

Bellarmino-Jefferson High School



Curriculum Handbook 2015 - 2016

BELLARMINE-JEFFERSON HIGH SCHOOL

REGISTRATION INSTRUCTIONS

This guide is intended to provide the information necessary to allow a student to register successfully for the next school year. Study the booklet carefully (especially graduation requirements and college entrance requirements) before making course selections. *Consultation with your parents is strongly encouraged.* Be prepared ahead of time so that when you meet with your counselor, you can complete your course requests prior to registration. The non-refundable re-registration fee is \$650.00 until March 31, 2015. After that date it will increase to \$700.00.

READ THE FOUR SECTIONS PRESENTED HERE.

KNOW THE PROCEDURES FOR PRE-REGISTRATION

Devote time and thought to the selection of courses. Discuss your plans with your parents and counselor. *Choices made during registration should be considered final for the school year, because teacher assignments and the Master Schedule of classes are based on this information.*

Consider your summer school plans in making your selections. Do not sign up for any course you plan to take in summer school. Failure to complete summer school plans should be reported to the counselor.

- A. Fill in the Blue Course Request Form** with your course selections (*use pencil*).
 - All students must register for six, two-semester classes and two, one semester Guard Block classes. If you sign up for a course that is one-semester in length then you must sign up for a second one-semester class. Select two alternate elective courses in case your first choices cannot be met.
 - Be careful to take courses in the correct sequence. Check the course section in this handbook to confirm class length and prerequisites. Prerequisites must be met before you are admitted to a class.
- B. You will meet with your Counselor** to review your choices and receive your official, signed Course Request Form (3-part form to be returned with re-registration materials).
- C. Have your parent sign your official Course Request Form** on the appropriate line. Your program will not be processed without a parent signature.
- D. TO COMPLETE YOUR REGISTRATION YOU MUST TURN IN THE FOLLOWING:**
 - Re-Registration fee of \$650.00 (until March 31); beginning on April 1, it will increase to \$700.00.
 - Signed Tuition and Fees Contract
 - Emergency Information (return both copies)
 - White and Yellow copies of 3-part Course Request Form signed by both your counselor and parents or guardians (after meeting with your counselor). Keep the PINK copy.

RE-REGISTRATION WILL NOT BE ACCEPTED
WITHOUT ALL OF THE ABOVE COMPLETED
DOCUMENTS

ACADEMICS AND GRADUATION CREDIT REQUIREMENTS

Subject Area	Class of 2016	Class of 2017	Class of 2018	Class of 2019
Computer Literacy	5 (satisfied with the proficiency exam)	Required (integrated throughout the curriculum)	Required (integrated throughout the curriculum)	Required (integrated throughout the curriculum)
English	40	40	40	40
Health	Required (integrated with PE)	Required (integrated with PE)	Required (integrated with Biology)	Required (integrated with Biology)
Math	30	30	30	30
Physical Education	10	10	10 (4 semesters of Guard Block PE, or 2 Sports)	10 (4 semesters of Guard Block PE, or 2 Sports)
Science	20 (30 recommended)	20 (30 recommended)	20 (30 recommended)	20 (30 recommended)
Social Studies	30 (to include 10 credits of US History, 5 credits of Gov. and 5 credits of Econ.)	30 (to include 10 credits of US History, 5 credits of Gov. and 5 credits of Econ.)	30 (to include 10 credits of US History, 5 credits of Gov. and 5 credits of Econ.)	30 (to include 10 credits of US History, 5 credits of Gov. and 5 credits of Econ.)
Theology	40 (and 80 hours of Christian Service)	40 (and 80 hours of Christian Service)	40 (and 80 hours of Christian Service)	40 (and 80 hours of Christian Service)
Visual and Performing Arts	10	10	10	10
World Language	20 (30 recommended)	20 (30 recommended)	20 (30 recommended)	20 (30 recommended)
Electives	30	30	30	30
Guard Block Electives	10	15	20	20
TOTAL	240	245	250	250

- Successful completion of each Semester Course is worth 5 credits.
- Guard Block Electives: students are required to enroll in a Guard Block elective each semester. Each semester-long Guard Block elective is worth 2.5 units. Transfer students are only accountable for Guard Block units while in attendance at Bell-Jeff.
- Theology requirement for transfer students: Students transferring from a non-Catholic High School only need to complete Theology units while in attendance at Bell-Jeff.
- International Students may opt out of the World Language requirement by taking the SAT II subject test in their Target Language.
- Christian Service Hour Requirement: Christian service hours are part of the Theology Curriculum and are required for graduation. 80 hours are required for graduation. Students are expected to complete at least 5 hours per quarter. Students who transfer to Bell-Jeff from a non-Catholic high school must complete at least 20 hours for each year they attend.
- Physical Education: beginning with the class of 2018 physical education credit can be earned in three ways:
 - Students can play two sports. Participation can be at any level, any season, and during any academic year, but needs to be for the entire season and from two different sports.
 - Students can take four semesters of Physical Education offered during Guard Block.
 - Students can play one sport AND take two semesters of Physical Education offered during Guard Block.

GRADE LEVEL COURSE REQUIREMENTS

GRADE LEVEL COURSE REQUIREMENTS CLASSES OF 2016 AND 2017

<i>9TH GRADE</i>	<i>10TH GRADE</i>	<i>11TH GRADE</i>	<i>12TH GRADE</i>
Theology	Theology	Theology	Theology
English	English	English	English
Math	World History	US History	Government / Economics
World Languages	Math	Math	Math or Elective
Visual and Perf. Arts	Science	Science	Science or Elective
PE and Health	World Languages	World Lang. or Elective	World Lang. or Elective
Guard Block Elective	Guard Block Elective	Guard Block Elective	Guard Block Elective

GRADE LEVEL COURSE REQUIREMENTS CLASS OF 2018 AND 2019

<i>9TH GRADE</i>	<i>10TH GRADE</i>	<i>11TH GRADE</i>	<i>12TH GRADE</i>
Theology	Theology	Theology	Theology
English	English	English	English
Visual and Perf. Arts	World/AP Euro History	US/AP US History	Government / Economics
Math	Math	Math	Math or Elective
Science (w/ Health)	Science	Science or Elective	Elective
World Language	World Language	World Lang. or Elective	World Lang. or Elective
PE/Guard Block Elective	PE/Guard Block Elective	PE/Guard Block Elective	PE/Guard Block Elective

CHRISTIAN SERVICE POLICY

Christian Service Hours are part of the Theology curriculum and are required for graduation.

Requirements for the 2015-2016 School Year

1. 80 hours are required for graduation.
2. Students are expected to complete at least 5 hours per quarter.
3. A school-wide date is scheduled each quarter to report service hours and turn in verification and reflection papers.
4. Students who transfer to BJHS must complete at least 20 hours for each year they attend.

ELECTIVE COURSE SELECTIONS – 2015-2016

* Semester Course

◇ UC Approved

Mathematics

- 4184 Pre-Calculus Honors ◇
- 4185 Pre-Calculus ◇
- 4190 AP Calculus AB ◇

Science

- 4222 Physics Honors ◇
- 4223 Physiology ◇
- 4217 AP Chemistry ◇

Social Studies

- 6128 AP Psychology ◇
- 6129 AP Microeconomics *◇

World Language

- 3111 Spanish III ◇
- 3116 Spanish III Honors ◇
- 3121 AP Spanish Language ◇

Technology

- 7100 Computer Science Applications *
- 7119 Advanced Information Systems *
- 7123 Video Editing / Web Site Design *
- 7124 Computer Game Development *

Visual & Performing Arts

- 5085 Art I ◇
- 5112 Advanced Art *◇
- 5145 Three Dimensional Art *◇
- 5146 Graphic Design *◇
- 5510 Photography *◇
- 5060 Chorus ◇
- 5064 Music Comp. & Instrumental Music *

GUARD BLOCK ELECTIVE CHOICES 2015-2016

(Period 7 / Monday-Thursday / 2:00 to 2:40 pm)

Please see Page 25 for complete course descriptions.

BELL-JEFF ACTIVITIES

- 9116 Academic Decathlon
- 2225 Campus Ministry
- 5062 Chorus Rehearsal
- 9008 Student Leadership
- 5142 Yearbook
- 5086 Music Ministry

STEM* ACTIVITIES

- 9201 Design & Discovery
- 9202 Gardening/Sustainable Living
- 9203 SAT Prep: Math Reasoning
- 9204 Mobile App Development
- 9205 Robotics
- 9206 Technology Literacy
- 8506 Intro to Athletic Training/Sports Medicine

* Science, Technology, Engineering, Math

PHYSICAL EDUCATION

- 8501 Ballroom Dancing
- 8502 Gym Sports
- 8503 Salsa y Merengue
- 8504 Strength Training
- 8505 Walking for Fitness

COLLEGE AND UNIVERSITY REQUIREMENTS

UNIVERSITY OF CALIFORNIA AND CALIFORNIA STATE UNIVERSITY FRESHMAN ADMISSIONS REQUIREMENTS

To be admitted to a campus of the University of California or California State University as a freshman, you must meet the requirements of admission:

1. SUBJECT REQUIREMENT

University of California & California State University - To satisfy the Subject Requirement, you must successfully complete a specified pattern of high school courses known as the "**a-g pattern**". Only courses which appear on a list approved by the University of California will satisfy "**a-g**" requirements. *The chart on the next page lists "a-g" subject requirements.* UC approved courses offered at BJHS are listed on pps 6 and 7. Your counselor has a copy of the list and can help in selecting your courses.

2. SCHOLARSHIP REQUIREMENT

University of California & California State University - The grades you earn in the "**a-g**" subjects are the only grades used to calculate your grade point average for admission. If you take more than the minimum courses required in the "**a-g**" subjects, only your highest grades will be used to calculate your GPA. You must earn at least a "C" grade each semester of each "**a-g**" course. If you earn a "D" or lower, or if you repeat a course, special rules apply. For additional information on low grades or repeated courses, consult your counselor.

GPA ELIGIBILITY

University of California -- The UC Academic Senate's Board of Admissions and Relations with Schools (BOARS) has recommended that, pending future research on the predictive validity of the different exams, the three components of the SAT Reasoning test and the two additional SAT Subject Tests may be weighted. UC will use a concordance table to equate the SAT Reasoning test with the ACT Assessment plus the ACT Writing Test.

California State University - **First** time freshmen admission is governed by eligibility index. The index is computed on the basis of the high school grade point average on all course work completed after the 9th grade (not counting physical education and military science), and the ACT composite or the SAT Reasoning total score (*see Examination Requirement section*). A table of grade point averages, and corresponding test score equation used to compute the index is available from your counselor.

3. EXAMINATION REQUIREMENT

Students who plan to enter a four-year college directly from high school are required to take the Scholastic Aptitude Test (SAT Reasoning) or the American College Test (ACT).

University of California - Every applicant must submit scores from the standardized college entrance examinations described below. Applicants for the Fall Quarter should take these tests no later than December of the senior year in high school. Failure to take these tests or to have your scores reported directly to the Admissions Office might delay or even deny your admission to the University. The verbal, mathematics and writing scores of the SAT Reasoning must be from the same sitting. The composite score on the ACT is the score used. *UC applicants are also encouraged to take TWO SAT Subject Tests in two different subject areas.*

California State University - All applicants, even those with a GPA of 3.0 or above, should submit scores from the standardized college entrance examinations. Verbal and Mathematics scores used in determining admissions do not have to be from the same sitting. The composite score on the ACT is used.

SUBJECT REQUIREMENTS	UC UNIVERSITY OF CALIFORNIA	CSU CALIFORNIA STATE UNIVERSITY
"a-g" Requirements	UC requires completion of the 15 year-long high school courses listed below. At least seven of the 15 year-long courses must be taken in your last two years of high school	The CSU requires a 15-unit pattern of courses for admission as a freshman. Each unit is equal to one year of study in a subject area. A grade of C or higher is required for each course
a History/Social Science <i>Two Years Required</i>	Two years of history/social science, including one year of world history, cultures and geography; and one year of U.S. history or one-half year of U.S. history and one-half year of civics or U.S. government	To include one year of U.S. history or one semester of U.S. history and one semester of civics or American government and one year of social science
b English <i>Four Years Required</i>	Four years of college-preparatory English that include frequent and regular writing, and reading of classic and modern literature	Four years of college preparatory English composition and literature
c Mathematics <i>Three Years Required</i> <i>Four Years Recommended</i>	Three years of college-prep mathematics including Algebra I and II, and Geometry. Approved integrated math courses may be used for part or this entire requirement	Three years of college-prep mathematics including Algebra I, Geometry, Algebra II, or higher mathematics
d Laboratory Science <i>Two Years Required</i> <i>Three Years Recommended</i>	Two years of laboratory science in two of the three core disciplines: biology, chemistry and physics	Two years of laboratory science to include one biological science and one physical science
e Language Other than English <i>Two Years Required</i> <i>Three Years Recommended</i>	Two years of the same language emphasizing speaking and understanding, grammar, vocabulary, reading, composition and culture	Two years of the same language
f Visual & Performing Arts <i>One Year Required</i>	A year-of an approved arts course from a single discipline: dance, drama/theater, music or visual art	Dance, drama or theater, music, or visual art
g College Preparatory Electives <i>One Year Required</i>	One year (two semesters), in addition to those required in "a-f" above, chosen from the following areas: visual & performing arts, history, social science, English, advanced math, laboratory science and language other than English (a third year in the language used for the "e" requirement or two years of another language)	One more year of any college preparatory subject

4. EXTRA GRADE POINTS - HONORS & ADVANCED PLACEMENT

University of California - Extra grade points may be awarded for up to four units of approved study in Honors and AP level courses. The courses must be taken in the last three years of high school in English, History, Advance Mathematics, Laboratory Science, or Foreign Language. No more than two units of certified Honors level courses taken in the tenth grade may be given extra points. The grading scale for these courses will be: A = 5, B = 4, C = 3 (1985).

California State University - Grades in Honors or AP courses or courses taken at a college during the last two years of high school will receive additional point average calculations for CSU admission. Grades in approved Honors courses will receive 5 points for each semester of "A", 4 points for "B", 3 points for "C" and 1 point for "D".

INDEPENDENT COLLEGES AND UNIVERSITIES

There are a number of excellent private colleges and universities in the U.S., many in California. Each has its own admission standards. Generally, they prefer students with very solid college preparatory high school courses and require standardized college entrance examination scores. See catalogs in the library or on-line.

COMMUNITY COLLEGES

Community colleges are open to any student over the age of 18, or with a valid high school diploma. Many have Honors programs, which have more selective requirements. It is recommended that students contact individual schools for details and availability of courses. Check course catalogs in the library or on-line.

Bellarmine-Jefferson High School

UC Approved Courses

★ Courses that have been approved for extra honors credit

◇ Denotes courses that cannot be used to fulfill the "g" elective requirement.

a - History / Social Science - 2 years required			
Two years of history/social science, including one year of World History, Cultures or Geography; and one year of US History or one-half year of US History and one-half year of American Government/Civics.			
Course Title	Category	Honors/AP	Course Notes
6132 World Geography	World History / Geography / Cultures		Semester
6108 World History Honors ★	World History / Geography / Cultures		
6109 AP European History	World History / Geography / Cultures		
6112 AP US History ★	U.S. History	AP	
6111 US History	U.S. History		
6122 US Government Honors ★	American Government / Civics	H	Semester
6121 US Government	American Government / Civics		Semester
6132 World Geography	World History / Geography / Cultures		Semester
6108 World History Honors ★	World History / Geography / Cultures		
b - English - 4 years required			
Four years of college preparatory English.			
Course Title	Category	Honors/AP	Course Notes
1096 English 9 Honors★	English		
1091 English 9	English		
1106 English 10 Honors★	English		
1101 English 10	English		
1114 English 11 Honors ★	English	H	
1111 English 11	English		
1121 AP English Literature & Composition ★	English	AP	
1122 English 12	English		
c - Mathematics - 3 years required, 4 years recommended			
Three years of college preparatory mathematics that includes the topics covered in Elementary Algebra/Algebra 1, Geometry and Advanced Algebra/Algebra 2. Approved Integrated Math courses may be used to fulfill part or this entire requirement.			
Course Title	Category	Honors/AP	Course Notes
4192 Algebra I ◇	Algebra 1		
4196 Algebra I Honors ★	Algebra 1		
4110 Algebra II ◇	Algebra 2		
4111 Algebra II/Trig Honors ◇★	Algebra 2		
4106 Geometry Honors ◇★	Geometry		
4101 Geometry ◇	Geometry		
4190 AP Calculus AB ★	Advanced Mathematics	AP	
4184 Pre-Calculus Honors ★	Advanced Mathematics	H	
4185 Pre-Calculus	Advanced Mathematics		
d - Laboratory Science - 2 years required, 3 years recommended			
Two years of laboratory science, including two of the three fundamental disciplines of Biology, Chemistry and Physics. This requirement can also be met by completing the latter two years of a 3-year Integrated Science program.			
Course Title	Category	Honors/AP	Course Notes
4213 Biology Honors★	Biological Science		
4212 Biology	Biological Science		
4217 AP Chemistry ★	Chemistry	AP	
4214 Chemistry	Chemistry		
4222 Physics Honors ★	Physics	H	
4223 Physiology	Biological Science		
e - Language Other than English - 2 years required, 3 years recommended			
Two years of the same language other than English.			
Course Title	Category	Honors/AP	Course Notes
3092 French I ◇	LOTE Year 1		
3102 French II	LOTE Year 2		
3115 French III Honors ★	LOTE Year 3	H	
3091 Spanish I ◇	LOTE Year 1		
3100 Spanish II Honors ★	LOTE Year 2		
3101 Spanish II	LOTE Year 2		
3111 Spanish III Honors ★	LOTE Year 3	H	
3116 Spanish III	LOTE Year 3		
3121 AP Spanish Language ★	LOTE Year 4+	AP	

f - Visual & Performing Arts - 1 year required			
Course Title	Category	Honors/AP	Course Notes
5065 Acting I ♦	Theater Arts (Intro)		
5112 Advanced Art	Visual Arts (Advanced)		
5085 Art I ♦	Visual Arts (Intro)		
5060 Chorus I ♦	Music (Intro)		
5061 Chorus II	Music (Advanced)		
5145 Three-D Art ♦	Visual Arts (Intro)		

g - Elective - 1 year required			
One year (two semesters), in addition to those required in "a-f" above. All courses must be listed under "a-f" above with the exception of courses marked with a diamond (♦) in Mathematics, Language Other than English, and VPA; plus the following:			
Course Title	Category	Honors/AP	Course Notes
2121 Comparative World Religions	History / Social Science		Semester
6129 AP Microeconomics	History / Social Science	AP	Semester
6123 Economics	History / Social Science		Semester
6128 AP Psychology ★	History / Social Science	AP	Year
5146 Graphic Design	Visual & Performing Arts		Semester
5510 Photography 1	Visual & Performing Arts		Semester

COURSE NAMES AND DESCRIPTIONS

Courses designated AP are Advanced Placement courses.

<u>Academic Department</u>	<u>Page</u>
English	10
Mathematics	12
Practical Arts.....	14
Science	15
Social Studies.....	17
Theology	19
Visual & Performing Arts.....	20
World Languages	22
Guard Block Electives	24

ENGLISH DEPARTMENT

Minimum of 40 Credits Required for Graduation.

1091 ENGLISH 9	(UC Approved)	One Year
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This course focuses on development of writing skills (including grammar), introduction to literature, speech and vocabulary. Using the grammar and composition 9 writing program, the student will study sentence building skills and basic organizational patterns in preparation for writing paragraphs, essays, and literature papers. Representative literature consisting of readings from fiction, non-fiction, poetry and drama will be chosen in order to expose the student to a variety of literature. Vocabulary study prepares students for NEDT, PSAT, and SAT exams.

RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Student. Placement determined by High School Placement Test score and incoming grades*

1096 ENGLISH 9 HONORS	(UC Approved)	One Year
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In addition to the course material covered in English 9 CP, Honors students will read three to four supplementary novels in preparation for more advanced literature study. Students will write additional papers, and adhere to higher proficiency standards.

RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Student with special aptitude in literature and writing. Placement determined by High School Placement Test score and incoming grades. Student must maintain a grade of "B" or above at both semester grading periods to remain in Honors English*

1101 ENGLISH 10	(UC Approved)	One Year
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The content and goals of this course are geared exclusively to the college preparatory student. The students receive instruction enabling them to develop reading skills necessary for advanced studies, to provide an understanding of major genres in literature, to develop the analytical skills for each respective genre, and to improve writing skills.

PREREQUISITE..... *"C" or better in English 9.*

RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Students*

1106 ENGLISH 10 HONORS	(UC Approved)	One Year
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In addition to the course material covered in English 10, English 10 Honors students will cover course material at a more rapid pace and will require more intensive analysis, both in written and oral formats.

PREREQUISITE..... *"B" or better in English 9 Honors or an "A" in English 9*

RECOMMENDATION FOR ENROLLMENT..... *Honors Students*

1111 ENGLISH 11	(UC Approved)	One Year
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This course will trace the evolution of American literature from Native American voices to contemporary American authors. Concentration is on building language skills, vocabulary and reading comprehension.

PREREQUISITE..... *"C" or better in English 10*

RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Students*

1114 ENGLISH 11 HONORS	(UC Approved)	One Year
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In addition to the course material covered in English 11, the English 11 Honors course requires extensive outside reading of novels. It helps students prepare for the SAT and is designed as a preparation for the senior Advanced Placement course.

PREREQUISITE..... *"B" or better in English 10 Honors or an "A" in English 10 along with teacher approval*

CO-REQUISITE..... *US History AP*

RECOMMENDATION FOR ENROLLMENT..... *Honors Students*

1122 ENGLISH 12

(UC Approved)

One Year

This course focuses on preparing the student for college level literature courses through chronological survey of British literature. Emphasis is on reading, writing and understanding the various aspects of literature.

PREREQUISITE..... "C" or better in English 11

RECOMMENDATION FOR ENROLLMENT..... College Preparatory Students

1121 AP ENGLISH LIT & COMP

(UC Approved)

One Year

This course will chronologically trace the evolution of British literature with selected readings, from Beowulf to contemporary literature, through the historical, social and cultural influences, which molded its development. Advanced composition and analysis is stressed in anticipation of the Advanced Placement Exam scheduled each spring.

PREREQUISITE..... "B" or better in English 11 Honors, with the discretion of the instructor.

RECOMMENDATION FOR ENROLLMENT..... Honors Students

MATHEMATICS DEPARTMENT

Minimum of 30 Credits Required for Graduation.

4192 ALGEBRA I	(UC Approved)	One Year
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This course in elementary algebra presents the properties and structure of the real number system. The course is aimed toward developing those skills necessary for more complex courses.

TYPE OF COURSE..... Satisfies graduation and UC 1st year Math requirement
RECOMMENDATION FOR ENROLLMENT..... Placement determined by High School Placement Test score and incoming grades

4196 ALGEBRA I HONORS	(UC Approved)	One Year
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This course explores the fundamentals of algebra. Recommended for students who are above average in mathematics and who wish to pursue future Honors courses in mathematics.

TYPE OF COURSE..... Satisfies graduation and UC 1st year Math requirement
RECOMMENDATION FOR ENROLLMENT..... Placement determined by High School Placement Test score and incoming grades

4110 ALGEBRA II	(UC Approved)	One Year
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This one-year course is an overview and extension of concepts learned in Algebra I. The course develops the concepts of Quadratic Relations and Applications, Exponential and Logarithmic functions, Series and Sequences, Matrices, and Probability.

PREREQUISITE..... "C" or better in Algebra I and Geometry
TYPE OF COURSE..... Satisfies graduation and UC 3rd year Math requirement.
RECOMMENDATION FOR ENROLLMENT..... College Preparatory Students

4111 ALGEBRA II/TRIGONOMETRY HONORS	(UC Approved)	One Year
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This one-year course begins as an overview and extension of concepts learned in Algebra I. The course develops the concepts of Quadratic Relations and Applications, Exponential and Logarithmic functions, Series and Sequences, Matrices and Probability. The second semester is devoted entirely to the study of trigonometry, which includes Trigonometric Functions and Applications, Vectors and Graphs of Trigonometric Functions and Trigonometric Identities and Equations.

PREREQUISITE..... "B" or better in Geometry Honors or an "A" in Geometry
TYPE OF COURSE..... Satisfies graduation and UC 3rd year Math requirement
RECOMMENDATION FOR ENROLLMENT..... College Preparatory Students and Honors Students

4101 GEOMETRY	(UC Approved)	One Year
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This course utilizes the modern approach to study of the point and line in relation to the plane and space; traditional theorems and constructions; and introduction of coordinate geometry. Set theory language is used.

PREREQUISITE..... "C" or better in Algebra I
TYPE OF COURSE..... Satisfies graduation and UC 2nd year Math requirement.
RECOMMENDATION FOR ENROLLMENT..... College Preparatory Students

4106 GEOMETRY HONORS (UC Approved) One Year

This course is an enhancement to course material covered in Geometry, challenging students with exceptional ability, requiring commitment along with additional course work, problem solving and practice.

PREREQUISITE..... "A" in Algebra I or "B" or better in Algebra I Honors

TYPE OF COURSE..... Satisfies graduation and UC 2nd year Math requirement

RECOMMENDATION FOR ENROLLMENT..... College Preparatory and Honors Students

4185 PRE CALCULUS (UC Approved) One Year

This one year course is for students who are preparing for further study of Mathematics beyond Algebra II. Topics include Linear Relations, the nature of graphs, trigonometry, exponential and logarithmic functions.

PREREQUISITE..... "C" or better in Algebra II

TYPE OF COURSE..... Satisfies graduation requirement & UC Math recommendation.

RECOMMENDATION FOR ENROLLMENT..... College Preparatory Students

4184 PRE CALCULUS HONORS (UC Approved) One Year

This one year course is for students who have previously studied trigonometry and is designed as a pre-calculus course for the student who is preparing for a rigorous course in calculus.

PREREQUISITE..... "B" or better in Algebra II/Trig Honors or "A" in Algebra II

TYPE OF COURSE..... Satisfies graduation requirement & UC Math recommendation.

RECOMMENDATION FOR ENROLLMENT..... Honors Students

4190 AP CALCULUS AB (UC Approved) One Year

Calculus is the analysis of problems of change and of context. It is a computational technique, and the principle quantitative language of science and technology. This course includes evaluation of limits, analysis of functions, derivatives, integration techniques, evaluation of volume of solids, Riemann's Sum and Newton's Approximation. This college level course prepares students for the Advanced Placement exam.

PREREQUISITE..... "B" or better in Pre-Calculus Honors

TYPE OF COURSE..... Satisfies graduation requirement & UC Math recommendation.

RECOMMENDATION FOR ENROLLMENT..... 11th and 12th grade Honors Students

PRACTICAL ARTS DEPARTMENT

7100 COMPUTER SCIENCE APPLICATIONS

One Semester

This course is designed to introduce students to computer applications and prepare them for the future by equipping them with technological skills to complete college work. Projects will utilize word processing, desktop publishing, spreadsheet management and slideshow presentation. Attaining success in these skills will prepare students for computer user certification at the proficiency level for these technological tools.

PREREQUISITE..... None

RECOMMENDATION FOR ENROLLMENT..... 11th and 12th grade students

7119 ADVANCED INFORMATION SYSTEMS

One Semester

This course is designed to introduce students to repairs, upgrades, maintenance and networking of today's computer systems. Students will become proficient in installation of software and hardware for the stand-alone and networked computers. Students will do on-site service and repairs to school computers and help staff and teachers with computer problems.

PREREQUISITE..... None

RECOMMENDATION FOR ENROLLMENT..... 11th and 12th grade students

7126 MULTIMEDIA AND CREATIVE TECHNOLOGIES

One Semester

This course examines mobile application design and development. Students will learn application development and topics will include memory management; user interface design; user interface building; input methods; data handling; network techniques and URL loading; and, finally, specifics such as GPS and motion sensing. Students are expected to work on a project that produces a professional-quality mobile application. Projects will be deployed in real-world applications. Course work will include project conception, design, implementation, and pilot testing of mobile phone software applications. The students will be introduced to the principles for graphic design and learn the element of movement, applying these two methods of creating animation.

PREREQUISITE..... None

RECOMMENDATION FOR ENROLLMENT..... 11th and 12th grade students

7124 COMPUTER GAME DEVELOPMENT

One Semester

This course is designed to introduce students to creation, development and design of computer games. In the process, students learn the importance of planning, logical thinking, the physics of movement (human movement, vehicle acceleration, etc.) and end-user needs. Students will be exposed to computer concepts, graphic design, artificial intelligence and software engineering.

PREREQUISITE..... None

RECOMMENDATION FOR ENROLLMENT..... 11th and 12th grade students

SCIENCE DEPARTMENT

Minimum of 20 Credits Required for Graduation

4212 BIOLOGY (UC Approved) **One Year**

Biology is the study of all living things. During the course of study students will learn of the basic unity of life that exists among the diverse life forms on the planet. Emphasis will be placed on the primary life functions, scientific methods, taxonomic groupings and relationships. Students will study the primary life needs and functions of reproduction, homeostasis, taxonomic and evolutionary relationships, as well as ecological concepts.

PREREQUISITE..... None

TYPE OF COURSE..... Satisfies graduation and one year of UC Lab Science requirement.

RECOMMENDATION FOR ENROLLMENT..... College Preparatory Students.

4213 BIOLOGY HONORS (UC Approved) **One Year**

This one-year course is designed for advanced students. The course deals in detail with all major aspects of biology including biological chemistry, DNA coding and transfer, evolution, genetic diversity, animal and plant biology, and ecology.

PREREQUISITE..... Students enrolled in the Honors Program

TYPE OF COURSE..... Satisfies graduation and one year of UC Lab Science requirement.

RECOMMENDATION FOR ENROLLMENT..... Students enrolled in the Honors Program

4214 CHEMISTRY (UC Approved) **One Year**

This laboratory course provides an understanding of the basic principles of chemistry and emphasizes the use of mathematics to express ideas in chemistry. Subject matter includes Atomic structure and the Periodic Table, Nature of Solutions, Chemical Calculations, Acid-base Theories, Principles of Reactions, Rate of Reactions, and Nuclear Chemistry.

PREREQUISITE..... "C" or better in Biology and Algebra I.

CO-REQUISITE..... Algebra II or higher

TYPE OF COURSE..... Satisfies graduation and one year of UC Lab Science requirement.

RECOMMENDATION FOR ENROLLMENT..... College Preparatory Students.

4217 AP CHEMISTRY (UC Approved) **One Year**

This laboratory course is an in-depth study of chemistry. It is designed to provide students with the analytical skills and scientific knowledge to succeed on the Advanced Placement Test and acquire college credit.

PREREQUISITE..... Chemistry Honors in Summer Session

CO-REQUISITE..... Algebra II/Trig Honors or higher

TYPE OF COURSE..... Satisfies graduation and one year of UC Lab Science requirement.

RECOMMENDATION FOR ENROLLMENT..... Honors Students.

4222 PHYSICS HONORS (UC Approved) **One Year**

This course is for the college bound student. It provides an introduction to the main principles of physics and emphasizes the development of mathematical problem solving ability. Course includes mechanics, electricity and magnetism, kinetic theory and heat, waves and optics and modern physics.

PREREQUISITE..... "B" or better in Chemistry AP & Algebra II/Trig Honors

CO-REQUISITE..... Pre-Calculus Honors or higher

TYPE OF COURSE..... Elective satisfies graduation requirement & UC Lab Science recommendation

RECOMMENDATION FOR ENROLLMENT..... Honors Students

4223 PHYSIOLOGY**(UC Approved)****One Year**

Physiology is the biological science of the functions, activities and processes of living organisms. Students will learn about the major body and organ systems and how they function. Students will learn about the major organ and body systems and how they function pertaining to movement including sports, and the effects of alcohol and drugs.

PREREQUISITE..... *"C" or better in Biology*

TYPE OF COURSE..... *Elective satisfies graduation requirement & UC Lab Science recommendation*

RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Students*

SOCIAL STUDIES DEPARTMENT

Minimum of 30 Credits Required for Graduation

6101 WORLD HISTORY	(UC Approved)	One Year
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This course is designed to give students a broad range of knowledge about the historical and modern world. Students will study cultural, historical, political, economic, and geographical world history, with emphasis on critical-thinking and writing skills.

PREREQUISITE..... "C" or better in English 9 or English 9 Honors
TYPE OF COURSE..... Satisfies graduation & UC History/Social Science requirement
RECOMMENDATION FOR ENROLLMENT..... 10th Grade Students

6109 AP EUROPEAN HISTORY	(UC Approved)	One Year
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The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse.

In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

PREREQUISITE..... "B" or better in English 9 Honors or an "A" in English 9
TYPE OF COURSE..... Satisfies graduation & UC History/Social Science requirement
RECOMMENDATION FOR ENROLLMENT..... 10th Grade Honors Student or recommendation from 9th Grade English teacher and World Geography teacher

6111 U.S. HISTORY	(UC Approved)	One Year
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This survey course is the study of the history of the United States from colonial America to the present. It includes an overview of the origins and nature of American politics, society, economy, and geography. This course includes an examination of contemporary relations between the U.S. and the world, while emphasizing values of nationalism, patriotism, tolerance for diverse cultures, and citizenship. Writing and critical thinking skills are also emphasized.

PREREQUISITE..... "C" or better in English 10 or English 10 Honors
TYPE OF COURSE..... Satisfies graduation & UC History/Social Science requirement
RECOMMENDATION FOR ENROLLMENT..... 11th Grade College Preparatory Students

6112 AP U.S. HISTORY	(UC Approved)	One Year
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This course is an in-depth study of the history of the United States from colonial America to the present. It is designed to provide students with the analytical skills and factual knowledge necessary to deal with the problems and materials in American History in order to pass the Advanced Placement Test and gain college credit. In order to achieve this, students will be required to extensive outside reading and research

PREREQUISITE..... "B" or better in English 10 Honors and World History Honors or "A" in World History
TYPE OF COURSE..... Satisfies graduation & UC History/Social Science requirement
RECOMMENDATION FOR ENROLLMENT..... 11th Grade Honors Student or recommendation from 10th Grade English teacher and World History teacher

6121 U.S. GOVERNMENT	(UC Approved)	One Semester
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This course is intended to foster informed, responsible participation in public life. It is designed to provide students with knowledge of major ideas, protections, privileges, structures, and economic systems that affect citizens in the U.S. political system. Focus will be on a Democratic-Republican form of government, with comparison to other forms of government.

PREREQUISITE..... "C" or better in English 11 and US History
TYPE OF COURSE..... Satisfies graduation & UC History/Social Science requirement
RECOMMENDATION FOR ENROLLMENT..... 12th Grade Students

6122 U.S. GOVERNMENT HONORS (UC Approved) One Semester

This is an advanced course intended to foster informed, responsible participation in public life. It is designed to provide knowledge of the major ideas, protections, privileges, structures, and economic systems that affect citizens in the United States political system along with comparative analysis to other forms of government.

PREREQUISITE..... "B" or better in English 11 Honors and US History AP
TYPE OF COURSE..... Satisfies graduation & UC History/Social Science requirement
RECOMMENDATION FOR ENROLLMENT..... 12th Grade Honors Student or recommendation from 11th Grade English teacher and U.S. History teacher.

6129 AP MICROECONOMICS (UC Approved) One Semester

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

PREREQUISITE..... Prerequisites for this class include the following: a teacher's recommendation, above average grades in U.S History and English.
TYPE OF COURSE..... Satisfies graduation & UC History/Social Science requirement
RECOMMENDATION FOR ENROLLMENT..... 12th Grade Student

6123 ECONOMICS (UC Approved) One Semester

This course is designed to introduce the student to the United States economic system as well as economics among other nations and societies.

PREREQUISITE..... "C" or better in English 11 or English 11 Honors and US History or US History AP
TYPE OF COURSE..... Satisfies graduation & UC History/Social Science requirement
RECOMMENDATION FOR ENROLLMENT..... 12th Grade Student

6128 AP PSYCHOLOGY (UC Approved) One Semester

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.

TYPE OF COURSE..... Satisfies requirement for graduation & UC History/Social Science recommendation.
RECOMMENDATION FOR ENROLLMENT..... 11th and 12th grade students

THEOLOGY DEPARTMENT

*Minimum of 40 Credits Required for Graduation
(Please see page 3 for credit requirements for Transfer Students)*

2095 THE REVELATION OF CHRIST IN SCRIPTURE 9th Grade 1 Semester

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ.

2096 CHRISTOLOGY: WHO IS CHRIST? 9th Grade 1 Semester

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God.

2103 THE PASCHAL MYSTERY: THE MISSION OF CHRIST: 10th Grade 1 Semester

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us.

2104 ECCLESIOLOGY: CHRIST'S MISSION CONTINUES 10th Grade 1 Semester

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit.

2113 SACRAMENTS: PRIVILEGED ENCOUNTERS WITH CHRIST 11th Grade 1 Semester

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the Sacraments, and especially through the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout life.

2114 MORALITY: LIFE IN JESUS CHRIST 11th Grade 1 Semester

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

2121 COMPARATIVE WORLD RELIGIONS (UC Approved) 12th Grade 1 Semester

Comparative World Religions invites students to re-exam their personal faith and religious life in more depth. The history of religion is then presented with background on the founders, major beliefs, major branches, special practices, important festivals, rituals and major writings that have influenced religion.

2124 VOCATIONS: RESPONDING TO THE CALL OF JESUS CHRIST 12th Grade 1 Semester

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course students should learn how all vocations are similar and how they differ. The course is structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live for the benefit of others and the value in considering a vocation in service to the Christian community.

VISUAL & PERFORMING ARTS DEPARTMENT

Minimum of 10 Credits Required for Graduation.

5085	ART I	(UC Approved)	One Year
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An introductory course that builds beginning students' abilities using two-dimensional media. Exercises will explore the elements and principles of art, working with graphite, colored pencils, pastels, watercolor, tempera and acrylic.

PREREQUISITE..... None
TYPE OF COURSE..... Satisfies graduation and UC Visual/Performing Arts requirement

5112	ADVANCED ART	(UC Approved)	One Semester
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This course is devoted to furthering the development of the student's artistic ability. The elements and principles of art will be expanded upon and used as a primary tool of creative expression. Students will work on a series/body of artwork, stressing communication, observation and experimentation. The course is geared toward the serious art student who is considering art as a career choice. Upon course completion, students will have compiled a professional art portfolio.

PREREQUISITE..... "B" or better in Art I or instructor approval of independent work
TYPE OF COURSE..... Satisfies graduation requirement
RECOMMENDATION FOR ENROLLMENT..... 11th & 12th grade students

5145	THREE-DIMENSIONAL ART	(UC Approved)	One Semester
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Three-Dimensional Art provides students with the opportunity to work with art in the third dimension. Using clay as the primary vehicle of expression, students will learn various hand building techniques, surface decorations and methods for using sculpture as a form of expression and communication. Students will also create work with wire, Papier-Mache, and found objects. The elements and principles of design will be introduced in relation to form.

PREREQUISITE..... None
TYPE OF COURSE..... Satisfies graduation requirement
RECOMMENDATION FOR ENROLLMENT..... 11th & 12th grade students

5146	INTRODUCTION TO GRAPHIC DESIGN	(UC Approved)	One Semester
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This course introduces students to art which is intended to communicate information. The focus is on studying and using layout and design concepts utilized in the graphic design field. Students learn skills and production techniques and electronic imaging using scanners, digital cameras and computers.

PREREQUISITE..... Grade of "B" or better in Art I
TYPE OF COURSE..... Satisfies graduation requirement
RECOMMENDATION FOR ENROLLMENT..... 11th & 12th grade students

5562	ACTING / REHEARSAL & PERFORMANCE		One Semester
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This course involves the practical application of every aspect of technical theater, i.e. acting, stage managing, backstage operation, costumes, makeup, sound, house management. Rehearsal and performance of all productions occurs under faculty supervision and guidance. Students will participate in every aspect of technical theatre. ***Students must maintain a GPA of 2.0 or higher to participate.***

PREREQUISITE..... None
TYPE OF COURSE..... Satisfies graduation requirement

5510 PHOTOGRAPHY (UC Approved) One Semester

This course explores basic principles of photography, providing training in all phases of professional techniques. Emphasis is on camera operation, film exposure and development, photo printing and, basic lighting techniques. The course will cover theory of photographic processes and digital imaging.

PREREQUISITE..... None
TYPE OF COURSE..... Satisfies graduation requirement
RECOMMENDATION FOR ENROLLMENT..... 11th & 12th grade students

5060 CHORUS I (UC Approved) One Year

This course is designed to introduce the student to the art of singing. Students will sing both sacred and secular music while learning basic music theory and harmonization. Students will also learn vocal technique to aid in the development and strengthening of the voice. The course will expand the student's range both musically and vocally, building on basic technique and expanding on music reading skills including sight singing.

PREREQUISITE..... None
TYPE OF COURSE..... Satisfies graduation and UC Visual/Performing Arts requirement

5064 MUSIC COMPOSITION & INSTRUMENTAL MUSIC One Year

In this elective course, students will learn how to read and write their own music. Students will learn how to play an instrument and how to read music. The class would culminate in a public performance. No previous experience is required.

PREREQUISITE..... None
TYPE OF COURSE..... Satisfies graduation requirement

WORLD LANGUAGES DEPARTMENT

Minimum of 20 Credits Required for Graduation.

3091 SPANISH I	(UC Approved)	One Year
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This course is structured so that the student experiences success from the very beginning. It motivates the student to experiment and strive to reach proficiency in the language.

PREREQUISITE.....None
TYPE OF COURSE..... *Fulfills 1st year of Language required for graduation*
RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Students*

3101 SPANISH II	(UC Approved)	One Year
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This course is intended to further enhance the basic skills acquired in Spanish I. The course is designed to provide the student with immediate success in a foreign language. The students intending to go to college will have enough background to succeed in a college Spanish course.

PREREQUISITE.....*Spanish I or equivalent with a grade of "C" or better*
TYPE OF COURSE..... *Fulfills 2nd year of Language required for graduation*
RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Students*

3100 SPANISH II HONORS	(UC Approved)	One Year
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This one-year course offers the student an accelerated approach to building better Spanish skills. Students will develop writing skills, grammar proficiency, translation skills and will participate in both formal and informal presentations. Selected readings exploring different cultures and ethnic heritage will be translated and discussed in order to develop an appreciation of both the Spanish language and the Spanish speaking world.

PREREQUISITE.....*"A" in Spanish I or equivalent & "B" or better in English*
TYPE OF COURSE..... *Fulfills 2nd year of Language required for graduation*
RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Students*

3111 SPANISH III	(UC Approved)	One Year
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This course is intended to further enhance the basic skills acquired in Spanish I and Spanish II and to build upon them. The course will concentrate on building language skills and reading comprehension. This course prepares the college bound student for further study.

PREREQUISITE.....*A grade of "C" or better in Spanish II*
TYPE OF COURSE..... *Satisfies graduation requirement & UC 3rd year recommendation.*
RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Students*

3116 SPANISH III HONORS	(UC Approved)	One Year
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This course will offer the student an accelerated approach to building better Spanish skills. The course will concentrate on writing, listening and speaking. All areas of communication will be emphasized. College preparatory students will be prepared to succeed in college level Spanish.

PREREQUISITE.....*A grade of "B" or better in Spanish II Honors or "A" in Spanish II and a "B" or better in English*
TYPE OF COURSE..... *Satisfies graduation requirement & UC 3rd year recommendation.*
RECOMMENDATION FOR ENROLLMENT..... *College Preparatory Students*

3121 AP SPANISH LANGUAGE (UC Approved)

One Year

This Advanced Placement course is designed **1)** to improve basic communication skills studied in Spanish III. All areas of communication are emphasized, hearing, speaking, reading, and writing. **2)** to expose the student to selected pieces of Latin American and Spanish Literature. **3)** to expose the student to culture and history of the Spanish speaking countries. Advanced composition and analysis will be stressed in anticipation of the Advanced Placement Exam scheduled in the spring.

***PREREQUISITE**..... "B" or better in Spanish III Honors or "A" in Spanish III*

***TYPE OF COURSE**..... Satisfies graduation requirement & UC 3rd year recommendation.*

***RECOMMENDATION FOR ENROLLMENT**..... Honors/College Preparatory Students*

GUARD BLOCK ELECTIVE CHOICES

(Period 7 / Monday-Thursday / 2:00 to 2:40 pm)

BELL-JEFF ACTIVITIES

9116 ACADEMIC DECATHLON

This course is designed to instruct materials what will be covered in the Southern California Catholic Academic Decathlon competitions. Students are required to master a variety of curriculum courses such as English, essay, science, Mathematics, Economics, Art, Music, speech and interview. Students are expected to enroll in this course with the hope of attending all competitions and will be selected to represent the high school based upon classroom performance.

2225 CAMPUS MINISTRY

The goal of this course is to promote the spiritual growth through the planning and implementation of Eucharistic liturgies, prayer services, and daily prayer. Students will receive instruction on Christian formation with emphasis on evangelism, peer witnessing, retreats and service to the community.

5086 MUSIC MINISTRY

The focus of this class will be on music during liturgies (both vocal and instrumental) as well as service projects involving music.

9008 STUDENT LEADERSHIP

This course is designed for students to develop leadership skills through interaction in class and other school activities. Students will participate in a number of different areas ranging from planning dances and rallies to organizing fundraisers and spirit events.

5142 YEARBOOK

This is a course designed to develop the skills required to produce the school yearbook. Areas of study include layout, photography, artwork, writing copy, and headline/caption writing. This course also requires outside time on photographic assignments and interviews.

STEM ACTIVITIES

Science, Technology, Engineering, Math

9201 DESIGN & DISCOVERY

This class will base itself off experiencing engineering through the design of many tools we use every day. Through inquiry, students will be offered an approach to engineering through science, technology, and mathematics. The course will be centered on a group challenge to evolve current technologies and to invent new tools that can help society and our communities.

9202 GARDENING/SUSTAINABLE LIVING

Sustainable living is quickly becoming a more prominent necessity in our culture. Green technology is a field that grows in demand every day. This class provides students a place to do scientific and technological research in order to design a more sustainable school environment and garden. Topics will include greenhouse technology, farming, irrigation, watering systems, structural design, and many other topics involving one of the hottest topics in society today..

9203 SAT PREP: MATHEMATICS REASONING

This course is designed to help prepare students for the SAT I with emphasis on mathematics. Students will work through various test prep resources learning valuable knowledge and test taking skills.

9207 INTRO TO SPORTS MEDICINE / ATHLETIC TRAINING

Introduces basic concepts, skills, and practices for the athletic trainer. Includes medical aspects of athletic training, athletic therapy, modalities, strength, conditioning, rehabilitation, and diagnostic techniques.

Year-Long Course; Prerequisite: Biology - Recommendation for Enrollment: teacher (Ms. Hernandez) approval

9204 MOBILE APP DEVELOPMENT

This course examines mobile application design and development. Students will learn application development and topics will include memory management; user interface design; user interface building; input methods; data handling; network techniques and URL loading; and, finally, specifics such as GPS and motion sensing. Students are expected to work on a project that produces a professional-quality mobile application. Projects will be deployed in real-world applications. Course work will include project conception, design, implementation, and pilot testing of mobile phone software applications.

9205 ROBOTICS

Robotics uses science, math, and technology as a fun tool to explore robotics, mechanical systems, electronics, and programming. This class is primarily a lab experience which provides students with resources to design, build, and program functional robots they construct themselves.

9206 TECHNOLOGY LITERACY

First Semester: *Gaming and 3D Design*- introduce students to create, develop and design computer games and 3D design. *Digital and office technology*- introduce students to computer applications and prepare them for the future by equipping them with technological skills, using word processing, spreadsheets and slideshow presentation.

Second Semester: *Graphic and Video Editing*- students will be introduced to the principles and creation of graphic design. Focus is on studying and using Layout and Design concepts that are utilized in graphic design fields. Time will also be spent on video editing using Trimming and Assembly techniques. *Web and Social Media Page Design*: an introduction to HTML/JAVA programming language and principles of object-oriented design and programming using HTML/JAVA.

PHYSICAL EDUCATION

8501 BALLROOM DANCING

Students will learn many dances, from foxtrot to the waltz to swing, in this exciting class. This course teaches valuable skills while keeping students fit in a fun way.

8502 GYM SPORTS

This course provides students an opportunity to be exposed to and participate in a wide variety of indoor sports. Some of the sports that will be included in this course are: basketball, volleyball, indoor soccer, badminton, floor hockey, dodge ball, and more.

8503 SALSA Y MERENGUE

Learn the most basic steps of salsa, merengue, and cumbia. This class will keep students active while introducing them to Latin culture including music and dance.

8504 STRENGTH TRAINING

Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning.

8505 WALKING FOR FITNESS

This course includes daily aerobic walking/jogging/running emphasizing the development of cardiovascular fitness.