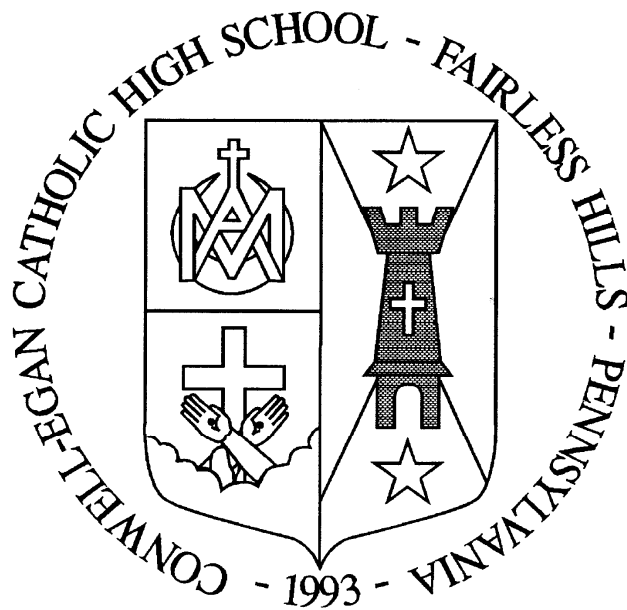


CONWELL-EGAN CATHOLIC HIGH SCHOOL

Character Excellence Commitment



Academic Course Guide 2011-2012



Conwell-Egan Catholic High School

OFFICE OF ACADEMIC AFFAIRS

Dear Students and Parents:

Your Academic Course Guide has been prepared by the Office of Academic Affairs in consultation with the Department Chairs to offer you a well-rounded education. This process takes time; patience and careful consideration to reach a collective decision that will best serve your educational welfare. We encourage you to discuss together with your parents and teachers the courses required and offered in this guide and determine what you feel are the appropriate courses to take. In addition, please make use of the resources you have in the school. Your past and present teachers and your guidance counselor are invaluable advisors concerning your academic growth.

Students please feel free to see me any time before or after school or during a lunch or study period if you have questions or want to discuss your roster for next year. Parents, please call me if there is anything I can do to help you in guiding your child in selecting the proper courses.

Thank you for your continued support and commitment to Conwell-Egan Catholic. Our purpose is to work with you to achieve the best possible educational opportunities.

Sincerely,
Evan J. Ortiz
Evan J. Ortiz, MS
Assistant Principal for Academic Affairs

Academic Course
Guide
2011-2012

ACADEMIC REQUIREMENTS

Freshman Year

Required: Theology I; English Language Arts I; World History I; Mathematics {Algebra I or II}; Science {Physical Science or Biology} and Technological Communications I; Related Arts and one (1) Elective

Electives: *Spanish I; Italian I; Art I
**H. Jazz Ensemble, H. Choral Music, H. EAST Initiative

*Students are REQUIRED to complete two (2) years of study in a chosen language.

**Student who elect and are qualified to take H. Jazz Ensemble, Art or H. Choral Music may postpone their World Language to another year.

N.B. Freshmen are required to take 7 subjects.

Sophomore Year

Required: Theology II; English Language Arts II; World History II; Geometry, Science {Biology or Chemistry}; Physical Education/Health and one (1) Elective

Electives: *Spanish I; Spanish II; Italian I; Italian II; H. Algebra II;
H. Jazz Ensemble; H. Choral Music; Art; H. EAST Initiative

*Any student who had a first year language course is normally required to take the second year of that language. Exceptions to this policy are made only on an individual basis by the administration. Track 1 (Honors) sophomores are required to take Algebra II, Chemistry, Spanish II, Italian II to finish out the program begun in Freshman year. A select group of Track 1 sophomores will be offered Geometry (in addition to Algebra II) in order to be prepared to elect Calculus in their Senior Year. These students must take Math in Junior Year. For these students the PHYSICAL EDUCATION/HEALTH *requirement will be fulfilled in junior year.*

Sophomores who did not have a language in freshman year may, upon the approval of the World Language Chairperson, begin study in Spanish or Italian if space is available and prerequisites are met.

N.B. Sophomores are required to take 7 subjects.

Junior Year

Required: Theology III; English Language Arts III; Am. History; Math; Science and (2) electives

Electives: **Mathematics:** Algebra II, Trig/PreCalculus
Science: Chemistry, Physics, Environmental Science, AP Chemistry, AP Biology, Anatomy/Physiology, Forensics
World Languages: Spanish I, II, or III; Italian I, II, or III
Business/Technology: Technological Communications II, Accounting, H. EAST Initiative, Personal Finance/Business Law
Fine Arts: Art I, II, III; H. Jazz Ensemble, H. Choral Music, H. Music Theory
Social Studies: AP US History
English: H. Communications, AP Language and Composition
Humanities: H. Humanities Seminar

N.B. The requirement for the 3rd year of Math and Science must be fulfilled in Junior Year.

Senior Year

Required:	Theology IV; English Language Arts IV; 4 Electives
Electives:	English: AP Literature and Composition, H. Communications Social Studies: H. Psychology, H. Global Studies, AP Psychology Mathematics: AP Calculus, Calculus, Trig/PreCalculus, Consumer Mathematics Science: Chemistry, Physics, Environmental Science, AP Physics, AP Biology, AP Chemistry, Anatomy & Physiology, Forensics World Languages: Spanish II, III, IV; Italian II, III, IV Business/Technology: Technological Communication II, Personal Finance/Business Law, H. Multi-Media/Web Design, Accounting, H. International Business, H. EAST Initiative Fine Arts: Art I, II, III, IV; AP Studio Art, H. Jazz Ensemble, H. Choral Music, H. Music Theory Humanities: H. Humanities Seminar

N.B. It is particularly important that students be aware of their long-range goals regarding college and of the number of credits required for graduation in making decisions. In addition, students should read the course descriptions carefully to determine the requirements and expectations of each course before making a choice.

GRADUATION REQUIREMENTS

In accordance with the requirements established by the State of Pennsylvania Department of Education, the directives of the Office of Catholic Education of the Archdiocese of Philadelphia, and the philosophy and objectives of the school itself, a diploma is awarded to Conwell-Egan Catholic High School student for the successful completion of the prescribed course of studies. *The minimum requirements are 26 credits in grades 9 through 12 as follows:*

4.0 Credits	THEOLOGY
4.0 Credits	ENGLISH
3.0 Credits	SOCIAL STUDIES
3.0 Credits	MATHEMATICS
3.0 Credits	SCIENCE
0.5 Credits	PHYSICAL EDUCATION
0.5 Credits	HEALTH
0.5 Credits	TECHNOLOGY APPLICATIONS
0.5 Credits	RELATED ARTS
2.0 Credits	WORLD LANGUAGES
5.0 Credits	ELECTIVES
26.0 Credits	TOTAL {All subjects, full or half credit, required or elective must have a passing grade}

TRACK SYSTEM AND ABILITY GROUPING

In order to meet the widely different needs of our students, the academic subjects offered at Conwell-Egan Catholic are classified according to tracks. Ability grouping helps stimulate groups and individuals to excel and accustoms the superior students to intense critical thinking and make possible the adjustment of the curriculum to the needs of the individual. Most required subjects are offered at different levels of academic challenge. It is possible for a student to be in different tracks for different subjects.

Also, a student is not locked into a particular track for all four years. Track changes, when **required and recommended** by the teacher, may be made for the **next** school year.

TRACKS

Archdiocesan Tracking Policy mandates that all diocesan high schools are expected to comply with the tracking policy issued by the Office of Catholic Education. This policy is designed to meet the particular needs of the individual student at the level of his/her intellectual ability and achievement by providing a college preparatory curriculum, regardless of track.

The approved curriculum guidelines for the Secondary School System differentiate among the following academic levels:

- TRACK 5 College level courses that follow syllabi of the Advanced Placement Program of the College Board. Students in AP courses are REQUIRED to take the Advanced Placement Examination given in May in each AP level course they are carrying on their roster. The College Board charges a fee for the exams. Students are required to purchase the textbook for some AP courses.
- TRACK 1 Honors – College preparatory courses for students of extraordinary and exceptional scholastic ability. Students work at an accelerated pace.
- TRACK 2 College preparatory courses for students of above average ability.
- TRACK 3 College preparatory and standard courses for student of average ability.

THE NINTH-GRADE PLACEMENT PROCESS

At the time of registration, each incoming freshman has an opportunity to indicate World Language and/or Fine Arts Electives. Theology, English, Mathematics, Science, and Social Studies are all required courses for freshmen.

Tracking of freshman students is the result of several factors, which are incorporated into a computerized formula. The basis for our tracking begins with the seventh grade final marks, the eighth grade first trimester marks and the results of the Terra Nova Standardized Test administered in the fall to all eighth graders in our parish schools. All three total are added together to a composite score. All incoming freshmen are ranked in relations to all the other incoming freshmen. This method allows us to use a wide variety of grades given by a variety of elementary teachers over two academic years. It also uses all the grades from a national standardized test. This test is given on the same day, under the same conditions in all of our elementary schools. Use of this test helps eliminate variances in teacher grading. This test also provides a Cognitive Skills Index component which further assist the overall assessment of student ability for tracking.

COURSE SELECTION PROCESS

Academic Programs Course Guide can be found on our website www.conwell-egan.org for all to view. A personalized course selection form will be issued to each student. On this form will be the required courses and electives recommended by the school in light of the student's performance to date. Parents should make sure that they are involved actively in this process. If the courses desired appear on the course selection sheet, no further permission from the school is required. The signed form is to be

submitted to the Finance Office with the proper Re-registration fee. Student and parent signatures indicate a commitment to both course and track, as designated by the third digit in the course number.

Student who register after the deadline often lose opportunities to take elective courses, since in rostering for these courses priority is given to those who registered on time. Course selection cannot be finalized until the student returns the course selection for and the Re-registration fee is paid to Conwell-Egan Catholic High School.

COURSE CHANGES

All courses and tracks for the academic year are selected by the student and approved by parents and teachers during the spring of the previous year. For this reason, track and courses (including electives) are not changed, added or dropped in September. Selection of courses should be done only after serious, careful and thoughtful consultation with parents, teachers and counselors. Therefore, once you choose your courses and they are verified, you will not be permitted to change. No roster will be arranged or rearranged to accommodate an early dismissal for reasons of employment, extracurricular activities, or other non-academic reasons. Any student requiring a specific lunch period due to medical reasons must provide an explanation by way of a doctor's note. Kindly provide this documentation for our office files. Academic difficulties with a course will not constitute a change. Students will be expected to accept any and all consequences of their decisions. All students are required to carry all chosen courses, including electives, for the entire year.

It is the specific policy of Conwell-Egan Catholic High School and the general policy of the Archdiocese of Philadelphia not to honor rostering requests based on dissatisfaction with a course or teacher, displeasure with the schedule, a change of mind or early dismissals. Other reasons for not changing are lunch or study hall changes without prior doctor's documentation on file.

In exceptional cases and for valid reasons only, students may obtain and complete roster review forms at designated times during the roster process. Upon receipt of the request, the review process will ensure that the change is really in the student's best interest, that individual class size and total teacher load are not compromised and that a "domino effect" is not produced by the change. There is a **substantial fee** for this application. This fee is meant both to emphasize the seriousness with which roster changes should be requested and to offset the real costs involved.

COURSE CANCELLATIONS/CHANGES

The administration of Conwell-Egan Catholic reserves the right to cancel or postpone any course or to merge a two-track offering into one, if insufficient numbers of students enroll for a course or if qualified personnel are not available for the next school year. Students requesting such courses will be notified and asked to make an alternate selection. Every reasonable effort will be made to discuss and make such adjustments with all concerned before finalizing the roster in accordance with the Master Schedule.

ADVANCED PLACEMENT COURSES

Conwell-Egan Catholic High School offers a number of Advanced Placement Courses: AP Literature and Composition, AP Language and Composition, AP Calculus, AP Chemistry, AP Biology, AP Physics, AP US History, AP Psychology, and AP Studio Art. *Advanced Placement Courses* consist of a structured program of college level courses and examinations for secondary school students. The program is administered by the Educational Testing Service (College Board Division). Over 90% of colleges

nationwide award college credit to high school students who achieve an acceptable examination grade (a score of 3 or above).

The Office of Academic Affairs gives serious consideration to the initial track placement. However, acceptance into an AP Course is further contingent on aptitude, standardized test results, previous performance, prior sequential courses, teacher recommendation and department chair approval.

Students who are granted admission into AP level courses must understand the following:

- AP level courses have limited enrollment determined by the specific department, the Assistant Principal for Academic Affairs and the Princeton guidelines. Because students compete for limited positions in these courses, it must be understood that once a student accepts the admission appointment to an AP level course, **the student is required to carry the course for the entire year and will not be allowed to drop the course.**
- Students in all AP level courses are required to take the AP exam in May.

Students are limited to two (2) AP Courses in a year. Every reasonable effort is made to accommodate all schedules in accordance with the Master Schedule.

HONORS

The following are the honors designations used by the Archdiocese of Philadelphia Secondary School System for implementation Fall 2011 for all students. Honors will be calculated on a quarterly basis and will **not** include semester assessments or the semester average. **Honors are computed at the 1st quarter, 2nd quarter, 3rd quarter and 4th quarter.** Honors are determined by grade average as well as by lowest grade requirements; tracking is not considered. Students with a failure in any subject are not eligible for honors.

First Honors

Grade Average – 93.0
No grade lower than 90.0

Second Honors

Grade Average – 88.0
No grade lower than 85.0

RANK IN CLASS

The academic standing of each student in relation to the other members of the class is calculated from the quality points attained. The rank in class is computed for each current year and also cumulatively for all four high school years. Rank is given only at the semester and final marking periods.

•**Current Rank** – is determined by quality point average. The total of quality points is divided by the number of credits received in tracked courses.

•**Cumulative Rank** – is based on the average of total quality points accumulated for the number of years the student is in school.

GRADING

The highest report card grade that may be given is **100**; the lowest passing grade is **70**; and the lowest reported failing grade is **60**.

The **Quarter Grade** reflects the progress that a student has made during that marking period. This grade is determined by the teacher and, depending on the academic discipline, will include major tests, assessments, quizzes, term papers, homework, labs, projects, oral reports, and classroom participation. At least three (3) major marks must be included in the quarter grade.

The **Semester Grade** is comprised of 40% of the first quarter grade plus 40% of the second quarter grade plus 20% of the semester exam grade.

Example:	1Q	2Q	Exam	1S
Actual Grade	80	85	90	
Percent	<u>(40%)</u>	<u>(40%)</u>	<u>(20%)</u>	
	32	34	18	84

The **Final Grade** is an average of the two semester grades; the final grade determines whether or not the student has passed the course. The grades for semester courses that conclude in January carry over to the Final Grade Column. Only semester grades and the final grade appear on the permanent record card (transcript).

Grade Point Average (GPA) will be calculated in Jen-A-SYS based on the final grade per course using the weighted scale below. Each course receives a GPA value and then the average GPA of all courses is calculated. The GPA will be reported on the transcript. Semester-long and year-long courses will be counted into the GPA. Implementation Fall 2011 (for the Class of 2015 and after).

Final Course Grade	AP	Honors	Tracks 2, 3, 4
90-100	4.3	4.1	4.0
80-89	3.3	3.1	3.0
73-79	2.3	2.1	2.0
70-72	1.3	1.1	1.0

GRADE CONNECT

The Office of Catholic Education has contracted Grade Connect, which allows students and parents to access and view academic progress. Conwell-Egan Catholic High School has enrolled all students in Grade Connect. Teachers are required to utilize Grade Connect to post quarter grades. However, many teachers use Grade Connect extensively to post homework assignments, due dates for projects, progress notices, etc. To obtain parent password access, you will need your child's user name and password to set up your parent account. We encourage you to use this as an additional tool in keeping up with your child's academic standing. Simply follow the instructions on the website for easy access.

GRADE CONVERSION

Grade Conversion for all students transferring into an Archdiocesan school and for all Diocesan Scholars for Implementation Fall 2011 (for Class 2015 and after). For students who come from schools where an alpha grading system is used, the conversion from alpha grade to numeric grade is reflected on the following chart.

A+	99
A	96
A-	93
B+	89
B	86
B-	83
C+	79
C	76
C-	73
D+	72
D	71
D-	70
F	65

PARENT-TEACHER-STUDENT CONFERENCES

P-T-S Conferences are scheduled mid-quarter, prior to the release of the quarter report card. There are three (3) scheduled meetings each year. The dates and times are listed on the school calendar and on the report cards. When a previous failure, current failure, or poor performance is indicated, it is strongly encouraged that the parent(s) and the student use this time to meet with the teacher. These meetings provide the opportunity for all parties involved to discuss the steps required for the student to improve his/her grades.

REPORT CARDS

Report cards are processed electronically and mailed four times a year. In addition to grades, the report cards provide an opportunity for teacher comments. The report also reflects attendance, conduct and financial history. Pastors of Roman Catholic parishes receive copies of their students' academic reports.

QUALITY POINTS

To compensate for the degree of work demanded in each track, a system of quality points has been devised. For each grade a corresponding number of quality points is assigned based on the track level of the subject. The current and cumulative rank in class are determined by these quality points.

GRADE	TRACK	TRACK	TRACK	TRACK	TRACK
	5 <i>AP Courses</i>	1 <i>Honors</i>	2 <i>Above- Average</i>	3 <i>Average</i>	4 <i>Standard</i>
100	54	48	44	40	36
99	53	47	43	39	35
98	52	46	42	38	34
97	51	45	41	37	33
96	50	44	40	36	32
95	49	43	39	35	31
94	48	42	38	34	30
93	47	41	37	33	29
92	46	40	36	32	28
91	45	39	35	31	27
90	44	38	34	30	26
89	43	37	33	29	25
88	42	36	32	28	24
87	41	35	31	27	23
86	40	34	30	26	22
85	39	33	29	25	21
84	38	32	28	24	20
83	37	31	27	23	19
82	36	30	26	22	18
81	35	29	25	21	17
80	34	28	24	20	16

GRADE	TRACK	TRACK	TRACK	TRACK	TRACK
	5 <i>AP Courses</i>	1 <i>Honors</i>	2 <i>Above- Average</i>	3 <i>Average</i>	4 <i>Standard</i>
79	33	27	23	19	15
78	32	26	22	18	14
77	31	25	21	17	13
76	30	24	20	16	12
75	29	23	19	15	11
74	28	22	18	14	10
73	27	21	17	13	9
72	26	20	16	12	8
71	25	19	15	11	7
70	24	18	14	10	6
69	23	17	13	9	5
68	22	16	12	8	4
67	21	15	11	7	3
66	20	14	10	6	2
65	19	13	9	5	1
64	18	12	8	4	0
63	17	11	7	3	0
62	16	10	6	2	0
61	15	9	5	1	0
60	14	8	4	0	0

NOTICES OF UNSATISFACTORY WORK

Progress reports are required at the mid quarter for all students in all schools. The format of the progress report is a local decision.

Failure Warnings for Students in Grades 9, 10, 11: When failure in a particular subject seems probable for the semester grade or the final grade, parents and students must be notified of the probable failure in advance. This failure warning will be issued at least 30 days prior to the close of the semester. However, if a student's grade changes dramatically at any time during the semester, the failure warning may be issued at the time the problem surfaces with the permission of the Assistant Principal for Academic Affairs.

Failure Warnings for Students in Grade 12: When failure in a particular subject seems probable for the semester grade or the final grade, parents/guardians and students must be notified of the probable failure at least 30 days in advance by certified mail in order to provide time for remediation. However, if a student's grades change dramatically at any time during the semester, the failure warning may be issued at the time the problem surfaces with the permission of the Assistant Principal for Academic Affairs.

SUMMER SCHOOL POLICIES

A failure for the school year means that the average of the first and second semester grades is below 70; it is also a judgment on the part of the teacher that the student has not worked according to ability. All failures in any subject, required and elective, full and half-credit, must be rectified by attendance at summer school and passing the subject(s) failed. This is a diocesan policy and, therefore, no exceptions will be made.

Archdiocesan policy stipulates that **Seniors** with any failures for the school year:

- DO NOT PARTICIPATE IN THE GRADUATION EXERCISES.
- Are mandated to make up failed courses in summer school. The mandate applies to all courses.
- Must successfully make up those failures in an approved Diocesan Summer School in order to receive a diploma.

Archdiocesan policy stipulates that **Underclassmen** with any failures for the school year must successfully make up those failures in an approved Diocesan Summer School in order to return to Conwell-Egan Catholic the following September. Archdiocesan regulations state that *students with excessive unexcused absences* (over 21 days) do not successfully complete the school year until they make up the time they have missed in an approved Diocesan Summer School. This applies even if the student has no academic failures. In this case, the student attends the course in which their lowest grade was received, excluding Theology.

It is the responsibility of the student to make plans to attend an approved Diocesan Summer School. Prior vacation plans will not be accepted as a reason for waiving the ATTENDANCE REQUIREMENT at summer school. A Diocesan Summer School is conducted at Conwell-Egan Catholic High School.

ACADEMIC PROBATION AND DISMISSAL

- Any Student with two failures at the end of the school year is placed on academic probation for the following year.
- A student on academic probation with more than two failures in any subject at the close of the first semester of the following year, faces possible dismissal from Conwell-Egan Catholic in January.
- A student on academic probation with two failures in any subject at the close of the school year is liable to dismissal in June.
- A student on academic probation with one failure in any subject at the close of the school year remains on academic probation.
- A student receiving three academic failures in any subjects, required or elective, full or half-credit, at the close of the school year is liable to dismissal.
- Ninth grade students with five failures in any subjects at the end of the first semester may be dismissed in January.
- Tenth, eleventh and twelfth grade students with four or more academic failures in any subjects at the end of the first semester are liable to dismissal in January.

The administration has the right to retain students who would normally be dismissed if they judge that there are grave reasons to do so, whether this judgment results from knowledge they gain independently or after consultation with other members of the faculty. No student may be failed who has indicated a reasonable effort.

FACULTY

Administration

President
Principal

Dr. Lorraine Rice
Mrs. Margaret Blanco

Assistant Principals

Academic Affairs
Student Services
Student Affairs

Mr. Evan Ortiz
Mr. Brian Lari
Miss Kelly O'Connor

Department Chairpersons

Business/Technology
English
Fine Arts
World Languages
Library/Media
Mathematics
Physical Education
Theology
Science
Social Studies

Mr. William Wornom
Ms. Janet Dollard
Mrs. JoAnne Gari
Mr. Joseph Farinella
Mrs. Geraldine Brennan
Mr. Joseph Schuler
Mr. Dennis Strobel
Bro. Larry Hilferty, TOR
Mr. Timothy Vogel
Mr. Frederick Firmani

School Ministry

Fr. Christopher Lucas

Guidance

Director
Assistant Guidance Director
Catapult

Ms. Lorraine Lodise-Gentry
Fr. Fidelis Weber, TOR
Mrs. Bemmels, Mrs. Meyers
Mrs. Morel, Mrs. Bauer
Mrs. Chiodo-Gross

COURSE DESCRIPTIONS

† THEOLOGY COURSE OFFERINGS†

The Theology Department endeavors to provide by way of instruction, example and experience, the means and opportunity for student to become more aware of Catholic Christianity as an integral part of all aspects of life, both personally and communally, and to continue to foster an appreciation of the sacredness of life, grounded in faith, assured by the reality of the continuing presence of Christ in the world. We undertake this in order to prepare the students to take their place as responsible Roman Catholic Christians in the Church.

In light of the foregoing, our goals are:

- †To foster evangelization that will allow the students to experience the person of Jesus Christ in their lives.
- †To provide an atmosphere that encourages our students to be reflective and to practice critical thinking as they examine the lived reality of faith.
- †To establish a link between the academic endeavor of religion and the lived reality of faith.
- †To enable our students to appreciate the Catholic Church as the bearer of the mystery of Christ and to come to know themselves as the People of God.
- †To encourage our students to grow in their spiritual lives through the experience of prayer that is life giving and varied.
- †To establish an attitude of openness and trust in our students so that they may learn to respect others and live in peace.

	Summer Reading List
Freshmen:	The Five People You Meet in Heaven By Mitch Albom
Sophomores:	The Little Prince By Antoine de-Ste-Exupery
Juniors:	Tuesdays with Morrie By Mitch Albom
Seniors:	Man's Search for Meaning By Viktor Frankl

Prerequisite for Honors Theology courses for grades 10, 11 and 12: Students must have a consistent average of 90 or above in the current Theology course and have the recommendation of their current teacher and approval of the Department Chair.

111 HONORS THEOLOGY I **6ppc 1.00 cr. Tr. 1 Gr. 9**
112 THEOLOGY I **6ppc 1.00 cr. Tr. 2 Gr. 9**
The Revelation of Jesus Christ in Scripture: 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.

Who is Jesus Christ: 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.

121	HONORS THEOLOGY II	6ppc	1.00 cr.	Tr. 1	Gr. 10
122	THEOLOGY II	6ppc	1.00 cr.	Tr. 2	Gr. 10
	<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.				
	<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 which has both human and divine elements.				
131	HONORS THEOLOGY III	6ppc	1.00 cr.	Tr. 1	Gr. 11
132	THEOLOGY III	6ppc	1.00 cr.	Tr. 2	Gr. 11
	<i>Christian Morality:</i> This course is the study of the development and plurality of moral systems within the context of Christian morality. Specific attention is given to the Christian's freedom, rationality, physical nature and historical nature as rooted in conversion to Jesus. The Christian conscience is discussed and attention is given to particular moral problems. This course attempts to show the students how faith and belief are an integral part of and help to fill our search for meaning in life. It emphasizes that the Catholic Church is primarily a community of faith, which has been called to respond to the spirit of Jesus Christ.				
141	HONORS THEOLOGY IV	6ppc	1.00 cr.	Tr. 1	Gr. 12
142	THEOLOGY IV	6ppc	1.00 cr.	Tr. 2	Gr. 12
	<i>The Church – 1st Semester:</i> This course presents the history of the Church from the Pentecost and the early Judeo-Christian communities to the church in the Third Millennium. This course enables the students to heighten their awareness of the early leaders of the Church as well as the Theologians that have helped to develop our modern day understanding of Christ's teachings. The growth of the Catholic Church and parochial schools in the 20 th Century, with a focus on the papacy of the modern era, are also examined.				
	<i>Marriage, Family, Christian Vocation – 2nd Semester:</i> This course presents the dimensions of love, sexuality and married life. It explores such topics as dating, relationships, love, sex, cultural and Catholic expectations of marriage, responsible parenthood, and the factors contributing to marital success. It challenges the student to view marriage as a mutually rewarding and sacred relationship. This course also presents the vocations of single and religious life as true vocations in themselves, worthy of dignity and respect.				

ENGLISH COURSE OFFERINGS

The English Department of Conwell-Egan Catholic High School endorses and supports the philosophy and goals of the school. The department offers a curriculum encompassing the topics of secondary English – reading, interpreting literature, writing, speaking and critical thinking – designed to prepare students of all academic abilities to face the challenges of modern communication. Through our curriculum, we strive to teach multicultural understanding through literature, life-long communication skills and critical thinking based on reading and listening.

All students of English, regardless of track, are expected to participate in the Department's Summer Reading Program. Assignments can be found on our website under the Academics-Summer Reading tab. These must be completed by the first Monday of the school year and turned in to the student's current English teacher. A test on this material will constitute the first English grade for the first quarter.

211	HONORS ENGLISH LANGUAGE ARTS I	6ppc	1.00 cr.	Tr. 1	Gr. 9
212	ENGLISH LANGUAGE ARTS I	6ppc	1.00 cr.	Tr. 2	Gr. 9
213	ENGLISH LANGUAGE ARTS I	6ppc	1.00 cr.	Tr. 3	Gr. 9
	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.				

Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational tests, and narratives. Using the full writing process, 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 literary Genre studies.

221	HONORS ENGLISH LANGUAGE II	6ppc	1.00 cr.	Tr. 1	Gr. 10
222	ENGLISH LANGUAGE ARTS II	6ppc	1.00 cr.	Tr. 2	Gr. 10
223	ENGLISH LANGUAGE ARTS II	6ppc	1.00 cr.	Tr. 3	Gr. 10

English Language Arts II is 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.

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 and by writing arguments to support claims in an analysis of substantive topics or texts. Student 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 World and British studies.

231	HONORS ENGLISH LANGUAGE ARTS III	6ppc	1.00 cr.	Tr. 1	Gr. 11
232	ENGLISH LANGUAGE ARTS III	6ppc	1.00 cr.	Tr. 2	Gr. 11
233	ENGLISH LANGUAGE ARTS III	6ppc	1.00 cr.	Tr. 3	Gr. 11

English Language Arts III is a required course for all eleventh 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.

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.

235	AP LANGUAGE AND COMPOSITION	6ppc	1.00 cr.	Tr. 5	Gr. 11
-----	------------------------------------	-------------	-----------------	--------------	---------------

This course engages student in becoming skilled readers of British Literature written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose narrative, exploratory, expository and argumentative works. Students are required to take the AP Examination regardless of the course grade. **All AP students must purchase the AP Practice Test Book.** College credit may be gain for a score of 3 or better.

241	HONORS ENGLISH LANGUAGE ARTS IV	6ppc	1.00 cr.	Tr. 1	Gr. 12
242	ENGLISH LANGUAGE ARTS IV	6ppc	1.00 cr.	Tr. 2	Gr. 12
243	ENGLISH LANGUAGE ARTS IV	6ppc	1.00 cr.	Tr. 3	Gr. 12

English Language Arts IV is a required course for all twelfth 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.

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 studies.

245 AP LITERATURE AND COMPOSITION 6ppc 1.00 cr. Tr. 5 Gr. 12
This course is designed for students who have achieved the competence in reading and writing that will enable them to read and analyze works of literature on the collegiate level. "The teacher serves as a discussion leader, critic and scholar helping members of the class assume much of the responsibility of their own learning." (Excerpt- Advanced Placement Course Description, Princeton College Board). The three-hour Advanced Placement Exam given in May tests the student's ability to think critically and write analytically. Students are required to take the AP Examination regardless of the course grade. **All AP students must purchase the AP Practice Test Book.** College credit may be gained for a score of 3 or better.

239 HONORS COMMUNICATIONS 6ppc 1.00 cr. Tr. 1 Gr. 12
This Senior English Elective course covers four topics: College Writing, Creative Writing, The Study of the Media and Public Speaking. This course provides comprehensive and timely instruction in these four areas.

College Writing – Students will learn college application essay writing, personal writing, analytical writing, persuasive writing and other types of writing which will benefit them in college work in all fields.

Creative Writing – Students will apply their knowledge of the writing process and knowledge of the use of literary terms and techniques in composing poetry and short stories. No special talent in creative writing is required.

The Study of the Media – is a multidimensional aspect of the course. The media influences all aspects of life, and students must be ready to interpret and evaluate those influences in order to make intelligent and careful decisions in their lives. The areas covered will be television, film, the Internet and print. Not only will the professional media be studied, but students will learn to compose and produce their own media presentations on various topics and present them in class and as a service to other students in the school, and, on occasion, in the elementary schools.

Public Speaking – Students will compose and deliver speeches on various topics in order to develop self-confidence, poise and connection with an audience. Students will learn the various methods of expression to use according to the type of speech being presented. Multimedia presentations will be used in this portion of the course to enhance the speech making process.

A semester average of 93 and a final average of 93 or above are required for a student to enroll in this course. Miss Gallagher's signature is required on a form, which can be obtained in the Office of Academic Affairs. To show initial grade eligibility, please present a copy of your report card or generate a grade report from Grade Connect at the time you request Miss Gallagher's signature.

SOCIAL STUDIES COURSE OFFERINGS

The Social Studies Department recognizes that knowledge of God, one's nation and one's neighbor is an essential part of education. A person can effectively relate to each of these by developing a set of values which acknowledges the worth and dignity of each human being. The department works to do this by:

- PROVIDING students with a global outlook to help them appreciate the cultural achievements of all nations;
- ENCOURAGING tolerance for the view of others;
- DEVELOPING a critical sense in students to allow them to analyze problems and to make rational decisions based on principle rather than on emotion or prejudice;
- PREPARING students to become active, intelligent citizens in the United States.

The State of Pennsylvania guidelines require each student to complete a course in each of the following areas:

World History I
Freshman Year

World History II
Sophomore Year

American History
Junior Year

311	HONORS WORLD HISTORY I	6ppc	1.00 cr.	Tr. 1	Gr. 9
312	WORLD HISTORY I	6ppc	1.00 cr.	Tr. 2	Gr. 9
313	WORLD HISTORY I	6ppc	1.00 cr.	Tr. 3	Gr. 9
	World History 1 is a chronological study of the development of world civilizations from the Prehistoric World, through the River Valley Civilizations of the Middle East, Africa China and India to the Renaissance and Reformation. <i>Special Requirements: Quarterly projects and readings to be determined by each teacher.</i>				
321	HONORS WORLD HISTORY II	6ppc	1.00 cr.	Tr. 1	Gr. 10
322	WORLD HISTORY II	6ppc	1.00 cr.	Tr. 2	Gr. 10
323	WORLD HISTORY II	6ppc	1.00 cr.	Tr. 3	Gr. 10
	World History 2 is a chronological study of European History from the Age of Exploration and Enlightenment through the revolutions in France and the creation of the modern world. <i>Special requirements: Quarterly projects and readings to be determined by each teacher.</i>				
331	HONORS AMERICAN HISTORY	6ppc	1.00 cr.	Tr. 1	Gr. 11
332	MODERN AMERICAN HISTORY	6ppc	1.00 cr.	Tr. 2	Gr. 11
333	MODERN AMERICAN HISTORY	6ppc	1.00 cr.	Tr. 3	Gr. 11
	The first quarter of this course is an introduction to 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. <i>Special requirements: Quarterly projects and readings to be determined by each teacher.</i>				

Social Studies Electives: Students applying for electives must be in good academic standing. Students must have a general average of 85% or above in order to be considered for a social studies elective. **All students must sign up for the electives with Mr. Firmani (Department Chairperson). No student will be accepted into a social studies elective without the authorization of Mr. Firmani.**

335	AP US HISTORY	6ppc	1.00 cr.	Tr. 5	Gr. 11
	Advanced Placement American History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and readings in United States history. This program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by a full year introductory college course. All students taking this course must take the Advanced Placement Examination in May, regardless of course grades. <i>Prerequisite: World History 1 and World History II. Summer readings will be mandatory. NOTE: Students are also required to take a written examination and obtain letters of recommendation for approval into the course. Sophomores who have been selected to apply for this course will be notified of all acceptance criteria by Ms. O'Connor (Course Instructor) in April.</i>				

ALL SOCIAL STUDIES AP COURSES ARE BASED ON A SELECTION PROCESS. THERE IS NO GUARANTEE OF ACCEPTANCE.

341	HONORS PSYCHOLOGY	6ppc	1.00 cr.	Tr. 1	Gr. 11, 12
	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. Special requirements: Term and research papers will be required. Prerequisite: Overall average of 85% in previous English and Social Studies courses and approval/signature of the Department Chairperson (Mr. Firmani) required.				
351	HONORS GLOBAL STUDIES	6ppc	1.00 cr.	Tr. 1	Gr. 11, 12
	Major world events of the later half of the 20 th century will be studied. Special emphasis will be placed on the study of current problems and situations. These events will be viewed in their proper historical perspective. This course is designed to give the student a clear and in-depth understanding of our world in the 21 st Century. There is a small fee for the US News and World Report publication used in class. Summer reading will be required. Prerequisite: Overall average of 85% and approval/signature of the Department Chairperson (Mr. Firmani) required.				

355	AP PSYCHOLOGY	6ppc	1.00 cr.	Tr. 5	Gr. 12
	This 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 sub-fields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. NOTE: Students are also				

required to take a written examination and obtain letters of recommendation for approval into the course. Juniors who have been selected to apply for this course will be notified of all acceptance criteria by Mr. Firmani (Course Instructor) by April.

ALL SOCIAL STUDIES AP COURSES ARE BASED ON A SELECTION PROCESS. THERE IS NO GUARANTEE OF ACCEPTANCE.

AP PSYCHOLOGY STUDENTS MUST SELECT ONE BOOK TO READ OVER THE SUMMER. BOOK REQUIREMENTS WILL BE DISCUSSED AT THE AP MEETING.

Sybil by: Flora Rheta Schreiber
Description: A tale of one girl's struggles with abuse and how she developed "multiple" personalities to cope.

OR

Divided Minds by: Pamela Spiro Wagner & Carolyn S. Spiro
Description: Two sisters and their journey through Schizophrenia.

OR

Remembering Garrett by: Gordon H. Smith
Description: One family's battle with a child's Depression.

MATHEMATICS COURSE OFFERINGS

The Mathematics department goals are:

- to foster a positive attitude, cultivate a love for and enjoyment towards mathematics.
- to meet the individual needs of students by developing and challenging their capabilities, thus preparing them for intelligent citizenship and a career choice congruent with their potential.
- to provide students with the opportunity to develop mathematical competence appropriate to their abilities, thus building their self-confidence.
- to develop and strengthen problem-solving skills based on logical thinking, accuracy, articulation and communication, stimulating the thinking process.
- to develop proficiency with mathematical skills and a facility for the manipulative processes in Algebra.
- to foster the development of the students' character by expecting an effort worthy of their individual abilities and afford them the opportunity to experience and meet challenges.
- to contribute to the development of responsible leadership and a spirit of cooperation among students by providing the structure for group work, study groups and peer tutoring.

Use of Calculators: In keeping with the NCTM standards, scientific calculators and/or graphing calculators will be used in all classes.

RECOMMENDED SEQUENCE OF MATHEMATICS COURSES

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Honors	411 Algebra I	431 Geometry 421 Algebra II	441 Trig/PreCalculus 431 Algebra II	451 H. Calculus 441 Trig/Precalculus 455 AP Calculus
Track 2	412 Algebra I	422 Geometry	432 Algebra II	442 Trig/PreCalculus
Track 3	413 Algebra I	423 Geometry	433 Algebra II	443 Trigonometry

411	HONORS ALGEBRA I	6ppc	1.00 cr.	Tr. 1	Gr. 9
412	ALGEBRA I	6ppc	1.00 cr.	Tr. 2	Gr. 9
413	ALGEBRA I	6ppc	1.00 cr.	Tr. 3	Gr. 9
	Based on the National Common Core Standards, students taking Algebra I will examine structure in equations, will perform arithmetic with polynomials and rational functions, 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. <u>A graphing calculator is required.</u>				
421	HONORS GEOMETRY	6ppc	1.00 cr.	Tr. 1	Gr. 10, 11
422	GEOMETRY	6ppc	1.00 cr.	Tr. 2	Gr. 10
423	GEOMETRY	6ppc	1.00 cr.	Tr. 2	Gr. 10
	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. <u>A graphing calculator is required.</u> <i>Prerequisite: H. Algebra I, Algebra 1</i>				
431	HONORS ALGEBRA II	6ppc	1.00 cr.	Tr. 1	Gr. 11
432	ALGEBRA II	6ppc	1.00 cr.	Tr. 2	Gr. 11
433	ALGEBRA II	6ppc	1.00 cr.	Tr. 3	Gr. 11
	Based on the National Common Core Standards, students taking Algebra II will interpret and build functions, analyze functions using various representations and will construct and compare linear and exponential models and solve problems. Students will engage in trigonometric functions, modeling periodic phenomena with trigonometric functions, and will prove and apply trigonometric identities. Students will reason abstractly and quantitatively, will construct viable arguments and critique reasoning of others and will use appropriate tools of mathematics strategically. <u>A graphing calculator is required.</u> <i>Prerequisite: H. Algebra I, Algebra 1 and H. Geometry, Geometry. <u>Department approval</u> is required for Sophomores who wish to take this course concurrently with Geometry.</i>				
441	HONORS TRIG/PRECALCULUS	6ppc	1.00 cr.	Tr. 1	Gr. 11
442	TRIG/PRECALCULUS	6ppc	1.00 cr.	Tr. 2	Gr. 12
	A more in-depth study of topics introduced in Algebra 2 is undertaken and new advanced mathematical concepts are 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. Topics in data analysis, statistics and discrete mathematics are explored. Mathematical modeling and applications are emphasized throughout, as well as the use of the graphing calculator to study pre-calculus topics. <u>A graphing calculator is required.</u> <i>Prerequisite: Honors Algebra 1 and 2, Algebra 1 and 2, H. Geometry, Geometry and <u>Department Approval.</u></i>				
444	CONSUMER MATHEMATICS	6ppc	1.00 cr.	Tr. 3	Gr. 12
	This course is for the non-college bound senior. It is designed to cover all the skills students need to manage their personal finances and excel in everyday life. Financial management topics such as bank accounts, credit cards, loans and mortgages will be covered. <i>Prerequisite: Algebra 1, Geometry, Algebra II and Departmental Recommendation.</i>				
451	HONORS CALCULUS	6ppc	1.00 cr.	Tr. 1	Gr. 12
	This course designed for the student who has followed the Academic program in Mathematics. The course covers topics in Analytic Geometry and Calculus including the Limit, Continuous Functions, Derivatives and Integrals of Polynomial Functions, Algebraic Functions, and Trigonometric Functions. Students will use the graphing calculator to explore certain topics in the course of study. <i>Prerequisite: H. Algebra I and 2I, H. Geometry, H. Trig/PreCalculus. <u>Graphing calculators are required.</u> N.B.: <u>Departmental recommendation</u> is required for admission to the course.</i>				
455	AP CALCULUS	6ppc	1.00 cr.	Tr. 5	Gr. 12
	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. **Graphing calculator is required.** Students enrolled in AP courses are required to take the AP examination in the spring. Departmental (Chairperson and teacher) recommendation is required for admission to the course. *Prerequisite: Honors Algebra 1 and 2, Honors Geometry, Honors Trig/Precalculus and Department Approval.*

SCIENCE COURSE OFFERINGS

Since the principle aim of Science is truth, we strive to teach science in a manner that will enable the students to know better the Author of Creation. While teaching the basic principles that govern nature, we attempt to instill a respect for life and for all creation. For those who intend to pursue scientific careers, we try to provide a strong foundation on which they can build. We believe that all students whether or not they are scientifically gifted or motivated should become scientifically literate and realize that the created world of nature is not governed by chance.

RECOMMENDED SEQUENCE OF SCIENCE COURSES

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Honors	511 Biology	521 Chemistry	531 H. Physics 550 AP Chemistry 545 AP Biology 561 H. Anat./Physiol.	531 H. Physics 561 H. Anat./Physiol. 550 AP Chemistry 545 AP Biology 555 AP Physics
Track 2	512 Physical Science	522 Biology	532 Chemistry 552 Environ. Science 562 Anat./Physiol. 572 Foren./BioEth.	542 Concept Physics 562 Anat./Physiol. 532 Chemistry 572 Foren./BioEth.
Track 3	513 Physical Science	523 Biology	533 Chemistry 553 Environ. Science 563 Anat./Physiol. 572 Foren./BioEth.	533 Chemistry 553 Environ. Science 563 Anat./Physiol. 572 Foren./BioEth.

511 HONORS BIOLOGY **7ppc 1.00 cr. Tr. 1 Gr. 9**
 Designed for the college-bound student, 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 thinking.

512 PHYSICAL SCIENCE **6ppc 1.00 cr. Tr. 2 Gr. 9**
513 PHYSICAL SCIENCE **6ppc 1.00 cr. Tr. 3 Gr. 9**
 General information of limited physical science topics is covered in this course. These topics are light, sound, states and classification of matter, basic chemical reactions, and atomic theory. Some basic science investigations are used to develop the scientific method.

521 HONORS CHEMISTRY **7ppc 1.00 cr. Tr. 1 Gr. 10**
 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 attitudes, understandings and skills, which provide a foundation for students who hope to pursue careers in science. *Prerequisite: Departmental recommendation and Algebra I, Track 1 and Average of 80 and Honors Biology.*

- 522 **BIOLOGY** 6ppc 1.00 cr. Tr. 2 Gr. 10
 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 evolution, genetics, cell biology and ecology.
- 523 **BIOLOGY** 6ppc 1.00 cr. Tr. 3 Gr. 10
 This general course is designed for the student who desires a basic knowledge in the study of life. It offers the student an opportunity to become familiar with the cell, plant and animal systems, genetics, microbiology and ecology. Emphasis is placed on observation and the inquiry method laboratory approach.
- 531 **HONORS PHYSICS** 6ppc 1.00 cr. Tr. 1 Gr. 11, 12
 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. *Prerequisite: Departmental recommendation and two years of Track 1 Math with grade no lower than 80 and Honors Chemistry.*
- 532 **CHEMISTRY** 6ppc 1.00 cr. Tr. 2 Gr. 11,12
 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. *Prerequisite: Departmental recommendation and Algebra I and II, Average of 80 and Biology.*
- 533 **CHEMISTRY** 7ppc 1.00 cr. Tr. 3 Gr. 11, 12
 This course is for the student who desires to gain basic knowledge of chemistry. Sufficient elementary chemistry is taught to provide a foundation for college bound students as well as those who are interested in the chemistry or science related technological career. Laboratory experiments are conducted to demonstrate and reinforce the physical concepts. *Prerequisite: Departmental recommendation and Algebra I and II, Track 3 and Biology.*
- 542 **CONCEPTUAL PHYSICS** 7ppc 1.00 cr. Tr. 2 Gr. 12
 Conceptual Physics is based more on the concepts of 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. While the level of mathematics is not as demanding as the honors physics course, basic algebra and geometry are used to a significant extent. A laboratory component is integral to the course. *Prerequisite: Departmental recommendation, Algebra I and II, Geometry, Track 2, Average of 80.*
- 545 **AP BIOLOGY** 8ppc 1.00 cr. Tr. 5 Gr. 11, 12
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 biology, molecular biology, molecular evolution, botany, zoology, ecology and classification. **All students in Advanced Placement Biology are required to take the Advanced Placement Examination in May regardless of their course grade.** *Prerequisite: Departmental recommendation, Biology, Chemistry. Students purchase their texts.*
- 550 **AP CHEMISTRY** 8ppc 1.00 cr. Tr. 5 Gr. 11, 12
Advanced Placement Chemistry is designed to challenge the above-average student interested in gaining advanced skills and knowledge of chemistry. The course outline follows the Advanced Placement Guide as published by the College Board. Topics include an in-depth coverage of atomic and molecular structure, bonding, states of matter, reactions, stoichiometry, equilibria, kinetics and thermodynamics. **All students in Advanced Placement Chemistry are required to take the Advanced Placement Examination in May regardless of their course grade.** *Prerequisite: Departmental recommendation, Biology and Chemistry. Students purchase their texts.*

555 AP PHYSICS **8ppc 1.00 cr. Tr. 5 Gr. 12**
Advanced Placement Physics is meant for the above-average student who is interested in gaining advanced placement credit for physics. The course outline is found in the Advanced Placement Physics Guide as published by the College Board. Topics include: kinematics, dynamics, energy, momentum, rotational kinematics, rotational dynamics, electricity and magnetism. **All students in Advanced Placement Chemistry are required to take the Advanced Placement Examination in May regardless of their course grade.** *Prerequisite: Departmental recommendation, H. Physics and Algebra II.*

552 Environmental Science **6ppc 1.00 cr. Tr. 2 Gr. 11, 12**
553 Environmental Science **6ppc 1.00 cr. Tr. 3 Gr. 11, 12**

The main purpose of this course is to make students aware of environmental issues and problems such as water, air and ground pollution, pesticides, ecosystems and energy resources. This course fulfills the third science requirement. *Prerequisite: Biology*

561 HONORS ANATOMY/PHYSIOLOGY **6ppc 1.00 cr. Tr. 1 Gr. 11, 12**
562 ANATOMY/PHYSIOLOGY **6ppc 1.00 cr. Tr. 2 Gr. 11, 12**
563 ANATOMY/PHYSIOLOGY **6ppc 1.00 cr. Tr. 3 Gr. 11, 12**

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 medical field. Previous Chemistry credit or concurrent Chemistry enrollment highly recommended.

572 FORENSIC SCIENCE **6ppc 1.00 cr. Tr. 2 Gr. 11, 12**

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 Forensics aspect of 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 will emphasize inquiry-based learning and problem solving. *Prerequisite: Biology and Chemistry. Can be taken concurrent with Chemistry.*

WORLD LANGUAGES COURSE OFFERINGS

In keeping with the philosophy of the school, the World Languages Department focuses upon the Gospel spirit of freedom and charity for all nations. We believe that teacher of foreign languages serve the Family, the Church, and the State, as they help all students to develop their linguistic capabilities in an atmosphere of faith, understanding and acceptance. The World Language Department of Conwell-Egan Catholic High School recognized that the primary function of language learning is to communicate, first through listening and speaking and then through writing and reading. A concomitant objective of language instruction is to develop in the students an understanding and appreciation of foreign peoples, of their countries and of their cultures.

Programs are offered in **Spanish and Italian**. *Conwell-Egan Catholic requires that all students take two consecutive years of the same language.* This requirement exists because it is essential for students to study at least two years of any one language to become proficient in that language. *Students may be required to purchase workbooks for all levels of language study.*

CAREERS IN WORLD LANGUAGES

It is becoming increasingly more profitable for student to continue to study modern foreign languages beyond the second year in high school. The World Languages Department and Guidance Office maintain current information on career opportunities for language majors. Career opportunities exist for those with a foreign language as an adjunct skill in professions such as science, nursing, banking, engineering, accounting, hotel management, etc.

651 HONORS SPANISH I **6ppc 1.00 cr. Tr. 1 Gr. 9, 11**

This introductory course for the gifted, college-bound student emphasizes the four skills of listening, speaking, reading and writing at an accelerated pace. With the aid of tapes of native speakers, students are challenged in both listening and written comprehension. They are expected to initiate complete thoughts on their own, both orally and in writing, using a limited vocabulary.

- 652 SPANISH I** **6ppc 1.00 cr. Tr. 2 Gr. 9, 11**
 This introductory course for the above average student is similar to that of track one, although the challenge and intensity are somewhat modified. Practice in pronunciation drills, speech patterns, and simple grammatical sentences are stressed, with the use of a basic vocabulary. Tapes that accompany the text are employed to supplement each lesson. Glimpses into the life and customs of Spanish-speaking peoples are gained principally through the text and audio-visual materials.
- 653 SPANISH I** **6ppc 1.00 cr. Tr. 3 Gr. 9, 11**
 For the average student, this course aims to emphasize the four basic skills of listening, speaking, reading and writing at a pace in keeping with the student's ability. It stresses speech patterns, basic vocabulary and simple grammatical structures. As in tracks one and two, the text, along with supplementary audio-visual materials, is used to help the student gain a better understanding and appreciation of the various Hispanic cultures.
- 654 HONORS SPANISH II** **6ppc 1.00 cr. Tr. 1 Gr. 10, 12**
 This is a second level course designed for the student who demonstrated superior ability in the first year course. While continuing to develop reading and writing skills, more emphasis is placed on listening and speaking skills at this level. This quick-paced course encourages the conversational use of the target language including correct idiomatic usage and also expands the student's knowledge of grammar and culture. *Prerequisite: H. Spanish I with a first semester grade of 85 or above.*
- 655 SPANISH II** **6ppc 1.00 cr. Tr. 2 Gr. 10, 12**
 This intermediate Spanish course is for the above average student. It further develops the four basic skills of listening, speaking, reading and writing, which were initiated during the first year of Spanish study. The scope of the vocabulary is enlarged and more complicated structural patterns are introduced. Students are exposed to the Spanish culture through special projects and field trips.
- 656 SPANISH II** **6ppc 1.00 cr. Tr. 3 Gr. 10, 12**
 This course further develops the skills of listening, speaking, reading and writing with special emphasis on building on basic skills learned in Spanish I. Students will also learn about Spanish culture.
- 657 HONORS SPANISH III** **6ppc 1.00 cr. Tr. 1 Gr. 11, 12**
 Designed for the linguistically gifted, this intensified course aims at refining and strengthening communication skills. Extensive exposure to authentic Spanish materials helps the students to better understand the Spanish people and their culture. *Prerequisite: Satisfactory completion of Honors Spanish I and a first semester grade of 85 or above in Honors Spanish II.*
- 658 SPANISH III** **6ppc 1.00 cr. Tr. 2 Gr. 11, 12**
 This course is designed for the above-average student with an emphasis on the development of listening and speaking skills. Grammatical structures are supplemented and reinforced by exercises leading to a gradual expansion of creative writing skills. Selected readings expose the student to authentic Hispanic culture. *Prerequisite: Semester grade of 85 or above in 655 Spanish II.*
- 670 HONORS SPANISH IV** **6ppc 1.00 cr. Tr. 1 Gr. 12**
 This course is a Senior Elective geared to the very industrious student. Its goal is to prepare student for language study in a college setting. This course is taught at an accelerated pace. Intense oral and grammatical practice is reinforced through extensive reading and writing. *Prerequisite: Three years of Track 1 Spanish and the approval of the Department Chairperson.*
- 661 HONORS ITALIAN I** **6ppc 1.00 cr. Tr. 1 Gr. 9, 11**
 This course is designed for those serious students who are academically gifted and who possess the aptitude, attitude, and the motivation to work hard. This course exposes students to the fundamentals of the Italian language and to the history, art, literature, music and the culture of the Italian people. The aim of this course is to enable students to acquire the necessary skills to write, read, understand and speak in the target language and to acquire an overall understanding and appreciation of the Italian way of life.
- 667 ITALIAN I** **6ppc 1.00 cr. Tr. 2 Gr. 9, 11**
 This introductory course for the above average student is similar to that of track one, although the challenge and intensity are somewhat modified. Practice in pronunciation drills, speech patterns, and simple grammatical sentences are stressed, with the use of a basic vocabulary. Students will explore the life and customs of Italian-speaking peoples by gaining knowledge through text and audio-visual materials.

- 662 HONORS ITALIAN II** **6ppc 1.00 cr. Tr. 1 Gr. 10, 12**
 This course is designed for those students who have demonstrated above average ability, aptitude and attitude in the first year course. It is a challenging course. It focuses on all communicative competencies introduced in thematic context. All aspects of Italian life and culture will be integrated in this program. *Prerequisite: Recommendation of the Italian 1 teacher and Departmental approval.*
- 663 HONORS ITALIAN III** **6ppc 1.00 cr. Tr. 1 Gr. 11, 12**
 Designed for this linguistically talented student, a more intense exposure to the language, in an audio-visual setting, is presented to student of Italian. Grammar and vocabulary are presented in a thematic context to help students refine and expand their listening and speaking skills. Communication and fluency improve through conversations on cultural topics. In addition, Italian 3 presents a method of growing in the understanding of various aspects of Italian life. To help achieve this goal, students will continue to explore cultural topics such as music, art, history, food and lifestyle. *Prerequisite: Departmental approval.*
- 664 HONORS ITALIAN IV** **6ppc 1.00 cr. Tr. 1 Gr. 12**
 Honors Italian 4 is for those serious students who have demonstrated a genuine interest in the study of Italian, and who possess a better than average aptitude and attitude toward learning a foreign language. This course is challenging, demanding and rewarding. It is designed to further enhance all language skills and to continue to expose students to the Italian language and culture at a more advanced level. Major emphasis is placed on developing communication skills. *Prerequisite: Three years of Track 1 Italian and the approval of the Department Chairperson.*
- 672 ENGLISH AS A SECOND LANGUAGE** **6ppc 1.00 cr. Tr. 2 Gr. 9, 10, 11, 12**
 ESL is designed to help those students whose first language is one other than English. Students will work individually and in small groups geared to their knowledge of and facility with English. The course will include speaking, listening, reading and writing English as well as discussions on American culture. The class will also offer assistance to students in studying and preparing for their other classes. This course will count as a World Language credit. Juniors and Seniors will prepare to take the TOEFL exam. **REQUIRED OF ALL NON-NATIVE SPEAKERS THEIR FIRST YEAR OF ATTENDANCE AT CEC.**

BUSINESS/TECHNOLOGY COURSE OFFERINGS

The Business/Technology Education curriculum, combining Christian principles with authentic business ethics, is designed to prepare students morally, intellectually and socially. The program of study has been structured to better prepare and equip students for college or other future academic endeavors as well as to encourage and to assist them to enter and succeed in the business world. The ultimate goals of the Business/Technology Department are to:

- PROVIDE students with a contemporary knowledge of the business world which will better enable them to achieve their own business and economic goals.
- INSTILL in the students a true appreciation and better understanding of the business sector in order that they can and will be more ethical, knowledgeable and productive members of society.
- DEVELOP marketable computer skills needed to function in today's every-changing technological society.

- 712 TECHNOLOGICAL COMMUNICATIONS I** **6ppc .50 cr. Tr. 2 Gr. 9**
 This course prepared students to work in a more connected digital world and create a learning system of interactive sharing of information. **Note: This course is mandatory for all Freshmen.**
- 732 TECHNOLOGICAL COMMUNICATIONS II** **6ppc 1.00 cr. Tr. 2 Gr. 11, 12**
 This course uses Technology to enhance the effectiveness of communication in a 21st century world. It introduces students to a variety of new and emerging technologies used in today's on-line environment. The focus is on design and problem solving techniques: how to think and how to learn. Technology profoundly influences business communication making technological competence a requirement for career advancement. *Prerequisite: Technological Communications I.*
- 742 HONORS MULTIMEDIA/WEB DESIGN** **6ppc 1.00 cr. Tr. 1 Gr. 12**
 This is a one-year course focusing on Web Design and Photoshop. The student will learn how to develop well-designed Web sites that combine effective navigation with the use of graphics, text and color. Photoshop will also be explored, students will learn how to use basic features found in Photoshop such as

adjusting the size, resolution, coloring and brightness and contrast of images. The advantages of using layers within Photoshop to preserve work for future updates and changes will also be discussed.

- 762 ACCOUNTING** **6ppc 1.00 cr. Tr. 2 Gr. 11, 12**
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 stockholder's 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). Students are required to purchase supplemental course materials (e.g. Working Papers and Accounting Templates CD).
- 772 H. INTERNATIONAL BUSINESS** **6ppc 1.00 cr. Tr. 1 Gr. 12**
This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution and managing international business effectively.
- 792 PERSONAL FINANCE/BUSINESS LAW** **6ppc 1.00 cr. Tr. 2 Gr. 11, 12**
This is a one-year course focusing on Business Law and Personal Finance. In the first semester students will focus on their rights and responsibilities as a citizen in the American society. Students will be exposed to a comprehensive study of the many facets of the United States legal system such as history, criminal, civil and consumer law. Contract law insurance credit and real estate will also be discussed. Second semester will focus on personal financial asset management, including income and expense budgeting. Emphasis also placed on consumer credit, insurance, investments, home ownership and taxation.

FINE ARTS COURSE OFFERINGS

The fine Arts Program offers Visual Arts and Music to students possessing artistic talent. Emphasis is on the development of creative potential and individual expression. **Note: REQUIRED Art Fee and Music Fee are charged to cover certain in-course costs.**

ART COURSES

- 821 HONORS ART I - Foundation** **6ppc 1.00 cr. Tr. 1 Gr. 9, 12**
Art 1 is a foundation 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. Students will be introduced to various MAC programs such as Photoshop and Illustrator. Prerequisite: Acceptable art samples and permission of the Department Chairperson.
- 831 HONORS ART II- Design** **6ppc 1.00 cr. Tr. 1 Gr. 10, 12**
Art 2 is offered to grades 10, 11 and 12. These students will pursue a more advanced study of art than introduced in Art 1. 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. Prerequisite: Recommendation of the Department Chairperson.
- 841 HONORS ART III - Portfolio** **6ppc 1.00 cr. Tr. 1 Gr. 11, 12**
Required Summer Reading: *The Girl with the Pearl Earring* by Tracy Chevalier
This course is offered to Honors Art students with an acceptable grade in Honors Art 2. Art 3 is primarily designed as a portfolio and college preparation program. Knowledge of computer operation will be used 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. Specific course criteria and recommendation of the Department Chairperson is required. Prerequisite: Recommendation of the Department Chairperson.
- 851 HONORS ART IV** **6ppc 1.00 cr. Tr. 1 Gr. 12**
This course is designed for the serious artist. It will concentrate on problem solving, developing and pursuing a theme and exploration of ideas. Prerequisite: Recommendation of the Department Chairperson.

- 861 AP STUDIO ART** **6ppc 1.00 cr. Tr. 1 Gr. 12**
 AP Art provides an open-ended approach, which allows the student to explore and develop a college level portfolio of work within a structured framework of art elements and principles. This portfolio follows the requirements of the AP Board in content and philosophy. To qualify, a student must present the Art Chairperson with a request of intent and a portfolio of original work in April of Junior Year. Qualified students will begin working toward their AP requirements in the summer before senior year.

MUSIC COURSES

- 800 H. JAZZ ENSEMBLE** **6ppc 1.00 cr. Tr. 1 Gr. 9, 12**
 A performing ensemble with jazz repertoire. Students will learn about the history of this American art form, techniques and styles of performance, theory and improvisation all with a focus on performing in a small group setting. Students with experience playing guitar, bass, drums, piano and all brass and woodwind instruments are eligible to be a member of the group, as well as vocalists. All interested student must demonstrate instrumental or vocal ability and obtain prior approval from the instructor in order to join. Repertoire and theory exercises will be assigned over the summer and completion of the assignments will be required upon the first day of classes. Incoming freshmen will be able to arrange appointments and obtain materials to be considered for the group by email to jbeauchamp@conwell-egan.org. Interested ensemble members MUST be in the class in order to participate.
- 805 H. CHORAL MUSIC** **6ppc 1.00 cr. Tr. 1 Gr. 9, 12**
 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.
- 806 H. MUSIC THEORY** **6ppc 1.00 cr. Tr. 1 Gr. 11, 12**
 Students will learn the structural elements of music. Written concepts will include treble, bass and alto clef reading, identifying intervals, scale construction, rhythmic patterns, and chord construction and function. Aural skills taught in the class will include interval identification; rhythmic and melodic sight singing, identification of chord qualities, rhythmic and melodic dictation and transcription. Focus will be on practical applications of theoretical concepts in a wide variety of musical styles. Prior instrumental or vocal music experience required.
- 812 RELATED ARTS – REQUIRED** **6ppc 0.50 cr. Tr. 2 Gr. 9**
 This class introduces students to the arts through the experience of performing in a vocal ensemble. Artistic concepts of tone, phrasing, analysis and expression are taught through rehearsal and performance of appropriate repertoire. Students learn the concepts of preparation, collaboration and the artistic process by working together to prepare for the concert performance. Participation in the concert program each semester is required.

PHYSICAL EDUCATION AND HEALTH COURSE OFFERINGS

Physical Education is one phase of school that lends itself to the development of character and fair play. Opportunities to give, to take and to cooperate with one another are numerous. Classes provide the ideal setting for developing the Christian values of fair play and cooperation regardless of ability level.

Health Education gives the student a basic knowledge of health related problems and to equip the student with the resources to cope with these problems now and in adult life as well.

**EACH STUDENT IS REQUIRED BY STATE LAW TO TAKE AND PASS HEALTH AND PHYSICAL EDUCATION
 IN ORDER TO GRADUATE.**

- 900 PHYSICAL EDUCATION/HEALTH** **6ppc 1.00 cr. Tr. 2 Gr. 10**
 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 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, social drugs, communicable diseases, nutrition, fitness, physiology, CPR and first aid.

EAST INITIATIVE (<u>E</u>NVIRONMENTAL <u>A</u>ND <u>S</u>PATIAL <u>T</u>ECHNOLOGY)

782	HONORS EAST INITIATIVE	6ppc 1.00 cr. Tr. 1 Gr. 9, 12
------------	-------------------------------	--------------------------------------

EAST (Environmental and Spatial Technology) is a course that uses cutting-edge technology to complete service projects for the school, community and the world. Students work as a team with a facilitator to define the need, plan the process and execute the project. Students become experts in programs like GPS, GIS, animation and film editing software, web design, CAD and computer gaming creation. EAST is open to students from grades 9 through 12 from all track levels. Any student successfully completing one year of EAST, may reapply for successive years in the course. There is a \$100 Lab Fee per year for all students enrolled in EAST. Prerequisite: Completion and approval of application by selection committee. Applications can be obtained in the Academic Affairs Office.

HUMANITIES SEMINAR

010	HONORS HUMANITIES SEMINAR	1.00 cr. Tr. 1 Gr. 11, 12
------------	----------------------------------	----------------------------------

This elective course is available to juniors and seniors who would benefit from belonging to a Project-based Learning Community. This course requires a great deal of self-direction and individual responsibility. The topics will be determined on the student's individual interests, talents and educational goals. Students will investigate a number of Humanities based components. There will be several face-to-face meetings throughout each quarter or marking period. Additional meeting times may be scheduled at the request of the participants. Assignments for the course and communications throughout the quarter will take place with Seminar Facilitators primarily on the Humanities NING and face-to-face. The Seminar Facilitators will be regularly available for conferences and to answer student questions. **Principal's signature is required.**