the credit requirement from “P.E.” to the “Elective” category, so the total credits required for graduation remains the same (230). See counselor for board policy information and required documentation.

P.E Requirement (#6090) _____ Grades: 7-12

This course introduces students to various team and individual sports. Co-ed team sports include track and field, volleyball, softball, basketball, football, badminton, soccer, and ultimate frisbee. Instruction and individual preparation for the California Physical Fitness Test (*Fitness Gram*) is provided for all students. Participation, physical fitness, short and long term goal planning, and sportsmanship are emphasized throughout the year.

Auxiliary Units/Pep (i.e., Cheer) (#6018) _____ Grades: 9-12

Recommendation: Auditions in spring.

This class is for Pep Squad members. This unit practices after school, performs at pep rallies and home games, and may compete in local cheer competitions.

P.E. Athletics _____ (See course numbers on next page) Grades: 9-12

Recommendation: Intention to play high school sport(s), approval of Athletic Director, GPA of 2.0 or better, and all paperwork as described below:

These courses are only for students participating in high school athletics. All 9th and 10th grade athletes must enroll in PE Athletics all 4 quarters. 11th – 12th grade athletes who have passed the *Fitness Gram* may choose whether to enroll in PE Athletics off-season based on their PE credit needs (20 credits for graduation). Practice and game times will go beyond the regular school day hours, and teams will travel to compete with other high schools. Grades for athletics are based on participation. This includes all practices, team functions and events and games throughout the approximate 100 day season. Regular, daily participation is crucial and the biggest factor to determine a grade. All team events are required as we do not offer any optional events. All student athletes must understand this includes being available during the summer for Fall Sports; Fall Break, Winter Break and holiday Monday’s for Winter Sports; and holiday Mondays and Spring Break for Spring Sports. PE Athletics is a rigours program.

Students should sign up for any sports they are interested in playing before June. After the school year begins, schedule changes for sports may not be possible. Students must complete and return the following by the designated date or may be dropped from PE Athletics:

1. A physical taken after May 1st of current year on Pre-participation Physical Evaluation Form
2. A copy of health insurance card (proof), or purchase insurance through the school
3. A Student-Athlete Code of Ethics signed by student and parent

4. A signed Concussion Information Sheet
5. A completed “Blue Card” (permission to transport & emergency contacts) for each sport
6. A signed Whitney Athletics Participation Form & Waiver

To offset rising transportation costs, a one-time-a-school year transportation fee will be charged to all members of athletic teams and auxiliary units. Transportation fees need only to be paid once a school year regardless of how many sports/units in which a student participates. A \$120 transportation fee will become an obligation if not paid. Any senior with obligations may not walk during graduation. Fees are non-refundable.

The transportation fee is as follows:

* \$120 Transportation fee paid at the Finance Office

The purchase of an ASB card provides students/families with school event discounts.

Failure to complete ALL required paperwork and financial obligations will preclude participation in ANY athletic practices or games. Please see your Counselor/Student Advisor if you and/or your family is experiencing financial hardships.

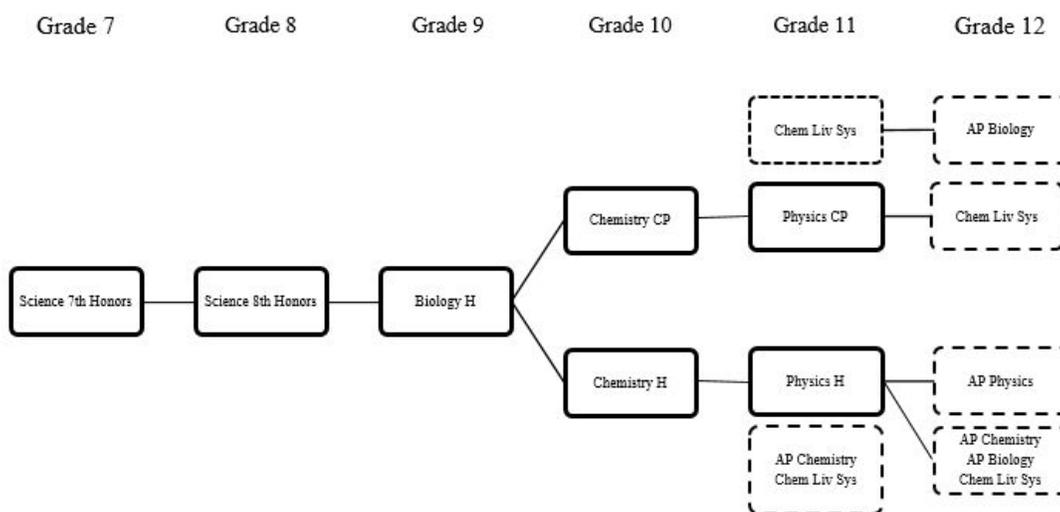
All students in all sports must be enrolled in the Athletics course(s) in which they participate.

All students must enroll in the quarter(s) of PE Athletics that correspond to the quarters of their sports. For 11th – 12th graders, enrollment in PE Athletics during off-season quarters is optional based on PE credit needs.

<u>1st Quarter (Fall)</u> 2.5 Credits	Girls’ Volleyball	6101	Girls’ Tennis	6109
	Boys’ Waterpolo	6108	Cross Country	6113
			Girl’s Golf	6111
<u>2nd Quarter (Winter)</u> 2.5 Credits	Girls’ Soccer	6103	Girls’ Basketball	6105
	Boys’ Soccer	6104	Boys’ Basketball	6106
	Girls’ Waterpolo	6063		
<u>3rd Quarter (Spring)</u> 2.5 Credits	Boys’ Volleyball	6102	Softball	6114
	Swim	6107	Baseball	6115
	Boys’ Tennis	6110	Boy’s Golf	6111
	Track	6112	Badminton	6071
<u>Quarterly PE Athletics</u> 2.5 Credits per quarter	1 st Quarter	6116		
	2 nd Quarter	6117		
	3 rd Quarter	6118		
	4 th Quarter	6119		

Science

** The prerequisite recommendations for science courses are based upon the experience and content expertise of our faculty. However, we recognize your right to disagree with these recommendations, and within certain parameters, to appeal the recommendations of our staff. An appeal may be honored only in situations where the student came close to meeting the recommendations, and/or due to extenuating circumstances, should be allowed to attempt the more rigorous level. Please sign up for the course you qualify for and submit the appeals form to your Counselor/Student Advisor when you turn in your course request form.**



Science 7th Honors, Science 8th Honors, Biology, Chemistry and Physics are core science courses tested on state exam. Laboratory sciences Biology and Chemistry will satisfy UC's "F" subject requirement. All students must take Physics in 11th if they wish to continue with science.



Science elective courses: Chemistry of Living Systems, AP Chemistry, and AP Biology are elective courses available in labeled grades. Students interested in STEM can choose to take additional science electives in their 11th and/or 12th grade year if schedule permits.

Science 7 Honors (#7879)

Grade: 7

This course integrates aspects of life, physical and Earth sciences in accordance with the Next Generation Science Standards (NGSS) - science concepts will be taught using science and engineering processes, while emphasizing the role of crosscutting concepts as themes in science. Course topics will include levels of organization in living things, the chemistry of living things, cellular processes, earth materials, resources and cycles, and the effect of human activity on Earth's resources and ecosystems.

Science 8 Honors (#7889) **Grade: 8**

This course integrates aspects of life, physical and earth sciences in accordance with the Next Generation Science Standards (NGSS) - science concepts will be taught using science and engineering processes, while emphasizing the role of crosscutting concepts as themes in science. Course topics will include geologic history, forces and motion, astronomy, electromagnetism, genetics, and evolution.

Biology Honors (#7621)^ **Grade: 9**

Biology Honors is a one-year laboratory science course devoted to the study of living organisms and their interaction with their environment. Topics include the chemistry of life, cell structure and function, heredity, molecular genetics, evolutionary biology, diversity of organisms, human physiology, and ecology. Students are expected to demonstrate critical thinking skills and higher levels of understanding.

Chemistry – CP (#7630) **Grade: 10**

Recommendation: Completion of Biology

Chemistry CP is a one-year laboratory science course. It is an introduction to inorganic chemistry and is intended to expose students to the fundamentals of chemistry. Topics include ionic bonding, nomenclature, solution chemistry, precipitation reactions, acid/base reactions, redox reactions, gas laws, energy, molarity, stoichiometry, and equilibrium.

Chemistry Honors^ (#7631) **Grade: 10**

Recommendation: Concurrent enrollment in Math III plus honors or AP Statistics OR “A” or better both semesters in Math II OR “A” or better both semesters of Math I Plus Honors

This is an *accelerated* laboratory-based science course designed for students who are ready for a challenging and rigorous study of chemistry. Quantitative problem solving is continually emphasized as are the tools and language of chemistry. Major units include solutions, thermochemistry, bonding and structures, the behavior of gases, reaction rates, acid/based chemistry, and chemical equilibrium. Nuclear chemistry and organic chemistry are introduced.

Physics - CP (#7640) **Grades: 11-12**

Recommendation: Completion of Chemistry

This course is intended for students who may not plan to study a Physical Science related field in college, but rather are interested in a life enriched through the understanding of Physics. Students will use the topics of Forces and Motion, Momentum, Energy, Physical and Electromagnetic Waves, and Earth and Space Science to better understand the world around them. There is a strong emphasis on the way Physics interacts with other subjects, from mathematically analyzing large geographic data sets to synthesizing the social, economic, and cultural issues that can conflict with what would be seen as ideal through only the lens of Physics.

Physics Honors (#7641)**Grades: 11-12****Recommendation: “B” or better in Chemistry honors or “A” or better in Chemistry CP**

This is a course for students who are ready to explore what their mind is truly capable of. The science of physics has always been known not simply as the foundational science of the Scientific Revolution, but also for producing thinkers who can take what they’ve learned in physics and use it to bring insight into the rest of the scientific world and other fields altogether - which is why physics majors are in demand in occupations that seem to have nothing to do with physics. This is a class for students who want to gain deep understanding not simply about physics, but about the physical world around them. Topics covered will include Forces, Kinematics, Conservation of Momentum and Energy, Waves, Electricity, and Magnetism along with new topics brought in by the NGSS standards such as the Physics of Information, Astrophysics, and Geophysics. Students will gain exposure to the topics themselves, to the science and engineering practices that go with them, and to what the NGSS calls crosscutting concepts which are central to the use of creativity in any kind of problem solving setting.

Chemistry of Living Systems H (#7635)^**Grades: 11-12****Recommendation: “C” or better in Biology AND Chemistry AND concurrent enrollment or completion of Physics**

Chemistry of Living Systems, which includes curriculum from the class, Advanced Topics in Biology, encompasses a wide range of topics from human health to biotechnology, synthetic biology to microbiomes, and biofuels to bioremediation. This class will provide students with brief background in biochemistry, genetics, molecular biology, and basic microbiology. Connecting these topics with a variety of fields including health care, epidemiology, clinical diagnostics, food microbiology, microbial fermentation, environmental testing, health and environmental public policy, biotechnology, bioenergy, and biomanufacturing.

AP Physics (#7642)**Grade: 12****Recommendation: “B” or better in Physics Honors AND concurrent enrollment or completion of AP Calculus AB or BC.**

This is a second year physics course. It is a calculus-based course that covers mechanics in greater depth. The content includes motion in one and two dimensions, Newton’s Laws of motion, circular motion, work, energy, momentum, torque, rotation of rigid objects, gravitation. This course is a beginning, university-level course of study for science and engineering majors. It prepares students for the Advanced Placement Physics “C” mechanics portion of the exam.

For more information visit:

<https://apcentral.collegeboard.org/courses/ap-physics-c-mechanics/exam>

AP Biology^ (#7622)**Grade: 12**

Recommendation: “B” or better in Biology Honors, AND a “B” or better in Chemistry Honors, or “A” in Chemistry CP. Completion or concurrent enrollment in CLS will be required for seniors in the 2019-2020 school year.

This course is a university level, introductory course intended for aspiring Life Science majors. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, biochemistry, genetics, physiology, and ecology. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

For more information visit:

<http://media.collegeboard.com/digitalServices/pdf/ap/13b-7589-AP-Biology-ADA-v0.1.pdf>

AP Chemistry (#7632)**Grades: 11-12**

Recommendation: Completion of Chemistry Honors AND concurrent enrollment or completion of Physics.

AP Chemistry covers content typical of a first-year college general chemistry course. To succeed in this course, students must exhibit high levels of commitment, motivation, and academic maturity. Students will spend about two hours per week working on college level experiments, including Inquiry Labs. The rigorous and thorough treatment of six big ideas are further outlined in the AP Chemistry College Board link:

<http://media.collegeboard.com/digitalServices/pdf/ap/ap-course-overviews/ap-chemistry-course-overview.pdf>

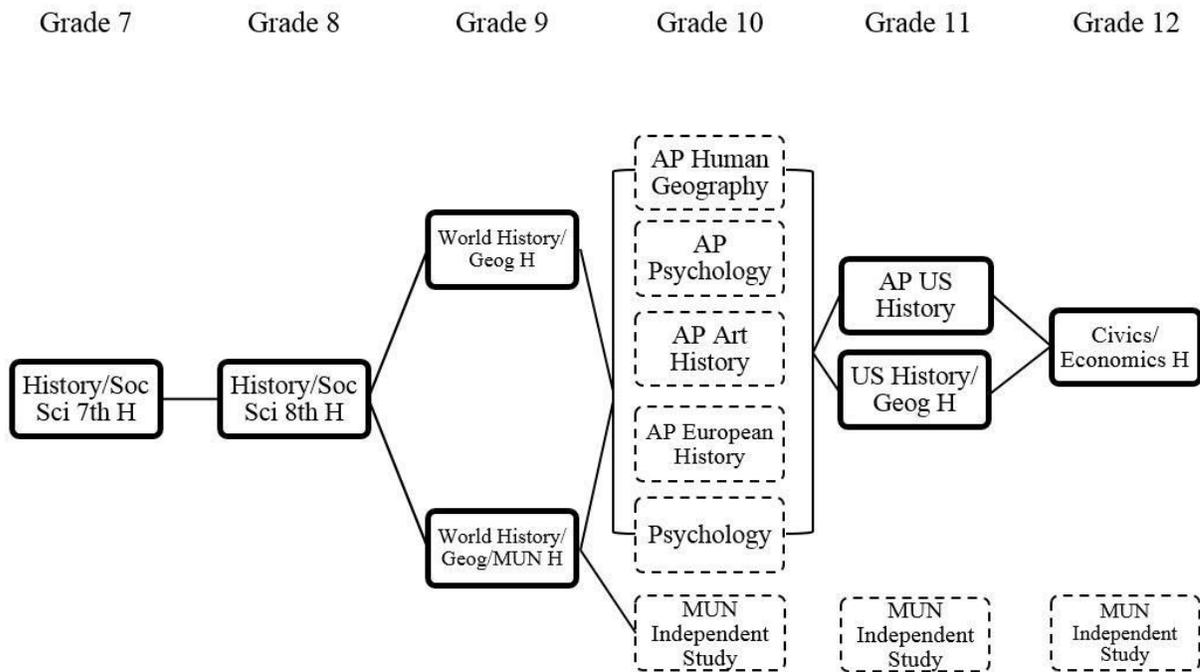
Science and Engineering Practicum (#7649)**Grades: 9-12**

Recommendation: For 9th graders, an “A” in Honors 8th Grade Science or by appeal. For 10th-12th graders, an “A” in Honors Biology or by appeal.

Science and Engineering Practicum is an option for 9th to 12th grade students who want to further their science and engineering skills. Students will have an opportunity to explore biology, chemistry, earth space science, physics and engineering through engaging in hands-on, interactive, inquiry based activities and independent research. The class may meet during 8th period, twice a week from 3-5:00. Students will gain class credit by attending classes, participating in two Science Olympics Invitational events that will take place on Saturdays in different cities, and by completing independent research projects. At the end of the school year, students will be required to present their projects.

Social Science

** The prerequisite recommendations for social science courses are based upon the experience and content expertise of our faculty. However, we recognize your right to disagree with these recommendations, and within certain parameters, to appeal the recommendations of our staff. An appeal may be honored only in situations where the student came close to meeting the recommendations, and/or due to extenuating circumstances, should be allowed to attempt the more rigorous level. Please sign up for the course you qualify for and submit the appeals form to your Counselor/Student Advisor when you turn in your course request form.**



 All students must take these classes at the grades indicated. World History and US history will satisfy UC's "a" subject requirement.

 Elective course: AP European History, AP Human Geography, AP Psychology, Psychology, AP Art History, and MUN Independent Study, can be taken in grades 10th through 12th grade.

History/Social Science 7 Honors (#8371) ^ Grade: 7

Medieval and Early Modern Times

Students examine world history from the fall of Rome to the Renaissance. Emphasis is placed on the political, social, cultural, and economic influences of each period. Research-oriented projects are required, stressing a creative summary of a historical topic focused on a specific theme. This course emphasizes the skills necessary to participate effectively in the Whitney Program: time management, studying techniques, note taking, outlining, researching and analyzing primary and secondary sources, and writing analytical reports.

History/Social Science 8 Honors (#8381) ^ Grade: 8

Early United States History and Geography

This course emphasizes significant events in the American experience from the nation's founding to 1914 that have generated emotions, ideals, institutions, and values in the United States. Students become acquainted with the people who lived during those critical times and get a sense of their feelings, values, and motivations. Students become knowledgeable of the contributions of women, men and members of various ethnic groups to the political, economic, social, and aesthetic dimensions of American life. This course stresses the common American experience and culture that transcends classifications. A research based semester project revolving around a historical topic or theme is required.

World History/Geography Honors (#8004) ^ Grades: 9-10

This course reviews the historical, political, social, and cultural developments of the world from the late 18th century to the present. Major themes covered include the French Revolution, the Industrial Revolution, the Rise of Imperialism, World War I, World War II, and Nationalism in the contemporary world. It includes projects that emphasize original research, analytical and creative thinking, as well as, skill development in the process of writing historical research papers.

World History/Geography

Model United Nations Honors (#8010) Grades: 9-10

Recommendation: "B" or better in both semesters of 8th grade Social Science Honors.

This course follows the same guidelines as the World History/Geography course with a greater emphasis on current events and issues. In addition, students will attend and participate in Model United Nations activities and conferences at the school and throughout the Southland. MUN activities concentrate on conference preparation, debate skills, public speaking, and resolution writing. All students are required to attend at least two MUN conferences each semester. Parent participation is highly encouraged.

AP European History (#8090) Grades: 10-12

Recommendation: All students, including Juniors and Seniors, must have a "B" grade or better in both semesters of their prior year's Social Science course.

****Note: A grade of "B" or better in this course is recommendation for AP U.S. History****

This course emphasizes European history beginning in 1450, and also includes an examination of the political and diplomatic, intellectual, cultural, social and economic history of Europe. A commitment to academic achievement is essential. A summer reading or research project may be required.

AP Human Geography (#8014) ^ Grades: 10-12

Recommendation: All students, including Juniors and Seniors, must have a "B" or better in both semesters of their prior year's Social Science course.

****Note: A grade of "B" or better in this course is recommendation for AP U.S. History****

This course is designed to introduce students to the study of patterns and processes that have contributed to human understanding, use and alteration of the Earth. Students will examine a variety of topics including: population issues, cultural patterns, political organization, land use, industrialization/development and urbanization from a geographic perspective.



Social Science Related Elective Courses

The following courses earn **Elective credit only**. They are not counted as ABCUSD graduation credit for Social Science.

AP Art History (#1533)

Grades: 10-12

Recommendation: A “B” or higher in the social science class taken the previous year. World History or World History/MUN must be taken prior to this class.

This course counts for UC “F” Fine Arts Credit.

This AP Art History course explores such topics as the nature of art, its uses, its meaning, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters and in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history.

AP Psychology (#8129)

Grades: 10-12

Recommendation: All students, including Juniors and Seniors, must have a “B” or better in both semesters of their prior year’s Social Science course.

****Note: A grade of “B” or better in this course is recommended for AP U.S. History****

This course counts for UC “G” Elective Credit.

The AP Psychology course is a **college-level** course designed to assist students to earn a 3-5 score on the AP test in May. The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Psychology (#8130) ^

Grades: 10-12

Recommendation: Completion of a World History/Geography course. Enrollment priority will be given to 10th grade students.

**** Note: An “A” in this class is recommended for AP U.S. History. ****

This course counts for UC “G” Elective Credit.

This course is a **high school level** course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will acquire some of the skills necessary to address problem areas of life and make life more enjoyable. Students are exposed to facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the ethics and methods used in modern psychological practice.

Student Government 9-12 (#8111) 7 & 8 (#5920) Grades: 7-12

Recommendation: Elected or appointed students in ASB must meet academic and school citizenship requirements.

Enrollment in Leadership is required for all students who hold appointed or elected ASB offices. The students in the class form the ASB Student Council. They conduct meetings, prepare and plan activities for the entire school, and represent the student body to the administration and staff. The students will work together and develop their leadership and organizational skills.

Model United Nations : Independent Study* (#8193) Grades: 10-12

Recommendation: For 10th to 12th graders: Successful completion of the 9th grade World History/MUN class with a “B” or better, or instructor permission. For students repeating the course, successful completion of the MUN Independent Study Course with a “B” or better, though the instructor reserves the right to limit enrollment based on the quality of conference achievement. * May be repeated for credit.

MUN Independent Study is an option for 10th to 12th grade students to continue their participation in the MUN program after taking the 9th grade World History/MUN Class. Students must attend at least two intermediate or one advanced conference a semester and participate in our MUN conference held in May. Students gain additional class credit for awards won and for assignments assisting the running of the MUN program such as publicity, website design, etc.

Visual and Performing Arts

AP Art History (#1533) Grades: 10-12

Recommendation: “B” or higher in the social science class taken the previous year. World History or World History/MUN must be taken prior to this class.

This course counts for UC “F” Fine Arts Credit.

This AP Art History course explores such topics as the nature of art, its uses, its meaning, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters and in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history.

Beginning 2-Dimensional Art (#1547) Grades: 8-12

This course is the foundation for all the other visual arts courses offered and is recommended for any student who wants to enter the field of visual arts or who wants to experience a variety of techniques and media for pure enjoyment. A special emphasis is placed on right-brain drawing skills using supplement “Drawing on the Right Side of the Brain.” This course also integrates art history as it relates to the field of the visual arts and the text “Art Talk” will be used to teach design and composition. Students learn to draw, paint, and design.

Intermediate 2-Dimensional Art (#1548) Grades: 9-12

Recommendation: “B” or better in Beginning 2-Dimensional Art and instructor approval.

Students advance their drawing skills and gain technical competence in observing, recording and creatively interpreting the visual environment. Emphasis will be placed on exploring and developing one’s personal realistic shading style. Techniques for handling various media are explored by working on assigned problems in shading, perspective, water color, charcoal, ink, pencil, felt tip, and collage techniques.

Advanced 2-Dimensional Art (#1549) Grades: 9-12

Recommendation: “A” in Intermediate 2-Dimensional Art and instructor approval.

This advanced course is designed for students who plan to continue their education in the field of art and/or those who wish to develop further skills in art, especially work in color. The class emphasizes refined drawing and painting techniques and advanced in-depth work in several art media through the planning and development of individual projects. Students will use the supplement Discovering Art History as a reference for some assignments.

Applied 2-Dimensional Art (#1553) Grades: 9-12

Recommendation: “A” in Advanced 2-Dimensional Art and instructor approval.

This is an independent study course designed for the highly motivated, serious visual arts student who wants to pursue the fine arts in college and needs to work on preparing their portfolio. Each student is placed on a contract (based on attendance, classroom preparation, and independent work).

Ceramics I (#1509) **Grades: 8-12**

This course introduces students to the many possibilities of ceramics as an art form. They learn the basic handbuilding techniques such as pinch, coil, and slab methods, including glazing and firing processes. The students also have an opportunity to learn the basic skills of throwing on the potter's wheel.

Ceramics II (#1510) **Grades: 9-12**

Recommendation: "B" or better in Ceramics I and instructor approval.

This course is designed for the serious ceramics student who wants to explore extensive handbuilding techniques. Beginning Potters wheel skills are taught.

Ceramics III (#1511) **Grades: 9-12**

Recommendation: "A" in Ceramics II and instructor approval.

This course is designed for the very serious clay student to fine tune hand-building and throwing skills. Advanced surface design techniques will be taught as well.

Beginning 3-Dimensional Art (#1550) **Grades: 8-12**

This course introduces the student to the variety of three-dimensional design that is historically related to the diverse cultures of our world. Students work on three-dimensional projects in the following areas: spinning, weaving, basketry, wire, wood, felt-making, acrylic clay (Fimo), papermaking, fabric design, eco-dyeing, Shibori, beading, quilting, tie-dye, and much more!

Intermediate 3-Dimensional Art (#1551) **Grades: 9-12**

Recommendation: "A" in Beginning 3-Dimensional Art and instructor approval.

This is an intensive study for the highly-motivated and responsible student who excelled in Beg. 3-D Art. Curriculum centers on the textile/fiber arts and projects in other craft media. Additional project hours outside classroom time are required.

Advanced 3-Dimensional Art (#1552) **Grades: 9-12**

Recommendation: "A" in Intermediate 3-Dimensional Art and instructor approval.

This class is for the serious 3-D art student who is highly motivated and interested in working on both classroom and independent assignments in various 3-D media.

Digital Photography[^] (#1628) **Grades: 9-12**

This is an introductory course in which students will learn how to produce, edit, and evaluate quality photographs. Students will learn to operate digital cameras and control shutter speed, aperture, ISO, and focal length to achieve desired effects. Students will learn to alter images digitally to improve color balance, contrast, saturation, and areas over/under-exposed. Students will develop a portfolio as they work in a range of genres. Regular critiques help students evaluate their own work and the work of peers and professionals. Students are encouraged to use their own cameras for highest relevance (temporary loaners may be available). Course may be repeated for credit.

Introduction to Multimedia Productions (#1635) _____ Grades: 9-12

Note: Priority will be given to 9th and 10th graders who intend to complete one of the 3-year Digital Media Pathways. See page 14 for information regarding the three pathway options.

This introductory course will expose students to a range of digital media and the careers that utilize digital media. It is the initial course in the Digital Media Pathways. The course curriculum will be divided into four areas of emphasis: digital image and video production, digital sound and lighting production, game design, and communicating with digital images and video.

Intermediate Film/Video Production^ (#7129) _____ Grades: 10-12

Recommendation: Introduction to Multimedia Productions

This course will cover the history and development of cinema, documentaries, and new media and film technologies. Students will learn the skills and practices in various aspects of cinema and video production, including pre-production, cinematography, screenwriting, editing, lighting, and sound design using industry standard equipment and software.

Intermediate Broadcast Production (#1637) _____ Grades: 10-12

Recommendation: Introduction to Multimedia Productions and instructor approval (Ms. Palmer)

Through hands-on studio experience, this course will provide students with skills and competencies in broadcast media, including television, webcasting/streaming, and emerging broadcast technologies. Students will become familiar with current and emerging technology and practices and the variety of career opportunities that present themselves in live broadcasting. *Whitney High School Live* is a daily live TV show about our students and their interests produced by this class.

Introduction to Game Design (#1640) 1st Semester _____ Grades: 10-12

This course introduces students to the rapidly developing field of Game Design and Production. They will explore current technologies, media and art applications, and emerging technological advances that impact this ever expanding field. They will combine foundations in design, animation, graphic imaging, and multimedia production to prepare for employment, advanced training, or higher education in project or software design. Students who request this course must also take Intermediate Game Design. These courses also serve as one year of a “concentrator” course for the Digital Media Pathway. **Note: This course is designated as a “G”-College Prep Elective for UC/CSU admissions.**

Intermediate Game Design (#1641) 2nd Semester _____ Grades: 10-12

This course refines skills, and expands student knowledge in current technologies, media and art applications, and emerging technological advances the impact this expanding field. Students will refine skills in design, animation, graphic imaging, and multimedia production to prepare for employment, advanced training, or higher education in project or software design. Students will explore other industry applications, including mobile application design and technology. Students who request this course must also take Introduction to Game Design. These courses also serve as one year of a “concentrator” course for the Digital Media Pathway. **Note: This course is designated as a “G”-College Prep Elective for UC/CSU admissions.**

Advanced Cinema/Film/Video Production^ (#1636) Grades: 11-12

Recommendation: Intermediate Film/Video Production

This is a capstone course in the Digital Media Pathway (Film/Video Option). This course will examine specific uses of film and video technology in various entertainment and industry sectors. Students will receive advanced training in pre-production, production, and post-production jobs and competencies, current and emerging technologies, and the collaborative nature of the creative process involved in video production. **Note: This course is designated as a “G”-College Prep Elective for UC/CSU admissions.**

Advanced Arts Management (#1690) Grades: 11-12

Recommendation: Intermediate Broadcast Production and instructor approval (Ms. Palmer)

This is a capstone course in the Digital Media Pathway (Broadcast Option). Building on the skills acquired in Intermediate Broadcast Production, students will take on more advanced roles and leadership positions in the production of *Whitney High School Live*.

Advanced Game Design Honors (#1642) Grades: 11-12

This course will prepare students for entry level careers or continuing education in a particular area of game design. Students will use advanced skills to create collaborative projects, evaluate peer designs, and create a design portfolio and career plan.

Band/Advanced (#1962) Grades: 7-8

Recommendation: Band/Beginning or Intermediate or Instructor approval

Students are introduced to various techniques including articulation, tone production, ensemble techniques and musical interpretation. These techniques are taught through scales, methods studies and band literature. This group is required to perform at various concerts throughout the year.

Concert Choir (#1707) Grades: 8-12

This course is designed for the music student with little or no singing experience. Ensemble may include a cappella and symphonic works from all periods. Students involved in the Whitney Concert Choir will have the opportunity to study and perform high quality choral literature. The ensemble works to the highest standards of choral excellence and performs a variety of choral music from all style periods. This group is required to perform at concerts throughout the year.

Concert Band (#1959) Grades: 7-8

This course is designed for the music student with little or no musical experience. Emphasis is placed on tone production and ensemble techniques taught through method books and concert literature. This group is required to play at concerts throughout the year.

String Orchestra (#1964 = Middle School) (#1723 = High School) Grades: 7-12

This group is a major performing ensemble. This course is open to all students who already play cello, string bass, viola, and violin and students who are interested in learning these instruments. Emphasis is placed on mastery of individual and ensemble performance techniques. These techniques are taught through presentation of appropriate high school and college level music. Performance in evening performances is required. Course may be repeated for credit (see Counselor/Student Advisor).

Symphonic Band (#1688) **Grades: 9-12**

Recommendation: Instructor approval.

This group is a major performing ensemble. Emphasis is placed on mastery of individual and ensemble performance techniques such as: articulation, reading of time and key signatures, intonation, and musical interpretation. These techniques are taught through presentation of appropriate high school and college level music. Course may be repeated for credit.

Theater Lab (#1651) **Grades: 8-12**

Students utilize their creative imaginations to express themselves confidently in front of an audience through the use of improvisations, cold readings, monologues, scene study and play production. They learn to develop a character through various acting techniques, and will be expected to evaluate their own performance as well as constructively critiquing their classmates' work. The students also gain a general understanding of other areas of play production such as directing, set and lighting design, costume and make-up design, and playwriting through observation and analysis of live and taped productions. Grades are based on class participation and performance as well as written work.

Theater Lab II (#1649) **Grades: 9-12**

Recommendation: Theatre Lab or instructor approval.

Students continue to develop skills learned in Theatre Lab with increased emphasis on character development and greater understanding of dramatic literature. Additional assignments include an oral report on a playwright and a written character analysis. Students are also responsible for directing students in a one-act play. Grades are based on class participation, performance, and written work.

Theater Lab III (#1648) **Grades: 10-12**

Recommendation: Theatre Lab II or instructor approval.

Students in their third year of study continue to develop performing skills through an in-depth study of different acting techniques. They are also required to participate in school productions either as a director, performer, or stage manager. This is a commitment of approximately 100 hours of work in addition to completing all class assignments.

Stagecraft and Design (#1652) **Grades: 9-12**

Students will construct sets and props for all major school productions. They will be trained in set design and construction, theater lighting, sound programming, and operation. They will learn the basics of costuming and make-up techniques. Participation and the ability to independently are essential to this course. Attendance at some school rehearsals and performances is required.

7th Grade Elective Course: The Exploratory Wheel

This is a one-year course with four different areas of study which students rotate quarterly. Each segment will also include a technology component. The areas of study are as follows:

Arts/Crafts (#2655)

Arts/Crafts is a study of basic design concepts fundamental in the visual arts. Students explore two-dimensional and three-dimensional art techniques. Various materials, such as graphite, charcoal, pastel, paper collage, wire, and watercolor will be used. Spatial concepts, materials, and diverse approaches to visual order are studied through assigned projects, lectures and critiques.

Keys to Middle & High School Success (#2656)

Keys to Middle and High School Success is a course that establishes a strong foundation for Whitney High School's 6-year program. Students will gain an understanding of middle and high school culture, learn how to utilize resources, support the development of interpersonal relationships, and focus on real-world applications as growing adults. Students will be guided through effective note-taking techniques, enhance study and test-taking strategies, and develop practical organizational skills for academic and personal success.

Drama (Theatrical Arts and Public Speaking) (#2654)

Drama develops basic performance skills through the use of scene study and improvisation. A general understanding and appreciation of all aspects of theater is taught through observation and analysis of live productions. Grades are based on class participation, performance, and written work. This class also strengthens public speaking skills which will be an important skill to hone moving forward in one's academic career.

Global Learning ^ (#2657)

Global Learning focuses on analyzing the relationship between human beings around the world and the processes of communication as it relates to technology, languages other than English, and other media. Students will explore social, gender, and cultural dimensions and its implications of communication on a global level through problem solving, collaboration, and analysis.

Other Course Numbers

Teacher Aide (#9998)

Grades: 9-12

Recommendation: Office approval

Students must possess subject level knowledge and skills for the course or department. Applied learning, work-related performance, and attendance determine the grade. Students must be dependable, efficient, and work cooperatively with adults and students.

Office Aide (#5030)

Grades: 9-12

Recommendation: Office approval

Requires interpersonal skills and a basic knowledge of organizations. Students apply and expand their verbal, organizational, and problem solving skills to a wide variety of projects. Students must have good attendance, citizenship, and works well with the public.

No First Period (#0016)

Grades: 9-12

Students who do not want to have a first period class need to use this number to hold that period open. This will show initially in schedule as “Conference,” but will be removed when schedule is finalized in September.

Athletic Clearance (#6125)

Grades: 9-12

Students who have signed up for Athletics but have not yet been cleared to play or practice due to incomplete Athletics Clearance paperwork will be removed from their requested sports and placed in this course. These students will have a limited amount of time to complete the documentation before they are removed from 7th period Athletics and rescheduled to a class.

Notes for Pre-Registration

For the purposes of scheduling for 2019-2020, the following new classes will have a temporary course number placeholder until a permanent course number is assigned. Students and parents should not be concerned with the corresponding placeholder title that may appear on a student’s requested schedule of classes on Aeries. As soon as the permanent course number becomes available, the corresponding correct course title will appear on the student’s schedule of classes.

Registered For	Temporary Course Number Placeholder	Placeholder Title
Advanced Arts Management	1690	Fine Art Requirement
Accelerated Math I Plus Honors	4585	Math Requirement
Science and Engineering Practicum	7649	Integrated Science