



CONWELL-EGAN

CATHOLIC HIGH SCHOOL

ACADEMIC CATALOG

**SCHOOL YEAR:
2025-2026**

Office of Academics
Jordan Schiavo
Assistant Principal for Academic Affairs



COURSE SELECTION PROCESS

- Course selection is done through PowerSchool in the spring each year. In consultation with their teachers, parents, guidance counselors, and the Assistant Principal for Academic Affairs, students may request their courses for the following academic year. In doing so, much consideration ought to be given to completion of prerequisite courses, teacher/department chair recommendations, student placement, and projected student ability based on past/current performance in students' classes. Additionally, individual student potential, interests, needs, aptitudes, and achievements are critical points of emphasis in course selection.

COURSE DESCRIPTIONS: THEOLOGY

Academic Department: THEOLOGY		Course Description:
Course Information:		<p>Semester 1: <i>The Revelation of Jesus Christ in Scripture:</i> This course helps students understand the Sacred Scriptures. The Bible is the word of God where they encounter the living Word of God, Jesus Christ. Students will learn about the Bible, its development and content, and how God is its author. Students focus on the Gospels, where they grow to know and love Jesus more personally.</p> <p>Semester 2: <i>Who is Jesus Christ?:</i> This course helps students understand the person and message of Jesus Christ. He is the living Word of God, the Second Person of the Blessed Trinity. He is the ultimate Revelation about God, from God. Students penetrate the mystery of the person of Jesus and who he called them to be.</p>
Course Title	Theology I	
Course Number(s)	CE1121/CE1111	
Track(s)	College Prep (CP)/Honors (H)	
Grade Level	9th	
Credits	1.0	

Academic Department: THEOLOGY		Course Description:
Course Information:		<p>Semester 1: <i>The Mission of Jesus Christ (The Paschal Mystery):</i> This course helps students understand all that God has done for humanity through his Son, Jesus Christ. God has planned, from all eternity, for human beings to share everlasting happiness with him. This is accomplished only through redemption in Christ. Students inquire about the meaning of being a disciple of Christ.</p>
Course Title	Theology II	
Course Number(s)	CE1221/CE1211	
Track(s)	College Prep (CP)/Honors	



	(H)	Semester 2: <i>Jesus Christ's Mission Continues in the Church:</i> This course helps students understand that they encounter the living Jesus Christ in and through the Church. The Church was founded by Christ through the Apostles. It is sustained by him through the Holy Spirit. The Church is the living Body of Christ. Students explore the Church as a mystery that has both human and divine elements.
Grade Level	10th	
Credits	1.0	

Academic Department: THEOLOGY		Course Description:
Course Information:		Semester 1: <i>Sacraments as Privileged Encounters with Jesus Christ:</i> This course helps students understand that they can meet Christ today in and through the sacraments. Each sacrament, particularly the Eucharist, is a means to a full and real encounter with Christ. Students examine each sacrament in detail so as to learn how they may encounter Christ throughout life. Semester 2: <i>Life in Jesus Christ:</i> This course helps students understand moral life. Only in Christ can human beings discover the fullness of life. Christ's disciples follow and adhere to the moral concepts and precepts of Christ and his Church. Students probe these moral teachings and reflect upon their implications
Course Title	Theology III	
Course Number(s)	CE1321/CE1311	
Track(s)	College Prep (CP)/Honors (H)	
Grade Level	11th	
Credits	1.0	

Academic Department: THEOLOGY		Course Description:
Course Information:		Semester 1: <i>Ecumenical and Interreligious Issues:</i> The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelations, students will recognize the ways in which important spiritual truths can also be found in non-Catholic churches as well as in non-Christian religions. It is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith.
Course Title	Theology IV	
Course Number(s)	CE1421/CE1411	
Track(s)	College Prep (CP)/Honors (H)	
Grade Level	12th	



Credits	1.0	<p>Semester 2: <i>Sacred Scripture</i>: The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Every effort is made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God’s action in this record of his Revelation, and his desire to share his merciful love with us. All scripture is inspired by God and is useful for teaching, for refutation, for correction, and for training in righteousness, so that one who belongs to God may be competent, equipped for every good work. (2 Tm 3:14-17)</p>
---------	-----	--

Academic Department: THEOLOGY	Course Description:										
<p>Course Information:</p> <table border="1" style="width: 100%;"> <tr> <td>Course Title</td> <td>Great Thinkers of the Catholic Church</td> </tr> <tr> <td>Course Number(s)</td> <td>TBD</td> </tr> <tr> <td>Track(s)</td> <td>Honors (H)</td> </tr> <tr> <td>Grade Level</td> <td>12th</td> </tr> <tr> <td>Credits</td> <td>1.0</td> </tr> </table>	Course Title	Great Thinkers of the Catholic Church	Course Number(s)	TBD	Track(s)	Honors (H)	Grade Level	12th	Credits	1.0	<p>This course explores Church History through the lens of significant theologians and prominent figures in Catholic Church history, stretching across four distinct periods. Students will engage with primary texts, analyze theological concepts, and understand the historical contexts that shaped each thinker’s work.</p>
Course Title	Great Thinkers of the Catholic Church										
Course Number(s)	TBD										
Track(s)	Honors (H)										
Grade Level	12th										
Credits	1.0										

COURSE DESCRIPTIONS: ENGLISH/LANGUAGE ARTS

Academic Department: English Language Arts (ELA)	Course Description:				
<p>Course Information:</p> <table border="1" style="width: 100%;"> <tr> <td>Course Title</td> <td>ELA I</td> </tr> <tr> <td>Course Number(s)</td> <td>CE2131/CE2121/CE2111</td> </tr> </table>	Course Title	ELA I	Course Number(s)	CE2131/CE2121/CE2111	<p>English Language Arts I is a required course for all ninth grade students. Based on the National Common Core Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.</p>
Course Title	ELA I				
Course Number(s)	CE2131/CE2121/CE2111				

Track(s)	Academic (Acad)/College Prep (CP)/Honors (H)	<p>Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Using the full writing process, students will learn how to produce and distribute quality writing to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various literary Genre studies.</p>
Grade Level	9th	
Credits	1.0	
NCAA Approved		

Academic Department: English Language Arts (ELA)	Course Description:														
<p>Course Information:</p> <table border="1"> <tr> <td>Course Title</td> <td>ELA II</td> </tr> <tr> <td>Course Number(s)</td> <td>CE2221/CE2211</td> </tr> <tr> <td>Track(s)</td> <td>College Prep (CP)/Honors (H)</td> </tr> <tr> <td>Grade Level</td> <td>10th</td> </tr> <tr> <td>Credits</td> <td>1.0</td> </tr> <tr> <td colspan="2">NCAA Approved</td> </tr> <tr> <td colspan="2"></td> </tr> </table>	Course Title	ELA II	Course Number(s)	CE2221/CE2211	Track(s)	College Prep (CP)/Honors (H)	Grade Level	10th	Credits	1.0	NCAA Approved				<p>A required course for all tenth grade students. Based on the National Common Core Standards, this course provides students with the skills and knowledge to become advanced critical readers and writers by analyzing multiple themes, interpretations, and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.</p> <ul style="list-style-type: none"> ○ Reinforcing and expanding the writing objectives of the freshman year, this course will develop the student's writing skills by examining text types and purposes. Students will write arguments to support claims in an analysis of substantive topics. Students will write explanatory/informational texts to examine and convey complex ideas. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in World and British Literature.
Course Title	ELA II														
Course Number(s)	CE2221/CE2211														
Track(s)	College Prep (CP)/Honors (H)														
Grade Level	10th														
Credits	1.0														
NCAA Approved															



Academic Department: English Language Arts (ELA)		Course Description:
Course Information:		English Language Arts III is a required course for all eleventh grade students. Based on the National Common Core Standards, this course will develop the student’s writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology’s capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students’ knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in American studies.
Course Title	ELA III	
Course Number(s)	CE2321/CE2311	
Track(s)	College Prep (CP)/Honors (H)	
Grade Level	11th	
Credits	1.0	
NCAA Approved		

Academic Department: English Language Arts (ELA)		Course Description:
Course Information:		Advanced Placement English Language is designed for students who wish to earn college credits in English while still in secondary school. The course is designed for students who are interested in studying and writing using various rhetorical strategies and devices in preparation for effective literature and writing courses in college. Extensive reading, discussions and analysis of non-fiction writers are important components of this course. Additionally, preparation for the Advanced Placement exam will be provided throughout the course. All students rostered for this class are required to pay for and take the AP exam.
Course Title	AP Language & Composition	
Course Number(s)	CE2351	
Track(s)	Advanced Placement (AP)	
Grade Level	11th	
Credits	1.0	
NCAA Approved		
		<p>Prerequisites: All of the following criteria will be taken into consideration when determining class placement:</p> <ul style="list-style-type: none"> ● 95 or higher in Honors ELA II ● Cumulative class rank ● Renaissance STAR Assessment scores ● Teacher Recommendation/Dept. Chair approval ● Students must also sit for a writing sample.

Academic Department: English Language Arts (ELA)		Course Description:
Course Information:		<p>English Language Arts IV is a required course for all 12th grade students. Reinforcing and expanding the writing objectives of the junior year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in Contemporary American Literature, World Literature, and British Literature.</p>
Course Title	ELA IV	
Course Number(s)	CE2421/CE2411	
Track(s)	College Prep (CP)/Honors (H)	
Grade Level	12th	
Credits	1.0	
NCAA Approved		

Academic Department: English Language Arts (ELA)		Course Description:
Course Information:		<p>Advanced Placement English Literature is designed for students who wish to earn college credits in English while still in secondary school. Students are involved in both the study and practice of writing and the study of literature. Writing assignments focus on the critical analysis of literature and include essays in exposition and persuasion. With the desired goal of honest, effective use of language and the organization of ideas in a clear, coherent, and persuasive way, students study and write in response to several representative works from various genres and periods.</p> <p>Prerequisites: AP Language and Teacher Recommendation. *Prerequisite/considerations for Honors ELA III student to request AP Literature as a senior:</p>
Course Title	AP Literature & Composition	
Course Number(s)	CE2451	
Track(s)	Advanced Placement (AP)	
Grade Level	12th	
Credits	1.0	
NCAA Approved		

	95 or higher in H. ELA III; Teacher recommendation; writing sample; Renaissance STAR Assessment scores; AP Teacher and/or Dept. Chair approval.
--	---

Academic Department: English Language Arts (ELA)	Course Description:	
Course Information:	Based on the learn-by-doing model, this year-long, intensive writing class will concentrate on the various genres of creative writing such as poetry and short stories. Students will be required to write several compositions each quarter, share work with the class and participate in peer revision workshops. They will get real world writing and publication design experience, writing for Conwell-Egan’s literary magazine. Prerequisite: Students must submit a piece of creative writing. <i>This class does not replace the ELA III or ELA IV requirements.</i>	
Course Title		Creative Writing
Course Number(s)		2441
Track(s)		Honors (H)
Grade Level		11th/12th
Credits		1.0
NCAA Approved		

COURSE DESCRIPTION: MATHEMATICS

Academic Department: MATHEMATICS	Course Description:	
Course Information:	Based on the National Common Core Standards, students taking Algebra I will examine structure in equations, will perform arithmetic with polynomials, and will create equations that describe numbers or relationships. Students will reason with equations and inequalities abstractly and quantitatively, will solve systems of equations and will represent and solve equations and inequalities graphically. Students will construct viable arguments for their reasoning and critique the reasoning of others. <ul style="list-style-type: none"> ● <u>A graphing calculator is required.</u> 	
Course Title		Algebra I
Course Number(s)		CE4131/CE4121/CE4111
Track(s)		Academic (Acad)/College Prep (CP)/Honors (H)
Grade Level		9th/10th
Credits		1.0
NCAA Approved		



Academic Department: MATHEMATICS		Course Description:
Course Information:		<p>Based on the National Common Core Standards, students taking Algebra II will interpret and build functions; analyze functions using various representations; construct and compare linear and polynomial models; and solve problems. Abstract and quantitative reasoning; construction of viable arguments; and critique reasoning of others will also be instructed.</p> <ul style="list-style-type: none"> • <u>A graphing calculator is required.</u> • <i>Prerequisite for H. Algebra II:</i> H. Algebra I and departmental approval • <i>Freshmen with exceptional results in Alg. I in 8th Grade may request Alg. II.</i> • <i>Department approval is required for sophomores who wish to take this course concurrently with Geometry (aka "Double Math").</i>
Course Title	Algebra II	
Course Number(s)	CE4231/CE4221/CE4211	
Track(s)	Academic (Acad)/College Prep (CP)/Honors (H)	
Grade Level(s)	9th/10th/11th	
Credits	1.0	
NCAA Approved		

Academic Department: MATHEMATICS		Course Description:
Course Information:		<p>Based on the National Common Core Standards, students taking Geometry will experiment with transformations in the plane, will prove geometric theorems, and will make geometric constructions. Students will understand similarity, right triangles, and trigonometric ratios. Students will understand and apply theorems about circles, will express geometric properties with equations, and will use geometric measurement and dimension to solve problems. Students will reason abstractly and quantitatively and will construct viable arguments and critique the reasoning of others.</p> <ul style="list-style-type: none"> • <i>Prerequisite for H. Geometry:</i> H. Algebra I or departmental approval
Course Title	Geometry	
Course Number(s)	CE4331/CE4321/CE4311	
Track(s)	Academic (Acad)/College Prep (CP)/Honors (H)	
Grade Level(s)	9th/10th/11th	
Credits	1.0	
NCAA Approved		

Academic Department: MATHEMATICS		Course Description:
Course Information:		An in-depth study of topics introduced in Algebra 2 is undertaken and new advanced mathematical concepts are



Course Title	Trigonometry/Precalculus	<p>studied. Polynomial, rational, exponential, logarithmic, trigonometric and other classes of functions are analyzed numerically, algebraically and graphically. The curves of trigonometry, trigonometric equations and applications, triangle trigonometry and advanced functions and graphing are studied. Students will engage in trigonometric functions, modeling periodic phenomena with trigonometric functions, and will prove and apply trigonometric identities. Data analysis, statistics, and discrete mathematics are explored. Mathematical modeling and applications are emphasized.</p> <ul style="list-style-type: none"> • <u>A graphing calculator required.</u> • <i>Pre-requisites: Algebra I & II and Geometry</i>
Course Number(s)	CE4421/CE4411	
Track(s)	College Prep (CP)/Honors (H)	
Grade Level(s)	11th/12th	
Credits	1.0	
NCAA Approved		

Academic Department: MATHEMATICS	Course Description:	
Course Information:	<ul style="list-style-type: none"> • AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, business, social science, and data science. Furthermore, as AP Precalculus may be the last mathematics course of a student's secondary education, the course is structured to provide a coherent capstone experience rather than exclusively focusing on preparation for future courses. • Throughout this course, students develop and hone symbolic manipulation skills, including solving equations and manipulating expressions, for the many function types throughout the course. Students also learn that functions and their compositions, inverses, and transformations are understood through graphical, numerical, analytical, and verbal representations, which reveal different attributes of the functions and are useful for solving problems in mathematical and applied contexts. In turn, the skills learned in this course are widely applicable to situations that involve quantitative 	
Course Title		AP Precalculus
Course Number(s)		CE4351
Track(s)		Advanced Placement (AP)
Grade Level(s)		11th/12th
Credits		1.0
NCAA Approved		

	<p>reasoning.</p> <ul style="list-style-type: none"> ● AP Precalculus fosters the development of a deep conceptual understanding of functions. Students learn that a function is a mathematical relation that maps a set of input values—the domain—to a set of output values—the range—such that each input value is uniquely mapped to an output value. Students understand functions and their graphs as embodying dynamic covariation of quantities, a key idea in preparing for calculus. With each function type, students develop and validate function models based on the characteristics of a bivariate data set, characteristics of covarying quantities and their relative rates of change, or a set of characteristics such as zeros, asymptotes, and extrema. These models are used to interpolate, extrapolate, and interpret information with different degrees of accuracy for a given context or data set. Additionally, students also learn that every model is subject to assumptions and limitations related to the context. As a result of examining functions from many perspectives, students develop a conceptual understanding not only of specific function types but also of functions in general. This type of understanding helps students to engage with both familiar and novel contexts.
--	--

<p>Academic Department: MATHEMATICS</p>	<p>Course Description:</p>										
<p>Course Information:</p> <table border="1" data-bbox="66 1566 795 1892"> <tr> <td>Course Title</td> <td>Financial Algebra</td> </tr> <tr> <td>Course Number(s)</td> <td>CE4721</td> </tr> <tr> <td>Track(s)</td> <td>College Prep (CP)</td> </tr> <tr> <td>Grade Level(s)</td> <td>12th</td> </tr> <tr> <td>Credits</td> <td>1.0</td> </tr> </table>	Course Title	Financial Algebra	Course Number(s)	CE4721	Track(s)	College Prep (CP)	Grade Level(s)	12th	Credits	1.0	<p>Building upon prior knowledge of math concepts from other courses, this course will take a step-by-step approach through strategies to help students learn the time value of money, how to build a business plan by knowing costs, profits, and break-even points, and how to evaluate contracts. This course will cover six financial umbrellas: Investing, Banking, Credit, Income Taxes, Insurance, and Household budgeting. This course will strengthen the student’s algebra mechanics and problem-solving skills, while touching upon selected advanced mathematical topics, such as piecewise functions, regression, limits, exponential functions, linear/quadratic systems, and more.</p>
Course Title	Financial Algebra										
Course Number(s)	CE4721										
Track(s)	College Prep (CP)										
Grade Level(s)	12th										
Credits	1.0										

NCAA Approved	<ul style="list-style-type: none"> • <u>A graphing calculator is required for this course.</u> • <i>Pre-requisites: Algebra I and Algebra II</i>
----------------------	--

Academic Department: MATHEMATICS	Course Description:	
Course Information:	<p>This course is designed to be an introduction to statistics. Descriptive statistics, probability, discrete probability distributions, and normal probability distributions will be covered. Additional topics of correlations and regression equations will also be examined.</p> <ul style="list-style-type: none"> • <u>A graphing calculator is required.</u> • <i>Pre-requisites: Algebra I and II and Geometry; departmental approval</i> 	
Course Title		Statistics
Course Number(s)		CE4621/CE4611
Track(s)		College Prep/Honors
Grade Level(s)		12th
Credits		1.0
NCAA Approved		

Academic Department: MATHEMATICS	Course Description:	
Course Information:	<ul style="list-style-type: none"> • The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. 	
Course Title		AP Statistics
Course Number(s)		CE4601
Track(s)		Advanced Placement
Grade Level(s)		11th/12th
Credits		1.0
NCAA Approved		

Academic Department: MATHEMATICS	Course Description:
---	----------------------------

Course Information:		<p>This Advanced Placement course adheres to the guidelines for the Calculus AB level mandated by the College Board and culminates in the students taking the Advanced Placement Calculus Exam offered by the College Board in May for college credit. The course includes a rigorous study of the differential and integral calculus with applications, including limits, continuity, maxima and minima, optimization, with some advanced techniques of differentiation and integration. Students are required to take the College Board exam. <u>A graphing calculator is required.</u> Students are required to take the AP Examination regardless of the course grade.</p> <ul style="list-style-type: none"> • <i>Pre-requisites: H. Trig/Precalculus, placement test, and Teacher recommendation.</i>
Course Title	AP Calculus AB	
Course Number(s)	CE4551	
Track(s)	Advanced Placement (AP)	
Grade Level(s)	11th/12th	
Credits	1.0	
NCAA Approved		

Academic Department: MATHEMATICS	Course Description:	
Course Information:	<p>AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.</p> <ul style="list-style-type: none"> • <u>A graphing calculator is required for this course.</u> • <i>Pre-requisites: AP Calculus AB</i> 	
Course Title		AP Calculus BC
Course Number(s)		CE4561
Track(s)		Advanced Placement (AP)
Grade Level(s)		12th
Credits		1.0
NCAA Approved		

COURSE DESCRIPTIONS: SCIENCE

Academic Department: SCIENCE	Course Description:
Course Information:	<p>This course develops five biological themes: interaction, evolution of life processes, energy utilization, regulation, and coordination. Laboratory investigations are incorporated to stimulate inquiry or to develop critical</p>
Course Title	



Course Number(s)	CE5111	<p>thinking. Recognizing the universal relationship of structure and function on all levels of complexity and emphasizing the fundamental unity in the diversity of all life forms, Honors Biology pursues the study of: biological molecules; cellular structure and function; Mendelian and molecular genetics; and the three domain classifications including botany and zoology. Emphasis is placed on strengthening the abilities to organize, interpret, and communicate data gathered in research that prepares students for further scientific endeavors.</p> <ul style="list-style-type: none"> • Lab included/required once per week.
Track(s)	Honors (H)	
Grade Level(s)	9th	
Credits	1.0	
NCAA Approved		

Academic Department: SCIENCE	Course Description:												
<p>Course Information:</p> <table border="1"> <tr> <td>Course Title</td> <td>Biology</td> </tr> <tr> <td>Course Number(s)</td> <td>CE5121</td> </tr> <tr> <td>Track(s)</td> <td>College Prep (CP)</td> </tr> <tr> <td>Grade Level(s)</td> <td>9th</td> </tr> <tr> <td>Credits</td> <td>1.0</td> </tr> <tr> <td colspan="2">NCAA Approved</td> </tr> </table>	Course Title	Biology	Course Number(s)	CE5121	Track(s)	College Prep (CP)	Grade Level(s)	9th	Credits	1.0	NCAA Approved		<p>Designed to challenge the college bound student, this course, by means of scientific inquiries, guides the students toward a thorough understanding of the following biological topics: plant and animal systems energy, biological molecules, evolution, genetics, cell biology and ecology.</p>
Course Title	Biology												
Course Number(s)	CE5121												
Track(s)	College Prep (CP)												
Grade Level(s)	9th												
Credits	1.0												
NCAA Approved													

Academic Department: SCIENCE	Course Description:								
<p>Course Information:</p> <table border="1"> <tr> <td>Course Title</td> <td>AP Biology (with Lab)</td> </tr> <tr> <td>Course Number(s)</td> <td>CE5460</td> </tr> <tr> <td>Track(s)</td> <td>Advanced Placement (AP)</td> </tr> <tr> <td>Grade Level</td> <td>11th/12th</td> </tr> </table>	Course Title	AP Biology (with Lab)	Course Number(s)	CE5460	Track(s)	Advanced Placement (AP)	Grade Level	11th/12th	<p>This course will take two periods on the student's roster (one for instruction, one for lab). This option will have an overwhelming effect on a student's other course requests, as this course will be given top priority. Advanced Placement Biology is designed to challenge the above-average student who is interested in gaining advanced placement credit for biology. The course outline may be found in the Advanced Placement Biology Guide as published by the College Board. Topics include: cell</p>
Course Title	AP Biology (with Lab)								
Course Number(s)	CE5460								
Track(s)	Advanced Placement (AP)								
Grade Level	11th/12th								

Credits	1.0	biology, molecular biology, molecular evolution, botany, zoology, ecology and classification. NOTE: Students must have teacher recommendation and completion of Chemistry, Biology, and Algebra I & II.
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>This course provides an enriched chemistry program for the college bound student and for those in honors courses. Chemical principles and concepts are developed through a lab- oriented approach. Special attention is given to the development of problem solving, understanding and skills, which provide a foundation for students who hope to pursue careers in science.</p> <ul style="list-style-type: none"> ● Prerequisite: H. Algebra I (80+ avg.) or CP Algebra I (90+ avg.) with Dept. Approval ● Honors Biology (85+ avg.) or CP Biology (90+ avg.) with Dept. Approval ● Lab included/required once per week. 	
Course Title		Chemistry
Course Number(s)		CE5211
Track(s)		Honors (H)
Grade Level(s)		10th
Credits		1.0
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>This course is designed to provide an overview of chemical principles for the average, college bound student. Topics studied include the properties and classification of matter, atomic structure, stoichiometry, chemical bonding, chemical reactions, and an introduction to organic chemistry. An emphasis is placed on developing problem-solving skills. Laboratory experiments are conducted to demonstrate and reinforce important principles and concepts.</p>	
Course Title		Chemistry
Course Number(s)		CE5221
Track(s)		College Prep (CP)
Grade Level(s)		10th
Credits		1.0
NCAA Approved		

Academic Department: SCIENCE		Course Description:
Course Information:		<p>The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as:</p> <ul style="list-style-type: none"> ● Atomic Structure and Properties ● Compound Structure and Properties ● Properties of Substances and Mixtures ● Chemical Reactions ● Kinetics ● Thermochemistry ● Equilibrium ● Acids and Bases ● Thermodynamics and Electrochemistry
Course Title	AP Chemistry	
Course Number(s)	CE5501	
Track(s)	Advanced Placement (AP)	
Grade Level(s)	11th/12th	
Credits	1.0	
NCAA Approved		

Academic Department: SCIENCE		Course Description:
Course Information:		<p>This course is algebra-based and provides the basic principles of physics and applies these concepts to global phenomena. Honors Physics is intended for college bound students who are planning to major in science, engineering, or medicine. Class time is generally devoted to lecture, problem solving, hands-on experiments, computer labs and class demonstrations. Reading of the textbook, problem solving and laboratory data interpretation are assigned as out of class activities. Topics include light, motion, heat, electricity, and magnetism.</p> <ul style="list-style-type: none"> ● <i>Prerequisite: Departmental approval and two years of Honors Math with grade no lower than an 80 and Honors Chemistry.</i> ● Lab included/required once per week.
Course Title	Physics	
Course Number(s)	CE5311	
Track(s)	Honors (H)	
Grade Level(s)	11th	
Credits	1.0	
NCAA Approved		

Academic Department: SCIENCE		Course Description:
Course Information:		Conceptual Physics is based more on the concepts of



Course Title	Physics	<p>physics as opposed to the more math-oriented Honors Physics course. Topics include light, motion, heat, electricity, and magnetism. This course in physics is designed for the average ability student who desires a background in physics for further technical school, college or other career-related education. Basic algebra and geometry are used to a significant extent. A laboratory component is integral to the course.</p>
Course Number(s)	CE5321	
Track(s)	College Prep (CP)	
Grade Level(s)	11th	
Credits	1.0	
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.</p>	
Course Title		AP Physics
Course Number(s)		CE5520
Track(s)		Advanced Placement (AP)
Grade Level		11th/12th
Credits		1.0
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>Environmental science is a multidisciplinary course that incorporates the study of other sciences. It also conceptualizes the interrelatedness of other factors such as economics, philosophy, ethics, policies, engineering, and economics among other disciplines. This course is designed to have students explore environmental</p>	
Course Title		Environmental Science
Course Number(s)		CE5021/CE5011

Track(s)	College Prep (CP)/Honors (H)	<p>principles, issues, and sustainable solutions for our planet. Through the use of case studies utilizing real world applications, documentaries, research articles, graphing and data analysis, and projects students will learn to investigate local and global environmental issues that are facing the world today. This is a more in-depth course that requires additional reading and research. Topics include, but are not limited to, interactions between environments and organisms, ecosystems and communities, population characteristics and issues, energy, biodiversity, agriculture, water management, air quality issues, climate.</p>
Grade Level(s)	11th/12th	
Credits	1.0	
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.</p>	
Course Title		AP Environmental Science
Course Number(s)		CE5551
Track(s)		Advanced Placement (AP)
Grade Level(s)		11th/12th
Credits		1.0
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>This course involves a detailed study of the structure and function of the human body. It is intended both to familiarize students with the operation of their own body and also to prepare those interested for further specialized work in a health-care field. Dissection of fixed materials is required.</p> <ul style="list-style-type: none"> ● Prerequisites: Biology and Chemistry. ● Lab included/required once per week for 	
Course Title		Anatomy & Physiology
Course Number(s)		CE5621/CE5611
Track(s)		College Prep (CP)/Honors (H)

Grade Level(s)	11th/12th	Honors section.
Credits	1.0	
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>The focus of the course is to acknowledge the tremendous impact that the advances in science have had on both criminal investigation and the ethical decisions we must make as informed citizens of the world. The course will cover the application of natural sciences to legal matters, Fingerprinting, DNA, blood spatter, hair and fiber analysis, insect metamorphosis as a tool to time of death, etc. The course emphasizes inquiry-based learning and problem solving.</p> <ul style="list-style-type: none"> • <i>Prerequisite: Biology and Chemistry</i> 	
Course Title		Forensics
Course Number(s)		CE5721
Track(s)		College Prep (CP)
Grade Level(s)		11th/12th
Credits		1.0
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>This course provides high school students with a general overview of athletic training, sports medicine and its history. It includes introductory information about the Athletic Trainer's scope of practice: injury prevention, treatment, rehabilitation, emergency injury management and administrative functions. This course is intended to help students gain an understanding of sports medicine, various associated disciplines and the role they play in the physically active community. Students enrolled in this class will not provide patient care.</p>	
Course Title		Sports Medicine
Course Number(s)		CE5521
Track(s)		College Prep (CP)
Grade Level(s)		12th
Credits		1.0

Academic Department: SCIENCE	Course Description:
-------------------------------------	----------------------------

Course Information:		<p>This class will introduce students to the iterative engineering process and fundamental engineering design principles. Students will learn to deconstruct complex problems and through guided examples create comprehensive design solutions. This is a foundation class and will cover basic drafting skills, strength of materials, statics, heat transfer and other foundation engineering subject areas.</p> <p>This course is designed to expose students to many different fields of engineering throughout the year as we explore various engineering subject areas, rather than delving deeply into any one area. This will allow students to get a general overview of the various engineering fields and identify areas of interest. The class will also include a hands-on aspect, as students will design and construct a piece of testing equipment for the engineering lab.</p>
Course Title	Engineering I	
Course Number(s)	CE5811	
Track(s)	Honors (H)	
Grade Level(s)	10th/11th/12th	
Credits	1.0	
NCAA Approved		

Academic Department: SCIENCE	Course Description:	
Course Information:	<p>This class is a continuation of the Engineering I curriculum in which students will work collaboratively on solving complex design problems. Students will draw on foundation engineering knowledge gained in Engineering I as new engineering subject areas are introduced. Students will learn to deconstruct complex problems and through guided examples create comprehensive design solutions. This is an advanced class and will expand on the subject areas covered in Engineering I and introduce Computer Aided Design (CAD), electrical circuits and basic computer programming as well as other engineering subject areas.</p> <p>This course is designed to expose students to many different fields of engineering throughout the year as we explore various engineering subject areas, rather than delving deeply into any one area. This will allow students to get a general overview of the various engineering fields and identify areas of interest. The class will also include a hands-on aspect, as students will design</p>	
Course Title		Engineering II
Course Number(s)		CE5911
Track(s)		Honors (H)
Grade Level(s)		11th/12th
Credits		1.0
NCAA Approved		

	<p>and construct a piece of testing equipment for the engineering lab.</p> <ul style="list-style-type: none"> • <i>Prerequisite: H. Engineering I</i>
--	--

COURSE DESCRIPTIONS: SOCIAL STUDIES

Academic Department: SOCIAL STUDIES	Course Description:												
<p>Course Information:</p> <table border="1" style="width: 100%;"> <tr> <td>Course Title</td> <td>World History</td> </tr> <tr> <td>Course Number(s)</td> <td>CE3121/3111</td> </tr> <tr> <td>Track(s)</td> <td>College Prep (CP)/Honors (H)</td> </tr> <tr> <td>Grade Level(s)</td> <td>9th</td> </tr> <tr> <td>Credits</td> <td>1.0</td> </tr> <tr> <td colspan="2">NCAA Approved</td> </tr> </table>	Course Title	World History	Course Number(s)	CE3121/3111	Track(s)	College Prep (CP)/Honors (H)	Grade Level(s)	9th	Credits	1.0	NCAA Approved		<p>A history of major world civilizations designed to explore the development of the modern global community and the spread of ideologies and cultures. The curriculum employs transnational themes to provide connections that transcend time, space, and disciplines and which promote the use of critical historical, global and economic literacy skills to explore global patterns of change over time. Acquiring these skills will enable students to analyze and interpret historical events in depth and to apply their understanding to a variety of historical contexts.</p>
Course Title	World History												
Course Number(s)	CE3121/3111												
Track(s)	College Prep (CP)/Honors (H)												
Grade Level(s)	9th												
Credits	1.0												
NCAA Approved													

Academic Department: SOCIAL STUDIES	Course Description:												
<p>Course Information:</p> <table border="1" style="width: 100%;"> <tr> <td>Course Title</td> <td>AP World History</td> </tr> <tr> <td>Course Number(s)</td> <td>CE3151</td> </tr> <tr> <td>Track(s)</td> <td>Advanced Placement (AP)</td> </tr> <tr> <td>Grade Level(s)</td> <td>9th/10th/11th/12th</td> </tr> <tr> <td>Credits</td> <td>1.0</td> </tr> <tr> <td colspan="2">NCAA Approved</td> </tr> </table>	Course Title	AP World History	Course Number(s)	CE3151	Track(s)	Advanced Placement (AP)	Grade Level(s)	9th/10th/11th/12th	Credits	1.0	NCAA Approved		<p>In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.</p>
Course Title	AP World History												
Course Number(s)	CE3151												
Track(s)	Advanced Placement (AP)												
Grade Level(s)	9th/10th/11th/12th												
Credits	1.0												
NCAA Approved													



Academic Department: SOCIAL STUDIES		Course Description:
Course Information:		This course is a comprehensive examination of the supreme and fundamental characteristics of the American Governmental system. Its study involves the origins, development, principles, organization, powers, functions and actual workings and processes of American Government. This course utilizes critical civic, economic and historical literacy skills to emphasize political theory, philosophy, and the nature of government and how it has impacted the country over time. This course is designed to give a thorough knowledge and deep understanding of the Government of the United States which is essential to all American citizens.
Course Title	American Government & Politics	
Course Number(s)	CE3221/3211	
Track(s)	College Prep (CP)/Honors (H)	
Grade Level(s)	10th	
Credits	1.0	
NCAA Approved		

Academic Department: SOCIAL STUDIES		Course Description:
Course Information:		The first quarter of this course is an introduction to the American Government. The evolution of our government and its historical background are covered in survey format. In the remaining three quarters, students will study American History from Reconstruction to the present day.
Course Title	American History	
Course Number(s)	CE3221/3211	
Track(s)	College Prep (CP)/Honors (H)	
Grade Level(s)	11th	
Credits	1.0	
NCAA Approved		

Academic Department: <i>SOCIAL STUDIES</i>		Course Description:
Course Information:		In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary
Course Title	AP United States History	



Course Number(s)	CE3351	<p>and secondary sources; developing historical arguments; making historical connections;</p> <p>and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.</p>
Track(s)	Advanced Placement (AP)	
Grade Level	10th/11th/12th	
Credits	1.0	
NCAA Approved		

Academic Department: <i>SOCIAL STUDIES</i>	Course Description:	
Course Information:	<p>This Social Studies Elective is an introductory course of the scientific study of human behavior and mental processes – Psychology. How and why people behave or misbehave is the basis of this course. Units will include neurobiology, developmental psychology, abnormal psychology, and educational psychology.</p>	
Course Title		Psychology
Course Number(s)		CE3421/CE3411
Track(s)		College Prep (CP)/Honors (H)
Grade Level		11th/12th
Credits		1.0
NCAA Approved		

Academic Department: <i>SOCIAL STUDIES</i>	Course Description:	
Course Information:	<p>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.</p>	
Course Title		AP Psychology
Course Number(s)		CE3450



Track(s)	Advanced Placement (AP)
Grade Level	11th/12th
Credits	1.0
NCAA Approved	

Academic Department: <i>SOCIAL STUDIES</i>	Course Description:	
Course Information:	<p>Half-year elective course which explores the cultural, political and social history of African Americans from the Middle Passage through contemporary American life. Through this course students will develop a deeper understanding of the intricate ways in which African Americans have influenced and shaped the history and culture of the United States. In this course, students will examine the historical approaches to understanding the experiences and contributions of African Americans in the United States.</p> <p>The second half-year guided seminar course invites the students to explore landmark Supreme Court civil rights cases from their historical roots through their contemporary impact. Students will work individually and in groups to research specific cases impacting various minority and historically marginalized groups including Native Americans, women, immigrants, African Americans, people with disabilities, followers of specific religious beliefs, among others. A variety of presentation styles including debate, oral and written presentations, as well as Socratic seminars will be used. This course requires that the student is able to identify areas of specific interest within the topic list, work independently and collaboratively, as well as actively respond in large and small group discussions.</p>	
Course Title		African-American Studies/Case Studies in Civil Rights
Course Number(s)		CE3621
Track(s)		College Prep (CP)
Grade Level		12th
Credits		1.0
NCAA Approved		

Academic Department: <i>SOCIAL STUDIES</i>	Course Description:
Course Information:	Where in the world is...



		<p>This course will give the student the opportunity to become engaged with the world in a real and meaningful way. As well as learning about physical and human geography of the planet, it will offer a better understanding of the geo-political interconnectedness of the world at-large and how it affects us here at home. The first quarter will provide an overview of Europe; the second, Asia; the third Africa and the fourth South America. There will be map work and class discussion.</p>
Course Title	Current Events/Geography	
Course Number(s)	CE4821	
Track(s)	College Prep (CP)	
Grade Level	11th/12th	
Credits	1.0	
NCAA Approved		

Academic Department: <i>SOCIAL STUDIES</i>		Course Description:
Course Information:		<p>Law-related education is an effective way of engaging youth to become more productive citizens. The street law program enhances high school students' understanding of law. The broader purpose of the street law class is to expose high school students to the law and the legal system. This course is an introduction to law and the practical legal concepts of both civil and criminal law. Specific topics will include criminal law, crimes against persons, civil law and your rights and responsibilities as a citizen.</p>
Course Title	Street Law	
Course Number(s)	CE3231	
Track(s)	College Prep (CP)	
Grade Level	11th/12th	
Credits	1.0	

Academic Department: <i>SOCIAL STUDIES</i>		Course Description:
Course Information:		<p>In A.P. European History, students investigate significant events, individuals, developments, and processes in Europe from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources, developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. *AP Exam is required.</p>
Course Title	AP European History	
Course Number(s)	CE3651	
Track(s)	Advanced Placement (AP)	



Grade Level	10th/11th/12th	<p>Prerequisites: Students must currently be enrolled in one of the following: Honors World History, Honors U.S. Government, or Honors American History. Prospective students should receive an overall grade of 90% or above in their current Social Studies course. Prospective students should also submit a writing sample of about one page from a selected writing assignment. Lastly, interested students should receive a recommendation from their current Social Studies teacher.</p>
Credits	1.0	
NCAA Approved		

COURSE DESCRIPTIONS: WORLD LANGUAGE

Academic Department: WORLD LANGUAGE	Course Description:	
Course Information:	<p>Students with exceptional verbal, listening, and reading skills may be placed in the Honors course. Material for the two courses is essentially the same. Students with higher ability will be able to progress at an accelerated rate in the Honors section. Those enrolled in the honors course will be expected to produce more advanced writing assignments, use simple conversational skills, and begin basic research projects on various cultural topics. The texts use real-world photos, on-location videos, grammar presentations and provide a solid introduction to the basic skills while incorporating high interest cultural information. Products, practices and perspectives of the target culture glimpses into the life and customs of Spanish-speaking peoples are gained through the text, supplementary materials provided by the textbook publisher, and those generated by the instructor.</p>	
Course Title		Spanish I
Course Number(s)		CE6521/CE6511
Track(s)		College Prep (CP)/Honors (H)
Grade Level		9th/10th/11th
Credits		1.0
NCAA Approved		

Academic Department: WORLD LANGUAGE	Course Description:	
Course Information:	<p>Spanish II continues the work begun in Spanish I through a more comprehensive and accelerated study of the basic skills of listening, speaking, reading and writing. Students will be expected to increase their proficiency in verbal and in written communication. This will be accomplished by the study of more complex grammatical structures and</p>	
Course Title		Spanish II
Course Number(s)		CE6551/CE6541



Track(s)	College Prep (CP)/Honors (H)	through vocabulary acquisition within the context of real-world conversations. Students will also continue to improve writing proficiency through the use of directed paragraph construction and oral proficiency through paired practice and presentations. Additional material pertaining to Spanish and Latin American culture is presented.
Grade Level	10th/11th/12th	
Credits	1.0	
NCAA Approved		

Academic Department: WORLD LANGUAGE	Course Description:	
Course Information:	<p>Designed for the linguistically gifted, this intensified course aims at refining and strengthening all receptive and productive communication skills. Exposure to authentic Spanish materials helps the students to better understand the Spanish people and their culture. Selected readings expose the student to authentic Hispanic culture. Instructional materials that accompany the text as well as instructor created material are employed to supplement the language lessons</p> <p><i>Prerequisite: Satisfactory completion of Spanish I and a first semester grade of 85 or above in Honors Spanish II or teacher recommendation in Spanish II.</i></p>	
Course Title		Spanish III
Course Number(s)		CE6581/CE6571
Track(s)		College Prep (CP)/Honors (H)
Grade Level		11th/12th
Credits		1.0
NCAA Approved		

Academic Department: WORLD LANGUAGE	Course Description:	
Course Information:	<p>This course will include a complete review of all grammar, especially the verb tenses of the indicative, subjunctive and imperative moods. Continued emphasis will be placed on oral communication and the improvement of writing skills through more complex compositions and essays. A study of Spanish civilization including geography, history and art will be investigated with each chapter along with an authentic reading. Excerpts of authentic Spanish materials are used as a basis for each chapter. Students will learn how to express, not only what they do, but also how they feel and what they</p>	
Course Title		Spanish IV
Course Number(s)		CE6700
Track(s)		Honors (H)
Grade Level		11th/12th



Credits	1.0	believe about the world.
NCAA Approved		

COURSE DESCRIPTION: FINE ARTS

Academic Department: <i>FINE ARTS</i>	Course Description:	
Course Information:	A <i>foundation</i> course open to students in grades 9 to 12 who are seriously interested in art. Emphasis in the first year is on the development of basic skills, development of visual perception, and exploration of materials. An introduction to various programs such as Photoshop and Illustrator are integrated in this course.	
Course Title		Art I
Course Number(s)		CE8211
Track(s)		Honors (H)
Grade Level		9th/10th/11th/12th
Credits		1.0

Academic Department: <i>FINE ARTS</i>	Course Description:	
Course Information:	An elective where students will pursue a more advanced study of art than introduced in Art I, especially in <i>design</i> . Fundamentals are explored in greater detail and new mediums are introduced which include sculpture, printmaking as well as continuation of MAC programs. Students will learn Art History, develop an appreciation for the aesthetics of art and acquire the language and skills needed for art criticism.	
Course Title		Art II
Course Number(s)		CE8311
Track(s)		Honors (H)

Grade Level	10th/11th/12th
Credits	1.0

Academic Department: FINE ARTS	Course Description:	
Course Information:	Art III is a <i>portfolio</i> and college preparation program. A working knowledge of computer operation is essential in order to assist in preparing individual artwork portfolios on a CD. Emphasis is on perfecting skills in specific areas of interest and on the development of creative expression through individual instruction. This course options for AP Studio Art or H. Art IV.	
Course Title		Art III
Course Number(s)		CE8411
Track(s)		Honors (H)
Grade Level		11th/12th
Credits		1.0

Academic Department: FINE ARTS	Course Description:	
Course Information:	Designed for the serious artist, Art IV will focus on problem solving; developing and pursuing a theme; and an exploration of ideas.	
Course Title		Art IV
Course Number(s)		CE8510
Track(s)		Honors (H)
Grade Level		12th
Credits		1.0

Academic Department: FINE ARTS	Course Description:
---------------------------------------	----------------------------



Course Information:		The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios -- 2D Design, 3D design, and drawing -- corresponding to common college foundation courses.
Course Title	AP Studio Art	
Course Number(s)	CE8560	
Track(s)	Advanced Placement (AP)	
Grade Level	12th	
Credits	1.0	

Academic Department: FINE ARTS		Course Description:
Course Information:		In this course, students will engage in a project-based curriculum that is centered around the art of design and contemporary artforms. This course is an introduction to color theory, photography, animation, and digital illustration. Students will learn the basic tools and functions of design software such as Adobe Illustrator and Photoshop. Students will develop skills within graphic design, branding, and advertising to enhance their visual communication skills, develop deeper critical thinking, and improve craftsmanship within design.
Course Title	Digital Design I	
Course Number(s)	CE8611	
Track(s)	Honors (H)	
Grade Level	9th/10th/11th/12th	
Credits	1.0	

Academic Department: FINE ARTS		Course Description:
Course Information:		In this course, students will engage in an advanced project-based curriculum that is centered around the art of design and contemporary artforms. This is an advanced course in color theory, photography, animation, and digital illustration. Students will apply their skills and knowledge of design software such as Adobe Illustrator and Photoshop from Digital Design I to this course. Students will further develop skills within graphic design, branding, and advertising to enhance their visual
Course Title	Digital Design II	
Course Number(s)	CE8621	
Track(s)	Honors (H)	

Grade Level	10th/11th/12th	communication skills, develop deeper critical thinking, and improve craftsmanship within design.
Credits	1.0	
		- Prerequisite: Digital Design I

Academic Department: <i>FINE ARTS</i>	Course Description:	
Course Information:	This class meets daily for students to learn, rehearse, and refine music in order to perform in end of the semester concerts, Winter & Spring Concerts, and other performance opportunities. In a traditional concert-band setting, students will learn various musical concepts while exploring different genres of music in their rehearsals. General music theory is emphasized in the beginning of the year so students are well-equipped to learn more in-depth musical concepts as the year progresses, such as: blend, musical phrasing, sight-reading, tuning, etc. As part of this class, all students are provided with weekly private lessons on their chosen instrument. Experience playing an instrument is strongly recommended before joining the band but is not required.	
Course Title		Instrumental Music
Course Number(s)		CE8001
Track(s)		Honors (H)
Grade Level		9th/10th/11th/12th
Credits		1.0

Academic Department: <i>FINE ARTS</i>	Course Description:	
Course Information:	This class forms the core of the Concert Choir, the premiere vocal ensemble for the school community. Students will learn vocal technique, concepts of music theory and ensemble performance practice by rehearsing and performing challenging SATB repertoire. Students are expected to prepare the repertoire on their own and are required to attend all rehearsals and performances. In addition, the class leads the community at all liturgies.	
Course Title		Choral Music
Course Number(s)		CE8051
Track(s)		Honors (H)
Grade Level		9th/10th/11th/12th
Credits		1.0

COURSE DESCRIPTIONS: HEALTH & PHYSICAL EDUCATION

Academic Department: HEALTH & PHYSICAL EDUCATION		Course Description:
Course Information:		<p>The Physical Education program stresses sportsmanship, working together, skill performance, physical fitness, individual sports and team sports. Various activities provide the opportunity for improved motor skills, and the basic knowledge needed to participate in sports, and lifetime activities. Students are required to dress for and participate in each and every class. The Health Program deals with current critical health concerns in today's society. This course will center on the students gaining knowledge and information that will better prepare them to make positive choices and decisions about their own health. Students will learn to differentiate between healthful and risky behaviors, and to recognize the effects of the behaviors they chose. Areas of study include health and wellness, fitness, nutrition, body systems, physiology, mental health and social drugs.</p>
Course Title	PE/Health	
Course Number(s)	CE9001	
Track(s)	College Prep (CP)	
Grade Level	10th/11th/12th	
Credits	1.0	

Academic Department: HEALTH & PHYSICAL EDUCATION		Course Description:
Course Information:		<p>This course gives students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio-respiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training and overall fitness training and conditioning course includes both lecture and activity sessions with research and project based learning. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness and movement activity for a lifetime. This course involves a large physical component and is recommended for athletic students wishing to achieve optimal physical fitness.</p> <p>Prerequisite: Health/PE</p>
Course Title	Personal Fitness	
Course Number(s)	CE9011	
Track(s)	College Prep (CP)	
Grade Level	11th/12th	
Credits	0.5	

COURSE DESCRIPTIONS: BUSINESS

Academic Department: BUSINESS		Course Description:
Course Information:		<p>Students learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. While students study business, economics, selling, human relations, communications, distribution, promotion, product planning, and pricing, they also see marketing as a career choice. Additionally, students will develop skills in the following areas:</p> <ul style="list-style-type: none"> ● Manage Interactive Multimedia ● Efficient Understanding & Selecting Appropriate Media ● Appraise Multimedia Impact on Business Function ● Support Ethical Issues
Course Title	Marketing/Digital Creations	
Course Number(s)	CE7221	
Track(s)	Honors (H)	
Grade Level	10th/11th/12th	
Credits	1.0	

Academic Department: BUSINESS		Course Description:
Course Information:		<p>This course is an introduction to the theory of accounts and generally accepted accounting principles. Emphasis is placed on completing the accounting cycle, inventory and asset valuation and stockholders' equity. Students will be instructed in the methods of analyzing and categorizing documents. Students will learn how to record business transactions into journals, post information into ledgers, and prepare a trial balance. Additionally, they will be taught how to prepare the financial statements (balance sheet, income statements, statement of cash flow).</p>
Course Title	Accounting I	
Course Number(s)	CE7611	
Track(s)	Honors (H)	
Grade Level	10th/11th/12th	
Credits	1.0	

Academic Department: BUSINESS		Course Description:
Course Information:		<p>The course focuses on various managerial, financial, and operational accounting activities that require the formulation, interpretation, and communication of financial information for use in management decision making. Accounting II concentrates on managerial accounting. Topics include job and process cost systems, cost-volume analysis, budgets and capital budgeting, equity investments,</p>
Course Title	Accounting II	
Course Number(s)	CE7621	

Track(s)	Honors (H)	time value of money, long-term liabilities, and accounting for quality and cost management.
Grade Level	11th/12th	
Credits	1.0	

Academic Department: BUSINESS	Course Description:	
Course Information:	This course aims to prepare students with knowledge and understanding of economic and business concepts. The students will be introduced to our economic system of free enterprise while gaining new insights into different roles of business, government, management, labor and consumers within the system. Topics include: economics, business organizations (corporations, partnerships, sole-proprietors), international business, social and ethical issues, saving and investing, borrowing, insurance, credit, banking, and much more.	
Course Title		Entrepreneurship
Course Number(s)		CE7720
Track(s)		College Prep (CP)
Grade Level		12th
Credits		1.0

COURSE DESCRIPTION: ACADEMIC & CAREER ENRICHMENT

Academic Department: ACADEMIC & CAREER ENRICHMENT	Course Description:	
Course Information:	This course is designed to have a smaller class size for a more individualized instructional environment. Instruction is split weekly (3:2 periods) between math and english-related enrichment. Instructors will work collectively with the Algebra and ELA I teachers as a means to streamline instructional goals. Study strategies and test-taking skills (SAT prep) will be introduced and practiced. The goal of this course is to provide all freshmen students additional and strengthened skills and knowledge in the core curriculum areas of mathematics (Algebra) and english (Reading Comprehension and Writing Composition). <u>This course is graded as Pass/Fail via a Satisfactory/Unsatisfactory reported mark.</u>	
Course Title		Academic Enrichment
Course Number(s)		CE0231
Track(s)		Academic
Grade Level		9th
Credits		1.0



*Other AP courses may be offered through online providers per student's request. Student enrollment in online AP courses must be approved by the CEC Administration.

E-SPORTS/PROGRAMMING

- Conwell-Egan Catholic has established a partnership with Metro Tech Academy to pilot a modern and innovative curriculum in the world of technology that will include the following areas: Gaming Production, E-Sports Event Management, Programming/Coding with Python, Content Creation and Principles of Management.
- For more information, please contact Mr. Schiavo (jschiavo@conwell-egan.org).
*CEC will offer 1-2 of the courses above based on student interest. Courses will be hosted at YMCA of Fairless Hills 1-2 days per week from 12:45pm-2:15pm.

DUAL ENROLLMENT OPPORTUNITIES

- Conwell-Egan Catholic has established partnerships with the following colleges: Bucks County Community College, LaSalle University, Immaculata University. For more information on taking a dual enrollment course with any of these schools, please contact Mr. Schiavo (jschiavo@conwell-egan.org).