

Catalog
of
Course Offerings

2010-11



CENTRAL CATHOLIC
— HIGH SCHOOL —

A Marianist College Preparatory Institution, 1852 · San Antonio, Texas

Table of Contents

(Courses are in Bold Face Type)

Abbreviations on Course Descriptions	6	JROTC Courses	21-22
Academic Policies	2	JROTC I	
Admissions Procedure	2	JROTC II	
College Credit	5	JROTC III Honors	
Conflicts	1	JROTC IV Honors	
Computer Technology	11	Leadership Course	24
Communications Technology		Marianist Character of Our Curriculum	6
Intermediate Web Design		Marianist Honors Diploma	2
Course Selections	3	Mathematics Courses	14-16
Credits and Course Loads	2	Algebra I	
Dropped Courses	3	Algebra I Honors	
Engineering Courses	19	Intermediate Algebra / Geometry Honors	
Engineering Drafting I		Geometry	
Engineering II Honors		Algebra II	
English Courses	8-10	Algebra II / Trigonometry Honors	
English I		Advanced Algebra with Trigonometry	
English I Honors		Pre-Calculus with Trigonometry	
English II		Pre-Calculus Honors Pre-AP	
PRE-AP English II Honors		AP Calculus	
English III		Probability & Statistics	
AP Language and Composition		Physical Education	22
English IV		Providence High School (Classes at)	4
AP Literature and Composition		Religion Courses	7-8
Creative Writing		Religion I	
Foreign Language Courses	19-21	Religion II	
Latin I Honors		Religion III	
Latin II Honors		Religion IV	
Latin III Honors: Latin Literature		Service and Outreach	
Latin IV AP: Vergil		Christian Community Leadership	
Spanish I		The Christian Holy Land	
Spanish I Pre-AP		Marianist Sodality	
Spanish II		Re-registration Instructions	1
Spanish II Pre-AP		Science Courses	17-18
Spanish III		Physics I	
Spanish III Pre-AP		Physics I Honors	
Spanish Language AP		Biology	
Fine Arts/Humanities	4	Biology Honors	
Fine Arts Courses	22-24	Chemistry	
Art I		Pre-AP Chemistry Honors	
Art II		AP Chemistry	
Ceramics I		Physics II Honors	
Ceramics II		Anatomy & Physiology	
Beginner's Band/Brass		Ecology	
Beginner's Band/Percussion		Social Studies Courses	12-13
Beginners' Band/Woodwinds		World Geography	
Advanced Band		World History	
Theater Production		Pre-AP World History Honors	
Reading the Movies		United States History	
Chorus		United States History (JET)	
Music and Culture		AP United States History	
Honors Courses	4	American Government	
Information / Communication Courses	11	America and The Cold War	
Journalism I, II, III		Economics	
Speech II, III, IV Honors		Psychology	
Speech Through Men of Integrity		Summer School: Advancement & Failures	4
		TEKS Critique	6
		Vertical Alignment (Credit from middle schools)	5

Catalog of course offerings 2010-11

RE-REGISTRATION INSTRUCTIONS

Deciding upon your high school program is a challenging task with far-reaching implications for your future. Central Catholic's academic goal is impart a quality, integral education, with faith-formation paramount. Each Spring, you have an opportunity to create or revise your four-year plan in light of new learning and other experiences, your changing aspirations, and the expectations of the colleges to which you would like to apply.

Plan in an organized fashion. Remember that colleges and universities look at the rigor of your course studies as a major factor in discriminating between their applicants. That means maintaining a growth orientation, rather than a fixed and defensive mindset, is the best way to achieve your goals. Take the risk to push yourself academically as far as you dare. If you don't risk occasional failure, you may never know true fulfillment and success.

Plan systematically. The process should involve everyone who can tell you anything about your prospective choices: your present teachers, your counselor, the teachers of courses you plan to take, friends who have taken the courses you are considering, and above all, your parents. You might even look through next year's textbooks. Remember: all students must pass all the courses they sign up for, or make them up in summer school. This applies to seniors as well as underclassmen. Also, availability of any course is contingent on minimum demand and maximum capacity. In general, no section will be scheduled with fewer than 12 students, excepting JROTC III-IV and an occasional AP class.

Plan to turn in your registration materials by mid-April. Incoming freshmen will register late in March, in the evening. Sophomores, juniors and seniors register in mid-March and April. Shortly after you turn in your paperwork, your selections will be entered into the computer. Then, you will be given a Course Request Report in late Spring in order to check that no mistakes have been made. Course changes may be made without penalty until that time. The earlier you re-register, the more likely it is that you will be assigned your requested courses. Once a section is closed, no further enrollment is possible.

After the Course Request Reports have been distributed, later requests to add, drop, or change courses are subject to a \$100 Course Change Fee (payable at the time of the request), including any changes requested for the second semester. A fuller explanation of this and related policies appears on pages 2-3. As stated there, no changes of course for the first semester will be considered after July 23, 2010.

CONFLICTS

For several reasons, you are asked to select alternate courses for some electives. Permanently setting any section into next year's timetable depends upon minimum enrollment. Of those that are set, 95% of last year's student selections were successfully scheduled; however (as happens every year in every school), there were unavoidable conflicts. The biggest reason for conflicts is the number of single-section courses (singletons). Every year, there are a dozen or more singletons in our schedule, an average of about two per period. If two singletons which you chose must be scheduled at the same time, you have an unresolvable conflict. The more singletons you select, the more conflicts will happen. If some choice is available to students who develop conflicts, they will be notified before July 23. If no choice is possible, necessary changes will be made by the office that do not affect your graduation. Your alternate choices will be given first consideration. The best advice we can give is to ask for the courses you want, fill up all seven periods of the day, and turn in your registration early.

ADMISSIONS PROCEDURE

Central Catholic High School has been in San Antonio since 1852—at the present site since 1932. We are the oldest boys' school in Texas and the only boys' high school in the area. CCHS is fully accredited by the Southern Association of Colleges and Schools and by the Texas Catholic Conference Education Department (2007 reaccreditation). We welcome students of any race, color, or creed. Whenever possible, we make provision for students with disabilities. We are, however, not equipped to help students with profound learning disabilities. Applicants are evaluated primarily by their ability to benefit from a college-preparatory program, and by their personal commitment to doing so.

EIGHTH-GRADE APPLICANTS are evaluated by an Admissions Committee based upon three criteria:

- a transcript of their sixth - eighth grade records and standardized testing
- the recommendations of their eighth grade principals or teachers.
- the Scholastic Testing Service High School Placement Test administered at Central Catholic in December.

Parents are notified by mail of the Admission Committee's decision. In some cases, a personal interview with the applicant and parents is required. In some cases, our summer acceleration lane program is required to prepare students for college preparatory work.

HIGH SCHOOL APPLICANTS who wish to transfer to Central Catholic must present an up-to-date transcript of their courses and grades to the Admissions Director. If standardized test scores are not recent, such students may also be required to take an achievement test to gain admission and to assist with placement. A personal interview is always required for transferring students. A more detailed description of admissions policies is available on our website at www.cchs-satx.org.

ACADEMIC POLICIES, related to RE-REGISTRATION

Some of Central Catholic's academic policies concern registration for the following year; please familiarize yourself with these policies before selecting courses in order to avoid academic problems later. A more complete list of academic policies will be found in the 2010-11 Parent-Student Handbook, or, after July 2010, the 2010-11 Parent-Student Handbook.

Credits and Course Loads

Since at least 28 credits are required for graduation, a student must take an average of 7 or more each year. This includes the senior year, regardless of the number of prior credits accumulated. As a student's interest in specific universities begins to firm, he should investigate the entrance requirements of each school, either through Central Catholic's Guidance Office resources or by direct communication with the institution of higher learning. The high school diploma programs required for graduation do not fulfill the expectations of each and every major university around the country.

Marianist Honors Diploma

Each senior applying for the Marianist Honors Diploma will develop and present an 8-12 minute PowerPoint presentation to the Principal and his committee. This reflection will be presented in the Second Semester of senior year.

Course Selections

Current students re-register for both semesters of the following school year in mid-March. They are expected to make firm course selections at that time. COURSES ARE NOT RE-SCHEDULED BETWEEN SEMESTERS (except at the request of the teachers, counselors, or administration). It is assumed that courses are chosen with careful forethought and planning.

1. Students are expected to ABIDE BY THE CHOICES MADE DURING SPRING REGISTRATION. The Master Schedule is based upon students' selections, and teachers are contracted in the Spring based upon the Master Schedule. Course changes requested for other than a serious reason would create poorly balanced teacher loads and oversized classes. The signed registration form represents the student's final decision and the parents' approval of that decision.
2. Course or section changes are not made based upon a teacher's reputation, personality, or policies.
3. Course changes are never made so any student may have early dismissal; school ends after eighth period for everyone except juniors and seniors granted released time to attend a university course.
4. Only if it is in the student's BEST ACADEMIC INTEREST may a change of schedule be approved, as an exception. This is done at the discretion of the Principal or Assistant Principal for Academics, with the concurrence of the teacher, parent, and student. If the school initiates such a change, there is no charge. However, there is a

\$100 FEE for COURSE CHANGES initiated by the student or parent!

This fee covers the clerical/computer work necessary by the Registrar and the Business Office, and is also intended to encourage the student to make his original course selections thoughtfully. No changes of course for the first semester will be considered after July 23; preparation for the opening of school consumes all of the office time in late summer.

DROPPED COURSES

In general, there is **no** provision for "dropping" a class after school has begun. Under no circumstances may a **REQUIRED COURSE** be dropped; it must be completed and, if failed, taken during summer school or night school. See the following policy.

Only because of exceptional circumstances may a student drop an **ELECTIVE COURSE**: 1) if the Principal or Assistant Principal for Academics, teacher, parents, and student concur, and 2) if the student does not fall below the minimum 7 credit course load. If such a course is dropped after the fourth week of its first semester, a grade of W/P (Withdrew/Passing) or W/F (Withdrew/Failing) becomes part of the permanent record; in either case, 0.0 grade points are included in the semester average(s) for the rest of the course. Additionally, the dropped course (or an alternative) must be retaken in summer school (or night school). Students who are chronic behavior problems in a class, if they are permitted to remain at Central Catholic, may be dropped without the student's or parent's permission and have to take the course in night school. This is, fortunately, a very rare occurrence.

SUMMER SCHOOL: ADVANCEMENT AND FAILURES

Summer courses are customarily taken for advancement or to remedy a deficiency. For example, many incoming freshmen take Physics I, speech communications/rhetoric, communications technology or world geography in the summer so that they can take an elective like band or chorus during the regular term. Other courses typically taken in the summer for advancement are economics, American government, intermediate web design, geometry and health. Honors courses, pre-AP and AP courses are not available in the summer program.

1. Courses ordinarily taken during the school year may be taken during summers only with the prior approval of the Assistant Principal for Academics, who will confer with the relevant chairman. Summer school approval forms may be obtained from the Registrar. Required courses that can easily be taken at Central Catholic during the school year are only rarely approved for summer study. Grades from such courses are added to the cumulative G.P.A. at the end of the Fall semester.
2. Failures: Central Catholic awards half-credits by the semester; the two semester grades are not generally averaged together. Every failing semester grade must be made up in an approved summer school or an approved night school. Correspondence and on-line courses are not acceptable. This policy applies to electives as well as required courses; it applies to seniors as well as underclassmen; diplomas will be held until eighth-semester failures are made up, regardless of the credit total. If such a course is not offered, an alternative elective must be chosen. Normally, courses cannot be retaken here at Central in a subsequent semester or school year. Grades from make-up courses are not added to the cumulative G.P.A.
3. Central Catholic does not permit its students to make up more than 2 credits in summer school. Consequently, students who fail two (or more) full credits jeopardize their ability to continue at the school.

HONORS COURSES

As listed in this Catalog of Course Offerings, there are many Honors courses and pre-AP honors courses (other than AP courses) offered at Central Catholic. As defined by the regulations, an Honors course requires the student to do a greater volume of work at a level clearly beyond that of a standard course. For that reason, only superior students are approved for Honors courses; they are not electives. Honors credit is awarded only for those courses taken at Central Catholic (or already on the transcript of transfer students), for which there is a 0.5 increment added to the G.P.A. (an “A” is 4.5 instead of 4.0, for example.). Placement in Honors courses is based on performance—usually a 93% in a related course or an 85% in an prerequisite Honors course—and may require some summer advancement work as well.

CLASSES AT PROVIDENCE HIGH SCHOOL

Central Catholic and Providence High Schools are single-gender educational institutions. Nonetheless, there is some class sharing, most particularly Advanced Band, JROTC, engineering and Theater. Sharing is very limited because Providence operates under a “bloc” schedule.

FINE ARTS/HUMANITIES

Students may enroll in only ½ credit of studio Art or Ceramics during their four years without special permission from the instructor and Assistant Principal for Academics.

COLLEGE CREDIT

Central Catholic has developed cooperative instructional programs with colleges in the area. Eligibility for these programs is determined by the Principal or Assistant Principal for Academics at Central Catholic. Such approval is required. In general, Central Catholic freshmen and sophomores are expected to take all their courses here; juniors, and seniors must take at least four courses here each term. College admissions criteria are established by the various institutions; in some cases, joint credit (high school honors and college) is awarded. Transportation to such classes is the responsibility of the students.

1. St. Mary's University's JET (Joint Enrollment Transition) program offers Central Catholic upperclassmen the chance to take courses open to college freshmen on their campus. Students need to submit an application for the program, and find a course that fits into their schedule. These courses are typically taken in the evening. Students pay full tuition at Central Catholic. They are charged no tuition at St. Mary's and their college credit is typically transferrable to other universities. They are responsible for books and lab fees, if any.

2. The Dual Credit Program with San Antonio College. The courses are taken at SAC. They will not cost students any extra tuition, but they may be expected to buy the textbooks that SAC designates. The courses will require additional registration work and an application. Once students complete the classes, they will receive college credit from SAC with no further obligations. This credit may or may not be transferrable to a 4-year university. Dual credit classes are no longer conducted on Central Catholic's campus.

3. Advanced Placement (AP) classes are more than high school Honors courses; they are college-level classes that assume college-level ability and commitment. AP students will take the national tests during May. A fee for each AP test is charged by the business office. The results are forwarded to the colleges of their choice. Each college weighs the test grade (from 1 to 5) against its own academic standards, then informs the student of the college credit, if any, he will be awarded. (Central Catholic's teachers record their own grades as usual; the AP test excuses the student from the second semester exam. The AP test *must* be taken for the student to receive credit at CCHS.) All AP classes will carry a GPA addition of 1.0. More information about the Advanced Placement program may be obtained from the AP teachers or AP coordinator.

VERTICAL-ALIGNMENT CREDIT: Credit from Middle School

Central Catholic has developed cooperative instructional programs with local middle schools. These programs are negotiated by the Principal or Assistant Principal for Academics at Central Catholic in dialogue with individual grade/middle schools (e.g. in Physics 1).

Any Middle School student wishing to be awarded credit for Spanish 1, Latin 1 and Algebra 1 must take a Proficiency Exam administered in May. Based on the exam results, the student may be or may not be awarded credit for Spanish 1/Latin 1/ Algebra 1. Further information may be obtained from the Admissions Office or the Assistant Principal for Academics. Central Catholic still requires a full four years to be completed at CCHS for graduation.

COURSE DESCRIPTIONS: Key to Abbreviations

Courses are listed here, within department, in grade-level order. To locate a specific course, see the INDEX. Abbreviations indicating the nature of each course are as follows:

H — The “H” indicates “Honors” course (for advanced students. It has a higher G.P.A. value: 0.5).

AP — The “AP” indicates “Advanced Placement” course. All AP classes carry a 1.0 G.P.A. addition.

APP — This course requires prior approval of its teacher or your present teacher (see Registration Sheet).

CONCURR — Concurrent enrollment possible

PLACE — This is a course whose placement (in an appropriate track) will be made by this year’s teacher.

PREREQ — This course requires credit for a prior course; for example, Chemistry is a prerequisite for Physics II honors.

SEM:E — This is a one-semester course which may be scheduled by the computer in either semester.

SEM:B — This is a two-semester course with classes in both semesters.

SMMR or SUM: enr — This means the course is offered and typically taught during the summer terms as an enrichment course. This is not a guarantee.

PROVonly — This course is offered only at Providence High School. Students will have to walk to their campus and take the class in one of their Bloc class periods on A or B day.

PROVenr — This course is offered to students from Providence High School, but will be taught on our campus in our class schedule.

TEKS Critique

Our faculty has endeavored to examine the Texas Education Agency’s (TEA) Texas Essential Knowledge and Skills (TEKS) and to compare ways in which our curriculum matches and exceeds those standards. We believe that the TEKS have been developed as a comprehensive set of curriculum objectives, refined and developed by experts from around Texas and the nation, educators, college professors, curriculum experts, parents, the best of the best. In a sense, the TEKS are the traditional high school course standards. In every course where a set of TEKS exists, our faculty members have tried to show where and how their course matches or moves beyond them, and especially the ways in which our courses implement the Characteristics of Marianist Education. For the full TEKS, see <http://www.tea.state.tx.us/rules/tac/chapter110/index.html>

The Scope and Sequence of each course may be viewed in the office of the Assistant Principal for Academics, the department chair of the relevant department or division, and the lesson plan book of the teacher of the course.

Marianist Character of Our Curriculum

Before students and other stakeholders proceed into this Catalog of Course Offerings, it is understood that at the heart of everything this school does in the classroom, from course design to final assignments and all work in between, are the fivefold Characteristics of Marianist Education:

**Educate for formation in faith,
Provide an integral, quality education,
Educate in family spirit,
Educate for service, justice, and peace
Educate for adaptation and change.**

Although a course description may not make explicit mention of these characteristics, they permeate the entire school and curriculum. Complete information on the Marianist character and heritage of the school may be located on the Central Catholic website.

SPEECH THROUGH MEN OF INTEGRITY-VIRI INTEGRITATIS Grade 9 ½ Credit SEM:BA

This semester course is required for all freshmen. This is a course that introduces the student to being a Central Catholic man while presented through speech communications. This course allows the freshman to learn and understand the unique spirit, brotherhood, and Marianist charism of our school. Students will also be introduced to character development, skills on how to be successful, and on how to develop a profile of a Marianist student. Men of Integrity will be designed to acquaint the student with the techniques of what they learn through verbal communication and public speaking. Dynamics of group communication, the employment of public speaking in leadership roles and the tools of media presentation are explored. This course is required for graduation.

TEKs critique

§110.56, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.htm#110.56>

Departments and Courses

Religion

The Religion Department is in full compliance with the Curriculum Framework as recommended by the United States Conference of Catholic Bishops (2007).

RELIGION I Grade 9 1 Credit SEM:B (May be offered as summer remediation course.)

Sem. 1: The Sacramental nature of our Church and Faith: Focuses on what Catholics believe and practice. How through our beliefs and practices we encounter Jesus Christ. Introduction to the life of Blessed William Joseph Chaminade, Founder of the Marianists; Introduction to Sodality and the Marianist Charism.

Sem. 2: Revelation of Jesus Christ in Scripture, Part A: A study of Revelation to the Israelites in light of the promised Savior as revealed through the inspired writings of the Old Testament.

RELIGION II Grade 10 1 Credit SEM:B. (May be offered as summer remediation course.)

Sem. 1: Revelation of Jesus Christ in Scripture Part B: A study of the person of Jesus Christ, and our call as Christians as revealed through the inspired writings of the New Testament.

Sem. 2: Life in Christ: A study of the moral concepts and precepts that govern the lives of Christ's disciples as articulated through Jesus Christ and the Catholic Church.

RELIGION III Grade 11 1 Credit SEM:B. (May be offered as summer remediation course.)

Sem. 1: Christ's Mission in the Church: A study of the historical events and sacred nature of Christ's Church from the Hebrew synagogue to the modern Church.

Sem. 2: Society and Discipleship: A study of Social Justice teachings of the Catholic Church where moral theology is applied to the modern condition and the challenge of living as a disciple of Christ in today's society is explored.

RELIGION IV Grade 12 1 Credit SEM:B (May be offered as summer remediation course.)

Sem. 1: Catholic Apologetics: A study of ecumenical and interreligious issues: The unity of truth is affirmed by investigating some of the non-Catholic and non-Christian religions students may encounter in their life, and the Catholic view of these doctrines. The course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and non-Christian religions.

Sem. 2: Responding to the Call of Jesus Christ: A study of how Christ calls us to live by examining the vocations of life. A course in practical Christian living, it considers some of the demands on adults living as Catholics in today's world.

SERVICE AND OUTREACH Grade 10, 11, 12 PASS/FAIL SEM:B.

This non-credit, pass-fail course is an automatic enrollment course for all sophomores, juniors, and seniors. The Christian Service Learning program provides an opportunity for the student to identify, develop and share their gifts and talents; raises the student's awareness of community issues while taking action to correct the problems; impresses on the student the interconnectedness of the human family; and challenges the student to see the connection between what they are learning in the classroom and the way we live our daily lives. In addition to these objectives, the Christian Service Program is designed to support and evidence the characteristics of Marianist education. The service learning coordinator organizes the program and the documentation for service hours (10 for freshmen, 15 for sophomores; 20 for juniors; 25 for seniors). A passing grade in all three years is required for the honors (distinguished) diplomas.

CHRISTIAN COMMUNITY LEADERSHIP Grade 12 1 Credit

Upon petition to the Campus Minister and Religion department, a senior may be awarded, in his eighth semester, 1 credit in religious studies for participation in Christian leadership, if he has participated fully in 3 years for Sodality, including senior leadership of a lower class sodality unit and/or the school sodality leadership team. He must also have acted as a leader in at least one school retreat.

THE CHRISTIAN HOLY LAND: Yesterday and Today All Grades ½ credit

Students who participate in a pilgrimage to the Holy Land with a licensed Christian guide and Christian spiritual director may receive 0.5 elective credits toward graduation. In general, the pilgrimage must be on the ground in the territories of Israel, Palestine and/or Jordan for no fewer than 7 days. The itinerary must be pre-approved by the principal or assistant principal. The pilgrimage may be sponsored by the school or taken as independent study. This course is available as an extra-fee class only. We encourage students and parents to consult U.S. State Department advisories on foreign travel before planning the pilgrimage.

MARIANIST SODALITY Grades 10, 11, 12 Non Credit SEM: B

The Marianist Sodality at CCHS models the work of Fr. Chaminade and offers sophomores, juniors and seniors a biweekly opportunity to experience in small groups a time to pray, learn about the life of Christ and the Marianist charism, and to plan and conduct service and apostolic work. This is a three-year program, particularly designed to develop Christian leaders. A special emphasis is placed on each individual Sodality to participate in some apostolic or service work.

Sophomore Year 1: The first year of Sodality introduces the student to the Marianist charism.

Junior Year 2: The second year of Sodality enables juniors to sustain the mission of Jesus.

Senior Year 3: The final year of Sodality lays the foundation to develop Christian leaders for service in the world beyond Central Catholic.

English

ENGLISH I Grade 9 Non Credit SEM:B.

Students work with a variety of literary genres, including drama, poetry, short stories and novels. Basic principles of grammar and usage are introduced and drilled with the purpose of improving composition skills, especially paragraph construction and essay writing. Students learn process writing through the re-working of at least one major assignment each quarter. In addition, students are required to read additional fiction each quarter for enrichment. Grade-appropriate library and internet research methods are integrated into the course. TEKS critique §110.42. English I, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.42>

ENGLISH I HONORS Grade 9 1 Credit SEM:B. HONORS

Honors English is a program for students testing in the high percentiles on the placement test, whose submitted essay and middle school English grades are well above average. The honors sequence leads through the pre-AP English II honors course towards taking Advanced Placement Language and AP Literature in the student's junior and senior years respectively. The reading and writing component of this course is similar to 117 English, but its intensity and depth is greater. Students are expected to spend more time and effort revising compositions and studying literature. Furthermore, they are expected to master personal essay writing and to attain a basic level in the practice of literary criticism. Grade-appropriate library and internet research methods are integrated into the course. TEKS critique §110.42. English I, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.42>

ENGLISH II Grade 10 1 Credit SEM:B PLACE

This course offers a variety of literary genres, featuring works by Twain, Poe, and Salinger. In addition, greater emphasis is placed on the teaching of a Shakespearean play. Writing assignments emphasize both personal and literary essays, each with the purpose of further developing process writing skills. Grammar and usage are studied intensively to prepare students for advanced composition and for standardized tests (PSAT, SAT, ACT). Students continue reading additional fiction to complement their existing knowledge of literature. Grade-appropriate library and internet research methods are integrated into the course.

TEKS critique

The English II curriculum adheres to the TEKS with very few exceptions. The various strands of writing are presented in a comprehensive manner, while the concepts of grammar and formal usage are incorporated both within essays and through direct instruction. Furthermore, reading and listening skills, while following the published state guidelines, are presented in more complex form and through independent written and oral projects. Because our Language Arts curriculum is intended solely for the college preparatory student, the evaluation and analysis of media productions is ancillary to the main topics and conducted by the occasional use of video dramatizations.

§110.43. English II, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.43>

PRE AP ENGLISH II HONORS Grade 10 1 Credit SEM:B Honors PLACE

Literature study focuses on the themes initiation and self-awareness. Although some opportunities exist for personal writing, the course emphasizes a mastery of the fundamentals of literary analysis. An intensive study of grammar and rhetoric, designed to improve process writing skills, is also included. This course requires the recommendation of English I teachers. This recommendation will be based on scholarly attitude and achievement in the 9th grade. Grade-appropriate library and internet research methods are integrated into the course. TEKS critique (see above) §110.43. English II, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.43> (see Eng. II)

ENGLISH III Grade 11 1 Credit SEM:B PLACE

This course offers a study of 20th century American authors, among them Arthur Miller, Fitzgerald, Hemingway, Steinbeck, and O'Brien. The course also reviews 19th and 20th century American poetry, with emphasis on Whitman, Dickinson, and Frost. Expository essays are used to address the study of these authors'/poets' works. An extensive study of grammar and vocabulary enhances the students' appreciation of language. Students also read independently to complement their literary skills. One Shakespeare work is read ("The Merchant of Venice"), and a research unit presents scholarly research techniques (finding sources, note taking, using sources).

Grade-appropriate library and internet research methods are integrated into the course.

TEKS critique

The English 3 curriculum generally mirrors the standards presented in the English 3 TEKS with a few key alterations. Students are "to plan, draft, and complete written compositions on a regular basis;" however, in preparation for college and beyond, the forms are largely critical essays (analysis, comparison, and persuasion) and research projects, not "business forms or writing." Less textbook grammar is emphasized; in-essay grammar work is the focus. The novels come from 20th century American literature; American poetry is covered extensively. Students are also required to read beyond assigned readings in the form of an independently chosen book. All Central Catholic English students cover one Shakespeare work per year. We entrust speech and presentation skill development to the required speech course within the curriculum, though students do give speeches within the class.

§110.44. English III, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.44>

AP LANGUAGE and COMPOSITION Grade 11 1 Credit SEM:B AP PLACE

[Note: A standardized Advanced Placement exam must be taken by all participants in May.] Students are assigned by English II teachers, based upon attitude and achievement in tenth grade as well as additional summer reading. This challenging course analyzes the techniques that writers use to convey their ideas. The AP Language portion of the course focuses on non-fiction writers, seeking to have students both recognize the devices that writers employed and use them in their own writing. The literature portion of the course, in keeping with the department, prepares students for the analysis and works within the AP Literature exam.

Grade-appropriate library and internet research methods are integrated into the course.

TEKS critique

The AP Language TEKS defer to the AP standards, and thus provide none of their own. We, too, use the College Board's standards, and add a few of our own. First, the course is taught as preparation for the AP Literature test, with students reading and analyzing fiction works that are recommended for AP Lit students, including Shakespeare's "The Merchant of Venice." Next, students write a research paper, similar to their English 3 colleagues. Finally, the course has created cross-disciplinary links between the course and the U.S. History courses (regular and AP).

§110.83. Advanced Placement (AP) English Language and Composition, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110d.html>

College Board's AP Course Description for AP Language and Composition

http://www.collegeboard.com/prod_downloads/ap/students/english/english_07_02.pdf

ENGLISH IV Grade 12 1 Credit SEM:B PLACE

This course offers a sampling of British literature, and features Chaucer, Shakespeare, Dickens and Greene. Students continue to improve essay-writing skills by writing college application, personal and literary essays. Composition study emphasizes process writing. Grammar/rhetoric relates closely to composition assignments. Students learn some history of the English language. An independent reading program complements the study of required fiction.

Grade-appropriate library and internet research methods are integrated into the course.

TEKS critique

The English IV covers many of the standards identified in the TEKS. The emphasis, however, varies. First, essay writing, both of a personal and literary nature, is emphasized. Research is generally de-emphasized. In the first semester, students complete an etymology research paper. Rhetoric units help students learn the basics of grammar, usage and mechanics. The literature covered comes from Britain and represents a chronological sampling. Independent reading selections complement this core curriculum. In addition, students study one Shakespeare play, "MacBeth." Although oral presentations are not studied explicitly, all students are required to make dramatic presentations during the study of Shakespeare.

§110.45. English IV, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.45>

AP LITERATURE and COMPOSITION Grade 12 1 Credit SEM:B AP PLACE

[Note: A standardized Advanced Placement exam must be taken by all participants in May.] This challenging course is designed to develop a student's ability to read and write critically at a level beyond what is normally expected of the average college-bound student. Major works from various literary genres are discussed in depth with concentrated focus on explication and interpretation. Formal and informal student essays address complex concerns of form, meaning, and sound in literature.

Grade-appropriate library and internet research methods are integrated into the course.

TEKS critique

This AP Literature course covers most of the standards set out in the TEKS for literature, but emphasizes the following skills: 1.) close explication of prose and verse passages to infer patterns for analysis in literary essays. 2.) analysis of novels for character, theme, plot, setting, and point of view explication in literary essays. 3.) mastery of literary terminology so as to be able to answer close analysis poetry and prose questions on timed multiple choice test questions. Two main composition organizing principles: 1st semester: take home essays and poetry research; 2nd semester: in-class writing, prose analysis, review of poetry. Literature strands are traditional, world, and multi-cultural. Our curriculum reflects a bias toward the traditional literary selections.

§110.84. Advanced Placement (AP) English Literature and Composition, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110d.html>

College Board's AP Course Description for AP Language and Composition

http://www.collegeboard.com/prod_downloads/ap/students/english/english_07_02.pdf

CREATIVE WRITING Grade 11, 12 ½ Credit SEM:E APP ELECTIVE SUMMER

This elective course is intended for students serious enough about reading and self-expression to review, yet go beyond the mechanics of writing expected in English III and IV classes. Various writing styles will be researched and imitated, especially descriptive prose, poetry, familiar essays, character sketches, and stories. Approval of the Creative Writing teacher is required; applicant may be asked to submit a sample of his work.

Grade-appropriate library and internet research methods are integrated into the course.

§110.52, <http://ritter.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.52>

Information & Communication

(ATTACHED TO THE ENGLISH DEPARTMENT)

JOURNALISM I, II, III Grades 10, 11, 12 1 Credit SEM:B APP

Communications through publication. Students are plan, draft, and complete written and/or visual communications on a regular basis, learning to edit copy for clarity, engaging language, and the correct use of written English. Students are expected to become analytical consumers of media and technology to enhance their communication skills. Students learn journalistic ethics and standards. Students plan, organize, and prepare an annual yearbook and periodic newspapers. Journalism I fulfills 1/2 the CCHS Fine Arts/Humanities requirement. Journalism II and III fulfills the second one-half (½) credit requirement in computer science/technology. Full-time staff photographers may receive ½ fine art credit in photography.

TEKS link

§110.62, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.62>

SPEECH II, III, IV HONORS Grades 10, 11,12 ½ Credit SEM: E APP Preq HONORS

Prerequisite: Speech Communications/Rhetoric.

This is an elective continuation of the skills and techniques introduced in Speech Communications, with a particular emphasis on competition speech and/or dramatic presentation. Students will research and prepare speeches or oratory for various speech competitions and presentations. This course may be repeated for credit.

TEKS link

§110.60, <http://www.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.60>

SPEECH THROUGH MEN OF INTEGRITY-VIRI INTEGRITATIS Grade 9 ½ Credit SEM:BA

This semester course is required for all freshmen. This is a course that introduces the student to being a Central Catholic man while presented through speech communications. This course allows the freshman to learn and understand the unique spirit, brotherhood, and Marianist charism of our school. Students will also be introduced to character development, skills on how to be successful, and on how to develop a profile of a Marianist student. Men of Integrity will be designed to acquaint the student with the techniques of what they learn through verbal communication and public speaking. Dynamics of group communication, the employment of public speaking in leadership roles and the tools of media presentation are explored. This course is required for graduation.

TEKS critique

§110.56, <http://www.tea.state.tx.us/rules/tac/chapter 110/ch110c.htm#110.56>

Computer Technology

ATTACHED TO THE SCIENCE AND ENGINEERING DEPARTMENT

COMMUNICATIONS TECHNOLOGY Grade 10 ½ Credit SEM:BA SUM

This course is designed to provide an introduction to computer hardware and computer software applications. It will encompass word processing, spreadsheets, presentation and desktop publishing applications including a hands-on approach when using each application. It will also cover computer hardware and function topics. The course will be based upon the current Microsoft Office Suite software (Word, Excel, Power Point and Publisher). No prior knowledge of computers is needed.

§126.21, §126.22, <http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.21>

INTERMEDIATE WEB DESIGN Grades 11, 12 ½ Credit SEM:E PREREQ: Comm. Tech

This course builds on the web design components of Communications Technology and takes students further into building attractive, effective, and well-designed web sites. Students will by the end of the course be able to design and build a full web site, trouble-shoot a web site that is not functional, and understand the components of successful web sites. The capstone project will be a fully functional web site. The class will primarily use Microsoft Frontpage software.

Social Studies

WORLD GEOGRAPHY Grade 9 1 Credit SEM:E SUMM: rem/enr

World Geography is an introductory course into the physical, religious, economic, and cultural diversity of our world. It covers the aspects of physical geography as well as looking at the world on a regional basis. Students will be introduced to a comparison and contrast of the world we live in and gain an appreciation of the effects of topography and demography on societies.

TEKS critique

A special study of 21st century demographics is an integral part of the course, so that students better understand the reality and cause of the underpopulation and resulting economic crisis facing the civilized world.

§113.34, <http://www.tea.state.tx.us/rules/tac/chapter113/ch113c.html#113.34>

WORLD HISTORY Grade 10 1 Credit SEM:B PLACE

This is the required survey course covering the ancient, medieval, and modern world with a focus on the people and events that had the greatest impact on history. There is an additional emphasis on comparing historical events with contemporary world affairs.

TEKS critique

The contribution of the Church to the development of society is emphasized.

§113.33, <http://www.tea.state.tx.us/rules/tac/chapter113/ch113c.html#113.33>

PRE-AP WORLD HISTORY HONORS Grade 10 1 Credit SEM:B Pre-AP APP

This course covers the same material as the basic World History course but includes more stringent requirements and provides appropriate preparation for those students who expect to take JET or AP U.S. History. Students are expected to grow in critical thinking skills, and develop their ability to work together on research, presentations, and historical projects. Selection for this course depends on freshman year GPA.

TEKS: See above, World History

TEKS: see above, World History

UNITED STATES HISTORY Grade 11 1 Credit SEM:B

This is a survey course of our country's past, from its Spanish Colonial and English Colonial origins to the present. The course looks at the economic, political, social, and military events that shaped the nation and directed US foreign and domestic policies.

TEKS critique

§113.32, <http://www.tea.state.tx.us/rules/tac/chapter113/ch113c.html#113.32> (Note: The TEKS for U.S. History cover only Reconstruction to the present.)

UNITED STATES HISTORY, JET Grade 11 1 Credit SEM:B

Students who take this class are required to jointly enroll with St. Mary's University for an American History course. The course will be taken at St. Mary's and will cover the same material as U.S. History, but it is covered at a greater depth of detail and with additional requirements. Successful completion of the course will result in both high school and university credit for American History. Selection for this course requires a minimum GPA of 3.3 and Administration approval.

ADVANCED PLACEMENT U.S. HISTORY Grade 11 1 Credit SEM:B AP APP

(Note: a standardized Advanced Placement exam must be taken by all participants in May) This course is a fast-paced, in-depth look at U.S. History from colonial times to present. U.S. history is discussed not only from the normal historical perspective, but also from the perspectives of government, politics, sociology and economics. The course contains extensive reading and writing requirements, and requires the student to be heavily involved in self and peer learning. Students electing this course should plan to budget a greater than average amount of study time to keep current. It is recommended that students enroll in Economics in the summer prior to AP U.S. History in order to gain a more in-dept understanding of our economic or political system. Selection for this course requires a minimum GPA of 3.3 and instructor approval.

TEKS

§113.53, <http://www.tea.state.tx.us/rules/tac/chapter113/ch113d.html#113.53>

College Board's AP Course Description for AP U.S. History

http://www.collegeboard.com/ap/pdf/cd_us_history_02-03.pdf

AMERICAN GOVERNMENT Grade11 or 12 1/2 Credit SEM:E SUMM: rem/enr

This course describes analyzes and explains the American System of government, beginning with the philosophy and founding of our nation. Students experience the Constitution, the rights and responsibilities of a citizen, comparative politics, and current national, state and local issues.

TEKS critique

The Marianist concepts of justice and peace are emphasized in current issue discussions.

§113.35, http://www.tea.state.tx.us/rules/tac/chapter_113/ch113.html#113.35

ECONOMICS Grade11 or 12 1/2 Credit SEM:E SUMM: rem/enr

This course covers those skills necessary to understand the basic economic principles at work in U. S. society today. The marketplace is examined from the individual's and the government's point of view. Microeconomic and macroeconomic concepts and models are used to study current national and international financial dynamics.

TEKS critique

The Economics curriculum at Central Catholic covers all of the TEKS and places a large emphasis in analyzing how those concepts are alive in the marketplace today. Students will be expected to apply Catholic principles of justice to markets and government intervention.

§118.2, http://www.tea.state.tx.us/rules/tac/chapter_118/ch118a.html#118.2

AMERICA AND THE COLD WAR Grade 12 1 Credit SEM: B HONORS PREREQ APP

This course outlines the historical events of the Cold War, major American events during the period and the art, music, film and cultural trends coinciding with the historical periods being covered. The objective is to give the student a thorough understanding of American life and policies during the period from the adoption of the policy of Containment at the end of WWII to the fall of the Soviet Union in 1991. American History or AP U.S. History is a prerequisite and instructor approval.

PSYCHOLOGY Grade 12 ½ Credit SEM:E

This course introduces the student to the objective methods of inquiry proper to psychology as a science and profession. It studies the historical and biological roots of the discipline, but emphasizes the core concepts that relate to everyday life. It examines the brain and mind, depression and joy, dreams and memories, and teaches how to think critically and evaluate competing ideas.

TEKS critique

The psychology curriculum reflects the standards set forth in the TEKS. It is an elective course that puts current psychological practices into a historical perspective. The biology of behavior is covered through individual PowerPoint presentations generated by students for the class. This includes a study of the brain plus the five senses and the impact each has on behavior. Emphasis

is placed on the developing person from conception to death. Each stage of life is presented from a psychological, cognitive, and behavioral point of view. In this way, the students are guided to not only understand their own adolescent challenges, but the stages that other people in their lives may be experiencing. The students are introduced to the causes of psychological disorders and possible psychological therapies. The course culminates with a study of the self-concept and relationships – so important to young people today who are trying to find their own identity in today’s culture.

§113.36, <http://www.tea.state.tx.us/rules/tac/chapter113/ch113c.html#113.36>

Mathematics

ALGEBRA I Grade 9 1 Credit SEM:B CUM SUMM: rem/enr

This course is a standard first-year Algebra course, covering considerably more material than most middle-school Algebra sections. Content includes elementary operations with signed numbers, equalities and inequalities, operations with polynomials and rational expressions, factoring, word problems, solving linear and quadratic equations, graphing, functions, algebraic fractions, radicals, and systems of equations.

TEKS critique

Our math curriculum in Algebra I is designed to give students a firm foundation on which to build in subsequent courses. Mathematics at this level, in the public school sector, relies predominantly on the use of a graphing calculator. It has been our philosophy that students are better educated in mathematics when they are not dependent upon a calculator. Once a student understands the concepts, he learns how to use his graphing calculator as an aid.

§111.32, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111c.html#111.32>

ALGEBRA I HONORS Grade 9 1 Credit SEM:B HONORS PLACE

This honors course reviews elementary and advanced topics in algebra. It is intended for strong math students with prior training in algebra. Pre-requisite: Middle school algebra and acceptable score on algebra proficiency exam. A graphing calculator, preferably TI-84 Plus, is required. *This honors level freshman course covers topics in the TEKS for Algebra I and includes some Algebra II TEKS topics.*

INTERMEDIATE ALGEBRA / GEOMETRY HONORS Grade 9 1 Credit SEM:B HONORS PLACE

This accelerated course covers advanced topics in algebra and elementary geometry. It is intended for students with prior knowledge of algebra that are capable of taking two years of math in one year. Students taking Int. Alg/Geometry are enrolling in the advanced math track that will culminate in AP Calculus or Probability/Statistics (or both) in their senior year. Placement in this course is based upon past performance in math courses and performance on an Algebra test administered at CCHS in May. Completion of an Algebra I course in grade school with a grade above “C” is required due to the accelerated pace of the course and the advanced topics covered. A graphing calculator is required for students enrolled in the honors program, preferably a Texas Instrument TI-84 Plus.

TEKS critique

This honors level freshman course reviews the topics in the TEKS for Algebra I and includes topics in the TEKS for Algebra II. During the second semester of the course, all TEKS for Geometry are covered.

§111.32 Algebra I, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111c.html#111.32>

§111.34 Geometry, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111c.html#111.34>

GEOMETRY Grade 10 1 Credit SEM:B PREREQ PLACE SUMM: rem/enr

This required course on the dimensioning of planes covers concepts such as space, point, line, triangle, quadrilaterals, polygons, similarity, congruence, and formal proofs. Algebra I or equivalent is a prerequisite. Geometry is taken in summer school as an exception for high-performing students who wish to enter the advanced math program in their sophomore year. To enroll in summer school Geometry, a student must maintain an average of 93% or better in Algebra and receive instructor approval.

TEKS critique

Basic mapping is covered in our Algebra II course. Our Geometry maintains the traditional emphasis on proofs, which has been de-emphasized in most Texas public high schools. Proofing skills help the student to refine their logic and mental organization.

§111.34, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111c.html#111.34>

ALGEBRA II Grades 11, 12 1 Credit SEM:B PREREQ APP

This course reviews elementary algebra and introduces new topics. Content includes systems of linear and quadratic open sentences; polynomials and factoring; rational, irrational, and complex expressions; relations and functions; exponential and logarithmic functions; basic matrix operations; and conics. Algebra I and Geometry are prerequisites, plus approval of the current math teacher.

TEKS critique

Beyond TEKS requirements, the course covers sequences and series, basic Trigonometry concepts, literal equations, absolute value equations and inequalities, and properties of real numbers.

§111.32, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111c.html#111.33>

ALGEBRA II / TRIGONOMETRY HONORS Grade 10 1 Credit SEM:B PREREQ PLACE

This is a complete course in Algebra II/Trigonometry taught at an Honors class level. It also includes topics in Probability and Statistics. Prerequisite for this course is INTERMEDIATE ALGEBRA I / GEOMETRY or Algebra I and Geometry. Placement is by current math teacher.

TEKS critique

Beyond Algebra II TEKS, the course incorporates a full study of Trigonometry. The trigonometry topics taught are foundational for Precalculus honors.

§111.33, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111c.html#111.33>

PRE-CALCULUS WITH TRIGONOMETRY Grades 11, 12 1 Credit SEM:B PREREQ APP

Pre-Calculus is a follow-up course to Algebra II for any student. Its topics include analytic geometry, trigonometric functions, graphing, and formulas; polynomial, exponential, and logarithmic functions; matrices; vectors; sequences and series; derivatives; polar coordinates and complex numbers. Algebra II and Trigonometry are prerequisites, plus approval of the current math teacher.

TEKS critique

All of the topics covered are in the TEKS guidelines except that regression to determine functions is not covered. However, additional material includes a review of linear and quadratic functions at the beginning of the school year. Matrix operations and transformations are also taught to solve real-world situations. Polar equations are added to introduce the student to a new way of locating points on a plane. Lastly, limits and derivatives are covered to introduce the student to calculus.

§111.35, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111c.html#111.35>

PRE-CALCULUS HONORS PRE-AP Grades 11, 12 1 Credit SEM:B PREREQ APP

This course is a follow-up to Algebra II/Trigonometry Honors for superior students. Its topics include the language of sets and logic; ordered fields; sequences and series; vectors; concepts of limits and continuity; polynomial, exponential, and logarithmic functions; derivatives; polar coordinates and complex numbers; trigonometric functions, graphing, and formulas; matrices; analytic geometry of points, lines, and conic sections. Trigonometry is prerequisite, plus approval of the current math teacher.

TEKS critique

The only major difference between our precalculus honors course and the one outlined in the TEKS is in the inclusion of a study of Matrices and their application in the solving of systems of linear equations.

§111.35, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111c.html#111.35>

ADVANCED ALGEBRA WITH TRIG Grade 12 1 Credit SEM: B PREREQ APP

This course is equivalent to a non-credit intermediate algebra course offered by many colleges. It is designed to meet the needs of students who have completed a high school Algebra 2 course but are not yet prepared for pre-calculus. It includes the study of relations and functions, graphing, absolute value sentences, factoring, polynomials, rational expressions and equations, linear and higher-degree equations and inequalities, complex numbers, exponential and logarithmic functions, sequences and series, and an introduction to trigonometry. Prerequisites: Algebra 2 and approval of current math teacher.

TEKS critique

§111.33, <http://ritter.tea.state.tx.us/rules/tac/chapter111/ch111c.html>

AP CALCULUS GRADE 12 1 Credit SEM:B PREREQ APP AP

Calculus is an advanced course for superior students. It is a full course in differential and integral calculus taught at a college level. It covers all topics included in the Calculus AB Advanced Placement scope & sequence. Pre-Calculus with trig or Pre-Calculus Honors is a prerequisite, plus approval of the current math teacher. Students must take the AP Calculus AB test.

TEKS critique

§111.54 (AB), <http://www.tea.state.tx.us/rules/tac/chapter111/ch111d.html#111.54>

§111.55 (BC), <http://www.tea.state.tx.us/rules/tac/chapter111/ch111d.html#111.55>

College Board's AP Course Description for AP Calculus AB and BC

http://www.collegeboard.com/ap/pdf/cd_calculus_02-03.pdf

PROBABILITY & STATISTICS GRADE 12 1 Credit SEM:B PREREQ; APPROVAL

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This is an alternate 4th year math class. It includes preliminary ideas of probability, conditional probability, numerical data, random variables, binomial distributions, sampling, estimation, decision-making and fractals. Precalculus is a prerequisite, with approval of the 11th grade math teacher. A graphing calculator (TI-84+ rec.) is required

TEKS

§111.53, <http://www.tea.state.tx.us/rules/tac/chapter111/ch111d.html#111.53>

Science

PHYSICS I Grades 9, 10, 11 1 Credit SEM: B or summer

Physics with algebra and graphical analysis. This is a laboratory intensive course that will help lay the foundations for chemistry, physics, and basic problem solving by studying the patterns and processes of physics. It is designed to teach students how to analyze data and take measurements with proper scientific methodology in mind. Atomic theory and fundamentals of solids, liquids and gases, and chemical change are introduced. Students who take this course at cooperating middle schools as honors 8th grade science receive credit if their final grade is 83 or higher. Those students and those who attain an 90 or higher in our summer program are eligible for placement in Biology Honors during their freshman year.

TEKS critique

Patterns and Processes of physical science, concentrating on directed labs that permit students to discover the mathematical relationships that govern physical patterns. There is a strong tie-in with Algebra I and Intermediate Algebra/Geometry, and a focus on algebraic and graphing skills and applications. Students would then logically take biology, chemistry, and physics in succeeding years with increased understanding. The course is conceived as physics with algebra; physics II honors will take the students into physics with trig.

§112.42, <http://www.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.47>

PHYSICS 1 HONORS Grade 9, 10, 11 1 Credit SEM: B APP HONORS

Similar topics and material to Physics 1, although at a faster pace. There is a greater emphasis on math-based skills. Consequently, any student enrolled in a freshman level honors math course is eligible.

TEKS critique (See Above)

BIOLOGY Grade 9 or 10 1 Credit SEM:B

This is a sophomore science course stressing the principles of all life sciences: introduction to cellular biology, genetics, ecology, taxonomy, microbiology, botany, invertebrate zoology, and comparative anatomy and physiology of chordates. Laboratory work and field work complements textbook study.

TEKS critique

The controversy between evolution and scientific intelligent design theory is examined critically

§112.43, <http://www.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.43>

BIOLOGY HONORS Grade 9 or 10 1 Credit SEM:B H

Similar topics and material to Biology. More intensive testing and research required. An emphasis is placed on current literature and research.

TEKS (see above)

CHEMISTRY Grades 10, 11 1 Credit SEM:B PREREQ APP

This course is the study of energy and matter and their interrelationship. Some of the major topics are the classification of matter, atomic structure, periodicity, bonding and the nomenclature of matter, moles, stoichiometry, energy, gas laws, and reaction types. Lab work is required. Prerequisites include Biology I, and at least concurrent enrollment in Algebra II.

TEKS

§112.45, <http://www.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.45>

PRE-AP CHEMISTRY HONORS Grade 10 1 Credit SEM:B PREREQ APP HONORS

This course is the study of energy and matter and their interrelationship. Some of the major topics are the classification of matter, atomic structure, periodicity, bonding and the nomenclature of matter, moles, stoichiometry, energy, gas laws, and reaction types. Students are introduced to organic and biochemistry, and recent insights from biochemistry into evolution. Lab work is required. Prerequisites include Biology I H, and at least concurrent enrollment in Algebra II. Algebra II/Trig concurrent enrollment is preferred. Entry into this section requires recommendation of the biology teacher or department chair, and is competitive.

TEKS critique

Limits of science are studied in depth, particularly the limits of materialistic empiricism and logical positivism; there will be little or nothing in the way of field investigations due to time constraints; other modifications are made so that this year's work can serve as the equivalent of a semester of a college-level introduction to chemistry. It is presumed that all students will go on to Physics II honors and AP chemistry. §112.45, <http://www.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.45>

ADVANCED PLACEMENT CHEMISTRY Grade 12 1 Credit SEM:B PREREQ APP AP

[Note: A standardized Advanced Placement exam must be taken by all participants in May.] College chemistry. The basic concepts of Chemistry I are studied in greater detail and depth, then supplemented by topics like VSEPR and MO theories, thermodynamics, kinetics, equilibrium constants, solubility products, organic, physical chemistry, and electrochemistry. Some Saturday labs may be required. Biology, Pre-AP Chemistry (with a 87% average), Physics II honors, Algebra 2/trig are prerequisites and teacher's approval is needed.

TEKS

§112.63, <http://www.tea.state.tx.us/rules/tac/chapter112/ch112d.html#112.63>

College Board's AP Course Description for Chemistry

http://www.collegeboard.com/ap/pdf/cd_chemistry_02-03.pdf

PHYSICS II HONORS Grades 11, 12 1 Credit SEM:B PREREQ APP

This course examines the theories and methods of classical and modern physics, including historical development and experimental foundations: motion, dynamics, energy and momentum, wave theory, light, heat, electricity and magnetism, atomic structure and radioactivity. Prerequisites are Physics I or equivalent, Chemistry and Algebra 2/Trig. Both the Chemistry and Algebra 2/Trig grade must be 83 or higher for the semester just prior to the enrollment request. Chemistry teacher's recommendation is also required.

TEKS critique

The Physics course includes all elements of the TEKS. Approximately forty percent of the instructional time of the class is devoted to lab preparation, investigation, and analysis. In addition to the TEKS criteria, many of the laboratory investigations are conducted using electronic data sensors interfaced with laptop computers. The data is acquired and analyzed with the aid of software designed for Physics laboratory experiments. Additional topics beyond the TEKS, we introduce the theory of relativity, the philosophy of science as a way of obtaining knowledge, and time permitting, radioactivity and nuclear reactions.

§112.47, <http://www.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.47>

ANATOMY & PHYSIOLOGY Grades 11, 12 1 Credit SEM:B PREREQ APP

This is an upper division science course that covers a variety of topics that include histology, pharmacology, comparative anatomy, organ physiology, and developmental biology. Students will also be exposed to medical terminology and procedures through dissections, microscopy, and presentations. Furthermore, students will use critical thinking skills to make informed decisions about health, fitness, and pathology. Biology and Chemistry are prerequisites.

TEKS critique

§112.71 (a), <http://www.tea.state.tx.us/rules/tac/chapter112/ch112d.html#112.71>

ECOLOGY Grades 10, 11, 12 1 Credit Summer APP

This course is offered only during the summer. This is an introductory course to ecosystems and interactions of organisms within them. An emphasis will be placed on ecosystems associated with the Texas Hill Country and South Texas Brush Country. Therefore, fieldwork will be conducted in state parks that are found within those regions. Research methods in wildlife biology, watersheds, range management, and forestry will be examined. Course may be repeated for further credit. One year of science is a prerequisite and teacher's approval is needed.

TEKS

§123.63, <http://www.tea.state.tx.us/rules/tac/ch123.html#s12363>

Engineering

ENGINEERING DRAFTING I Grades 11, 12 1 Credit SEM: B APP PROVenr

This course is background for engineering, science and architecture. The course covers drafting instruments, lettering, orthographic projection, geometric construction, dimensioning, auxiliary views, sheet metal layout, sectioning, perspectives or detail and assembly drawings. Algebra and Geometry are prerequisites. Recommendation of Geometry and Chemistry or Physics instructors is required. Co-requisite of Physics is required. Engineering teacher's approval is required.

TEKS

§123.63, <http://www.tea.state.tx.us/rules/tac/ch123.html#s12363>

ENGINEERING II HONORS Grades 11, 12 1 Credit SEM: B APP PREREQ HONORS PROVenr

This course includes proficiency in Computer Aided Design using AutoCAD® program on a personal computer. Assignments in orthographic projection, geometric construction, auxiliary views, revolutions, gears, maps, sectioning, dimensioning, rendering or detail and assembly drawing are accomplished. Engineering I is a prerequisite. Engineering teacher's approval is required. Engineering Honors II fulfills the second one-half (½) credit requirement in computer science/technology coursework. This course is often assumed to have been taken by architecture and engineering colleges prior to enrollment in those schools.

Foreign Languages

TEKS critique

Since the TEKS for foreign language are not broken down by language, only by ability level (novice, intermediate, advanced), the foreign language department has crafted a department-wide response:

The foreign language programs generally mirror the standards presented in the TEKS. At all levels, the students experience to some degree the knowledge and skills of communication, culture, connection, comparison, and community. Each separate language develops these skills according to the needs and requirements of the specific language. French and Spanish place more emphasis upon the spoken language in order to prepare the students to experience a different culture whereas Latin places emphasis upon pronunciation, listening, reading, and translating. All language areas give attention to the grammar through translation, reading, and writing. In addition, at the upper levels, the students are required to do some research on the particular countries and cultures they study.

§114.22, <http://www.tea.state.tx.us/rules/tac/chapter114/ch114c.html>

Classical Language

LATIN I HONORS Grades 9, 10, 11 1 Credit SEM:B

This course covers the fundamentals of Latin grammar and the basic classical vocabulary. The syntax and etymology of Latin and English are contrasted. The influence of Greco-Roman heritage on contemporary civilization is covered. Students learn the distinction between classical and Italian (Church) Latin pronunciation. A heavy emphasis is placed on developing English grammar and vocabulary through the study of Latin roots and syntax.

LATIN II HONORS Grades 10, 11, 12 1 Credit SEM:B PREREQ APP

This is a continuation of Latin I, with more challenging readings, a widening vocabulary base, and more complex parts of grammar, including subjunctive mood. Latin I is a prerequisite, plus approval of the teacher.

LATIN III HONORS: LATIN LITERATURE Grades 11, 12 1 credit SEM:B PREREQ APP

Latin Lit builds upon the fundamentals established in Latin I-II. The focus of the course is reading Cicero, with some experience of other Latin authors and poets. More complex grammatical structures will be introduced, vocabulary building will be emphasized, and there will be some practice in Latin composition. Latin II H is a prerequisite along with approval of the teacher.

LATIN IV AP-VERGIL Grades 11, 12 1 Credit SEM:B PREREQ APP AP

Will be offered in 2009-2010. [Note: A standardized Advanced Placement exam must be taken by all participants in May.] This course is an intensive reading of the Aeneid of Vergil, with emphasis on the first six books in Latin; the last six books will be read in English. Emphasis will be grammatical structures, figures of speech, and mythological references. Some emphasis will be on the nature of the epic and its historical importance for the Roman Empire. Latin II is a prerequisite, plus approval of the instructor.

College Board's AP Course Description for Latin
http://www.collegeboard.com/ap/pdf/cd_latin_02-03.pdf

Modern Language

SPANISH I Grades 9, 10, 11 1 Credit SEM: B PLACE

This course is an introductory study of Castilian Spanish as a second language. It develops listening, speaking, reading and writing skills through the study of Spanish vocabulary and grammar. A strong emphasis is placed on the culture of the Spanish-speaking world.

SPANISH I PRE-AP Grades 9, 10, 11 1 Credit SEM:B PLACE

This is an accelerated Spanish I course, designed for students with some skill in Spanish. The course will increase the student's vocabulary and understanding of grammar. It will develop the student's reading, writing and speaking abilities. Summer reading is required and the textbook will be issued to the student prior to the conclusion of the current school year. Students must be prepared to discuss the summer reading on the first full day of the Fall term.

SPANISH II Grades 9, 10, 11 1 Credit SEM:B PREREQ

In this course students improve their communications skills through listening, speaking, reading and writing. They also improve their understanding of Hispanic culture and heritage in the world.

SPANISH II PRE-AP Grades 10, 11 1 Credit SEM: B PREREQ HONORS

This course develops a high level of proficiency and a comprehensive knowledge of vocabulary and grammar. Classes are conducted primarily in Spanish. Students apply previously learned material in new and original contexts. Students develop an extensive understanding of Hispanic cultures through reading and discussion. Summer reading is required and the textbook will be issued to the student prior to the conclusion of the current school year. Students must be prepared to discuss the summer reading on the first full day of the Fall term.

SPANISH III Grades 11, 12 1 Credit SEM: B PREREQ

Spanish III is a comprehensive review of grammar with special emphasis on structures that are particularly troublesome (*ser vs. estar, preterit vs. imperfect, indicative vs. subjunctive ...*). Students read short stories in Spanish and participate in oral activities in the classroom. The course emphasizes writing, listening and reading comprehension. This is the terminal course in the Non-AP sequence and is college preparatory.

SPANISH III PRE-AP Grade 11 1 Credit SEM:B PREREQ HONORS

This accelerated course is taught entirely in Spanish to develop fluency. Developing comprehension, refining writing skills, reviewing grammatical concepts and introducing complex structures characterize the course. Reading will include excerpts from Spanish literature and current journal articles. Students will be encouraged to communicate entirely in Spanish. Summer reading is required and the textbook will be issued to the student prior to the conclusion of the current school year. Students must be prepared to discuss the summer reading on the first full day of the Fall term.

SPANISH LANGUAGE AP Grade 12 1 Credit SEM: B PREREQ AP

[Note: A standardized Advanced Placement exam must be taken by all participants in May.]

This course parallels the skill development of a third-year college Spanish course in advanced composition and conversation. It focuses on mastering listening, speaking, reading and writing skills rather than the content of specific texts. Class participation develops communications skills. Students will use realia from Latin America and Spain to further develop comprehension and writing skills. Selection for this course requires instructor approval.

J.R.O.T.C.

JROTC constitutes our physical education, civic education and leadership introduction sequence. Students who successfully complete ROTC III & IV will be assigned ½ credit of Health and will satisfy the second ½ credit requirement in computer science.

J.R.O.T.C. I (LET I) Grade 9 1 Credit SEM:BA

This course introduces the R.O.T.C. program, the concepts of leadership and citizenship, and the traditions of military courtesy to develop personal and small group relationship skills. It teaches military unit organization (squad, platoon, company, battalion). It also includes basic skills of first aid, map reading, communications, and study skills. The Cadet Challenge advocates the balanced diet and regular exercise of a healthy lifestyle. (Freshman band members are assigned R.O.T.C. band battalion, which places them in the military marching band, and requires one day of drill after school each week) R.O.T.C. I satisfies one P.E. credit.

J.R.O.T.C. II (LET II) Grade 10 1 Credit SEM:BA

This course is designed to develop intermediate leadership skills, basic first aid, topography, studying and teaching skills, techniques of oral communication, drug awareness, citizenship and American history. It also teaches military customs, traditions and activities that will enhance opportunities for those students interested in military academies and college ROTC programs, provide background for general courtesies and information of value to any citizen about our military forces. (Sophomore band members are assigned to the ROTC Band Battalion, which places them in the military marching band, and requires one day of drill after school each week.) ROTC II satisfies a second PE credit.

J.R.O.T.C. III HONORS Grade 11 1 Credit SEM:BA APP

This junior-year elective teaches advanced leadership principles and techniques, focusing on the development of personal skills. It continues communications instruction, so that junior officers and non-commissioned officers may carry out leadership duties, including drills and ceremonies, performance counseling, and classroom teaching. It also teaches management planning and coordination, and presents educational and career opportunities after high school. It includes advanced instruction in Health topics (general wellness, nutrition, Cadet Challenge). (Juniors in band are assigned R.O.T.C. III band battalion.) Approval of the Senior Army Instructor is required. Note that this course meets every day so that health & computer science requirements may be completed.

J.R.O.T.C. IV HONORS Grade 12 1 Credit SEM:BA APP

This senior-year elective explores the psychology of leadership and management; cadets then apply these skills at the company, battalion, and brigade levels. Cadets resolve unit leadership problems as part of their performance learning. The historical role of the Army in developing our country completes four years of citizenship training. The course also teaches staff functions and management techniques which cadets perform as necessary. Cadets learn public speaking by teaching a variety of classes. Cadets run the Cadet Challenge subcourse for underclassmen. Cadets may combine 4 year health issues with independent study under direction of LET 4 Instructor. (Senior band members are assigned R.O.T.C. IV band battalion.) Approval of the Senior Army Instructor is required. Note that this course meets every day so that health & computer science requirements may be completed.

Physical Education

ATHLETIC PHYSICAL EDUCATION Grades 10, 11, 12 ½ Credit SEM:E APP

This course emphasizes education in physical conditioning, health and nutrition, preparatory to participation in team or individual competitive sports. Approval of the coaching staff is required. Athletes whose schedules do not permit participation during the school day for credit will achieve their conditioning in after-school hours.

Fine Arts

All courses meet Fine Arts requirement (1 credit required for all diplomas).

ART I Grades 9, 10, 11, 12 ½ Credit SEM:1

This course is designed to promote an appreciation of and interest in the visual arts. Students will develop skills in drawing, painting, and the plastic arts.

TEKS critique

The TEKS analysis is for all four art studio classes:

TEKS – perception: Almost daily we discuss the connection with visual arts and the environment, making interpretations through our various projects in sculpture, drawing, and painting.

TEKS – creative expression: In our Arts/Ceramics classes, we aim for each student to create with various art media, demonstrating the technical skills taught, with aesthetic understanding and to effectively convey intended purpose and meaning.

TEKS – response-evaluation: Often we have individual and group discussion where each student may respond to his work, analyze how the technical and aesthetic merits convey his purpose and meaning and apply this knowledge to improve on their work. Also, the student self assessment sheet serves this purpose.

TEKS – historical cultural heritage: We try to examine, analyze, and discuss the connection between the visual arts and the philosophical, political, social, and economic ethos of the culture in which the art was created. We do historical overviews focusing more on Latin American History and Art (Mayan, Aztec, Olmec, Ecuadorian, Peruvian). We touch some on medieval, Gothic, Egyptian art, and smaller parts of Native American, American Modern, and Texas art.

§117.52, <http://www.tea.state.tx.us/rules/tac/chapter117/ch117c.html>

ART II Grades 9, 10, 11, 12 ½ Credit SEM:2

This course is an exploration of other areas of design, self-expression, and various media. Emphasis is placed on art history, three-dimensional design, perspective and developing a portfolio. Art I is not a prerequisite for this course.

CERAMICS I Grades 10, 11, 12 ½ Credit SEM: 1

An introduction to simple sculpture and hand-building clay techniques, especially pre-Columbian style construction of vessels. Students learn simple glazing techniques and how to load and fire a kiln.

CERAMICS II Grades 10, 11, 12 ½ Credit SEM: E APP

This course is designed to follow Ceramics I, which is not a pre-requisite, however. There will be more emphasis on research, Art History and creating art pieces for exhibits and competitions.

THEATER PRODUCTION Grades 9, 10, 11, 12 ½ Credit SEM: E PROVonly

This course involves participation in a theatrical production. Students participate in rehearsal and performance aspects of a theatrical production. Attendance at a prescribed number of rehearsal/performance hours and a written rehearsal journal will determine grade given at the end of the production process. Students may alternately attend the Providence theater class.

TEKS

§117.60, <http://www.tea.state.tx.us/rules/tac/chapter117/index.html>

READING THE MOVIES Grade 12 1/2 Credit SEM: E APP

This is a course which focuses on the various aspects of cinema such as plot, theme, setting and character. This course will relate how a director conveys these common literary concepts in film in ways similar to how a writer conveys them in print. This course will enable students to work cooperatively, to utilize technology, to appreciate multiple art forms, and to become critical thinkers and problem solvers. Selection for this course requires instructor approval. One semester fulfills 1/2 credit for Fine Arts requirement.

TEKS Critique

§110.49, <http://ritter.tea.state.tx.us/rules/tac/chapter110/ch110c.html#110.49>

CHORUS Grades 9, 10, 11, 12 ½ Credit SEM: E

The CCHS Chorus is the primary vocal performing ensemble of the school. The Chorus represents the school in concerts and public performances throughout the school year. The Chorus is a vocal ensemble dedicated to performing quality, appropriate music from the standard choral repertoire. In addition to musical development, chorus members will become part of a cohesive body whose purpose is to gift the community through the creation of beautiful choral ensemble music. Each semester fulfills 1/2 credit for Fine Arts requirement.

TEKS Critique

The TEKS analysis is for all four Chorus classes:

§117.60, §117.61, §117.62, §117.63, <http://ritter.tea.state.tx.us/rules/tac/chapter117/ch117c.html#117.60>

MUSIC AND CULTURE Grade 11, 12 1/2 Credit SEM: E

This course is designed to introduce students to musical styles, uses and approaches in various cultures around the world. These styles are explored by studying their place in religion, on stage, in dance, through celebrations, and even in movies. Application of this knowledge will be assessed through each student's performance on his instrument of choice. Note: It is preferred that students be proficient in one instrument or have had some vocal instruction. One semester fulfills 1/2 credit for Fine Arts requirement.

TEKS Critique

§117.63, <http://ritter.tea.state.tx.us/rules/tac/chapter117/ch117c.html#117.60>

BEGINNERS' BAND/Brass

BEGINNERS' BAND/Percussion

BEGINNERS' BAND/Woodwinds GRADES 9, 10 1 Credit SEM: B PROVenr

These courses for beginning instrumentalists require no previous experience. They teach proper handling and care of the chosen instrument, plus pitch, time, scales, intervals, sight-reading, dynamics, and public performance. Students procure their own instruments or rent them from local music dealers. As preparation for Advanced Band, these courses require practice and performance outside school hours.

ADVANCED BAND Grades 9, 10, 11, 12 1 Credit SEM: B APP PROVenr

As the school's instrumental performance group, members start as a marching band, then become a symphonic band when football season ends. Besides performing at assemblies, parades, and concerts, students participate in smaller groups: stage band, brass choir, and woodwind choir. There are also several individual and group competitive events during the school year, as well as a summer band camp. A variety of music is studied. Practice and performances after school are required, as is approval of the Band Director.

TEKS

§117.61-3, <http://www.tea.state.tx.us/rules/tac/chapter117/index.html>

Other Fine Arts opportunities include: Creative Writing, and Journalism–photography specialization.

Leadership

LEADERSHIP PRINCIPLES AND PRACTICE Grade 12 Pass / Fail SEM: E APP

This course focuses on the principles of leadership as they pertain to the role of elected officers. Concepts of planning, organizing, facilitating, and monitoring various activities and events will be taught. Course objectives include training in a wide variety of areas, such as communication skills, listening skills, problem-solving techniques, decision-making options, and group dynamic influences. Students gain familiarity with planning and organizational software and multi-media presentation management. This course will help enhance the self-concept and sense of responsibility of the students. Students served will have a more positive and productive experiences at school as well as helping them adjust to the school and its culture. The course is designed specifically for elected school leaders, such as Student Council leaders.



CENTRAL CATHOLIC
— HIGH SCHOOL —

A Marianist College Preparatory Institution, 1852 · San Antonio, Texas

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