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PROFILE OF AN EAST CATHOLIC GRADUATE 35

GRADUATION REQUIREMENTS

*Minimum of 25 credits are required for graduation including:

- 4 English
- 4 Religion
- 4 Mathematics
- 3 Science (Biology required)
- 3 Social Studies (Civics & U.S. History required)
- 3 World Languages
- 1 Fine Arts

In addition, students must also complete Health and Wellness, and Physical Education requirements. Each student is required to complete a minimum of 40 hours of community service over four years.

**Starting with the Class of 2024, students are required to have one credit for Integrated Technology.*

HONOR ROLL DIVISIONS

- Honors with Distinction
90 average, no grade below 85
- First Honors
85 average, no grade below 80
- Second Honors
80 average, no grade below 80
- Passing Grade: 60

Honors Courses

Literary Arts, American Literature, English III, Senior English
ECCE, Music Theory, Jazz Band, Advanced Projects: Studio & Digital Arts
Algebra 1, Geometry, Algebra 2,
Pre-Calculus, Calculus, Probability & Statistics
Bible Survey, Church & Sacraments, Call to Faith, Christian Ethics
Biology, Chemistry, Physics, Forensic Science, Engineering
World Civilizations, Modern World Civilizations/Civics, U.S. History, Economics
Latin 1, 2, 3/4, French 1, 2, 3, 4, Spanish 1, 2, 3, 4

Advanced Placement Courses

English Language and Composition
English Literature and Composition
Studio Arts Program, Music Theory
Calculus AB, Calculus BC
Biology, Chemistry
U.S. History, European History
French, Spanish

MISSION STATEMENT

East Catholic High School is a regional college-preparatory school of the Archdiocese of Hartford. Building on Catholic Tradition and the charism of the Sisters of Notre Dame de Namur, we challenge our students to build strong moral character while pursuing academic excellence, responsible citizenship, active participation in community service, sportsmanship, and an appreciation for the fine arts. Guided by the teachings of Jesus Christ, East Catholic is a welcoming environment for all students.

UConn EARLY COLLEGE EXPERIENCE

UConn Early College Experience (ECE) is a dual enrollment program that allows motivated high school students to take UConn courses in high school for both high school and college credit. Currently three ECE classes — European History, Calculus and Physics — are available at East Catholic. UConn's Early College Experience is nationally accredited by The National Alliance of Concurrent Enrollment Partnerships (NACEP).

GRADING SYSTEM

Students are grouped homogeneously in each subject area on the basis of past achievement, teacher recommendation and standardized tests. East Catholic uses a weighted Grade Point Average (GPA) based on a 4.0 scale. The weighted GPA takes into account the fact that more advanced courses earn more quality points for a grade than the same grade in a less difficult course. Thus, each numeric grade is assigned quality points adjusted according to the level of the course and the credit earned. **All courses offered at East Catholic High School are college preparatory.** The school does not use class rank and does not name a valedictorian or salutatorian. Instead, East Catholic honors its top graduates as the Archbishop Henry J. O'Brien Scholars.

ACADEMIC SUPPORT

Academic support is available in the Saint Julie Academic Center (SJAC) or through individual meetings with teachers. Students can be tutored in the SJAC during their study periods.

COURSE CHANGES

Students will receive a list of their course selection for the following academic year in early June. Students and parents should review this list and request any course changes as soon as possible. All course selections are considered final after September 11th. Students or parents initiating any changes after September 11th require a \$100 course change fee. The fee is waived if the change is initiated and recommended by the student's current teacher, school counselor, or the Vice Principal.

LEVEL CHANGES

Extenuating circumstances may necessitate a level change after the deadline. The level change is made in collaboration with the teacher, department chair, school counselor and parent and requires the approval of the Vice Principal. All changes are subject to space availability. When a level change happens after the student has completed one quarter (or more), the original course with the grade(s) earned will appear on the student's report card. In addition, the report card will also include the new course and grades earned in subsequent quarters (see sample report card below-courses 011/01 and 012/01).

#	CRS/SC	COURSE NAME	0	1	2	3	4	5	6	7	8	9	10CR
			TCH	1st	2nd	MEX	MID		3rd	4th	FEX		FNL
1	118	Ch & Sac	206	93			93						93
2	687	Chemistry	71	97			97						97
3	546	Civics	178						95	91	84		91
4	765	Dig Ar&Des	67						94	91			93
5	022	English II	77	86	91	85	88		95	92	87		90
6	115	H Ch & Sac	183		95	82	91		92	92	90		91
7	631	H Chem	71		87	78	84		90	87	60		83
8	221	H Geometry	40	90	98	81	91		93	99	64		90
9	421	H Spanish2	113	86	92	89	89		87	93	80		89
10	629	Health	202	98	97		98						97
11	536	ModWrldCiv	178	99	93	83	93						93
12	922	WintSptsPE	162						EX	EX			EX

The student's transcript will also reflect the course level change. Final GPA for the course will be calculated using the quality points and credits earned in each level (see sample transcript below)

#	COURSE	LEV	ABS	FNL	CREDIT
022	English II	Adv		90	1.00
115	Honors Church & Sacrament	Hon		91	0.75
118	Church & Sacraments	Adv		93	0.25
221	Honors Geometry	Hon		90	1.00
421	Honors Spanish 2	Hon		89	1.00
536	Modern World Civilization	Adv		93	0.50
546	Civics	Adv		91	0.50
629	Health			97	0.25
631	Honors Chemistry	Hon		83	0.75
687	Chemistry	Adv		97	0.25
765	Digital Art & Design	Adv		93	0.50
922	Winter Sports Phys Ed			EX	0.25
TOTAL CREDITS:					7.00

PHILOSOPHY STATEMENT

East Catholic High School, a college-preparatory school of the Archdiocese of Hartford, serves students from more than thirty-five towns in the Greater Hartford area and eastern Connecticut. At East Catholic, we strive to teach as Jesus did, challenging, loving, and guiding our students, all within a welcoming and nurturing environment. We believe that our success in educating a student is only possible when the faculty and staff of East Catholic, the student, and the parent work in partnership and agree upon the core beliefs expressed in our mission statement. We attempt to create an authentically Catholic yet ecumenically sensitive atmosphere in which each student can grow spiritually and intellectually.

Inspired by the charism of our founding order, the Sisters of Notre Dame de Namur, we seek to proclaim God's goodness in all things by educating the whole person—spirit, mind, and body. We form students who are increasingly aware of their spiritual lives as central to their being, and we cultivate this awareness through our curriculum, our extensive retreat and spiritual formation programs, and service learning. Our instruction in faith and justice is grounded in Catholic social teachings which acknowledge the value and dignity of all human life. The academic program at East Catholic, which is based on archdiocesan, state, and national curriculum standards, seeks to address the needs of students of varying academic abilities and prepares all learners for advancement to the college level. Our curriculum and comprehensive co-curricular program encourage all students to challenge themselves academically and physically and to develop their God-given talents. We aspire to develop students who think critically and cultivate life-long learning. We are committed to producing graduates who act with integrity and self-discipline as good citizens of their country and Christian leaders for the Church and the world.

SCHOOL COUNSELING DEPARTMENT

Inspired and directed by East Catholic's mission and philosophy, the school and college counseling team assists in the growth and development of each student. Counselors facilitate a broad range of academic and personal counseling services throughout the year. While individual, group, and class counseling sessions address student needs, the emphasis remains on the individual conference between counselor and student.

As a Catholic college-preparatory high school, it is our mission to create the conditions that encourage all of our students to excel spiritually and academically. To that end, we provide a breadth of courses that will provide each student, when appropriately placed, with the greatest opportunity for success and continued intellectual growth. We ask that you seriously consider your course selections, keeping in mind your "big picture" but not losing sight of where you are as a learner at this point in your academic development.

Therefore, this guide is provided as a resource and should not be considered a substitute for the recommendations of your teachers, the insights of each department's instructional leader, and your school counselor. We encourage you to engage your current teachers and utilize their input effectively. The course selection process should provide you and your family with a basis for meaningful, informed discussion. All of us here at ECHS – those listed above, as well as your administrators – are available to help.

The department's agenda includes administering and interpreting standardized tests; discussing and planning student schedules and 4 year course plan; reviewing grades; hosting parent conferences, as needed; consulting with other professionals such as teachers, campus ministers, social workers and administrators; and guiding students through the college and scholarship search and application process.

As part of the college preparatory program, the department schedules evening informational programs that are relevant and planned to coincide with milestones in the student's academic career. We strongly encourage active parent participation at these events.

Freshman Year: The primary focus during this pivotal developmental year is to assist freshmen with the transition to high school. Counselors meet with incoming students and families to develop and revise challenging, yet appropriate schedules prior to entrance; adjustment of any schedule conflicts; conduct a personal conference with freshman during the first month of school; are available for drop-in sessions as needed; and plan the 10th grade schedule. Freshmen are introduced to Naviance, a web-based program which assists students with developing a better understanding of themselves through the use of personality, career, and learning style inventories. Parents are encouraged to discuss the results of these assessments with their student, and to reach out to counselors with questions. Each year, students are assigned a new set of tasks in Naviance. These tasks culminate in the senior year with college and scholarship applications.

Sophomore Year: Review of schedules and adjustment of any schedule conflicts; administration of PSAT (October); classroom explanations of PSAT significance and ways to build SAT test taking skills; follow-up individual conferences to evaluate PSAT score data; review individual academic performance assessments; hold drop-in conferences as needed; review of Naviance tasks and completion, encouraging use of Naviance inventories to learn more about one's own talents and interests and encourage continued building of resume. Review program for college planning and potential NCAA eligibility; and to introduce the junior year Planning for College Program; plan 11th grade schedule.

Junior Year: Review schedules, adjustment of any schedule conflicts, and graduation credit requirements; administer PSAT (October) and review results; hold individual conferences focusing on the important link between academic progress and the college/career search process; host College Rep Panel for all juniors with college admissions officers present (December); host Junior College Planning Night (February) at which time a panel of seniors shares their college exploration and application experience, and distribute our "Guide for College Planning"; visit classrooms for SAT preparation (March) for SAT testing (May) and SAT II testing (June); plan 12th grade schedule. Continue to emphasize using the Naviance program for resume building, college and scholarship exploration, and career interest.

Senior Year: Review of schedules and graduation credit requirements; host Senior Night for students and parents (September) to review application process; meet with students individually regarding SAT and college application procedures. Continue to use Naviance as seniors move through the college application process; continue building of resume, updating "Colleges I'm Applying To" on a regular basis, creating a Common Application account, and signing up for visits with college admission reps throughout the Fall. Counselors also host a Financial Aid Night for parents with info on completing the FAFSA and the CSS Profile (September); continue to meet with seniors individually to help appropriate college decision making; are available for drop-in conferences as needed; write counselor letters of recommendation; one-on-one senior exit interviews (Spring).

IMPORTANT NOTE - All courses listed in this Program of Studies will be offered unless enrollment is insufficient to justify the reasonable allocation of staff and resources.

ENGLISH DEPARTMENT

The English Department at East Catholic High School is committed to fostering in its students a love of reading, an appreciation of good literature, and the ability to express themselves clearly, whether in a written or spoken format. In a program designed to fit their academic ability, all students read literature of the American and British traditions, as well as those of other cultures. Writing is integrated throughout the four years. Students who qualify are encouraged to take the AP Language and Composition course junior year and AP Literature and Composition or the UCONN ECE senior year. All ninth graders are required to take an additional Freshman Seminar course that reinforces organizational and study skills.

060 AP English Literature and Composition – Advanced Placement

Grade 12 **1 credit**

Prerequisites: Placement in AP English is reserved for students who have successfully completed AP English Language and Composition or Honors English III, and who receive the recommendation of their junior-year English teacher and the department chairperson.

AP English is a rigorous course designed not only to be challenging but also to be a thorough preparation for the AP Literature and Composition exam. Students read significant works of literature from all the major genres: poetry, fiction (novels and short stories), and drama. Through a large amount of reading and writing, students will develop crucial critical reading and analytical skills, as well as develop and refine their essay writing skills. Daily class participation is also important and expected.

041 Honors Senior English – Honors

Grade 12 **1 credit**

In the first semester of Honors Senior English, students will undertake an in-depth study of the art of effective writing. Through frequent and varied assignments which will anticipate college level writing, students will continue to strengthen their grasp on the writing process, will further develop their mastery of the rhetorical modes (narrative, descriptive, persuasive, expository), and will grow as editors through peer-review sessions. Students will also continue with their study of grammar and vocabulary. The semester will culminate with a research paper that will serve as the midterm examination.

In the second semester students will study major British authors in a series of curriculum units. These units may include a British novel, Shakespeare, and British poetry.

042 Senior English – Advanced

Grade 12 **1 credit**

In the first semester of this accelerated senior English course, students will study the art of effective writing. Students will continue to strengthen their grasp on the writing process, will further develop their mastery of the rhetorical modes (narrative, descriptive, persuasive, expository), and will grow as editors through peer-review sessions. Students will also continue with their study of grammar and vocabulary. The semester will culminate with a research paper that will serve as the midterm examination.

In the second semester students will study major British authors in a series of curriculum units. These units may include a British novel, Shakespeare, and British poetry. Students also complete a public speaking unit.

043 Senior English - College Prep

Grade 12 **1 credit**

In the first semester of this senior English course, students will study the art of effective writing. Students will continue to strengthen their grasp on the writing process, will further develop their mastery of the rhetorical modes (narrative, descriptive, persuasive, expository), and will grow as editors through peer-review sessions. Students will also continue with their study of grammar and vocabulary. The semester will culminate with a research paper that will serve as the midterm examination.

In the second semester students will study major British authors in a series of curriculum units. These units may include a British novel, Shakespeare, and British poetry. Students also complete a public speaking unit.

FINE ARTS DEPARTMENT

Fine Arts influence the very spirit of the person. Students need opportunities to receive contact with the concepts that add meaning to life and richness to living, as well as providing an outlet for creative expression through visual and performing arts. Excellence in education comes with a balance of ingredients within the curriculum, including an appreciation for art, music and drama. Fine Arts help to develop the individual talents and abilities of each person.

East Catholic provides a full four-year program in both performing and visual arts, and requires at least 1 fine arts credit earned upon graduation. There are bi-annual Art & Music Festivals that highlight projects and performances by all current students in Performing and Visual Arts classes. Students are also able to experience the dramatic arts through two annual Stage East theater productions-- a fall drama or comedy and a spring musical. Both the art and music programs enhance the life of the school through support of many school events-- from school liturgies and parents' events, to display cases of art and a pep band for athletic rallies. Fine Arts is integrated into the fabric and heart of the East Catholic community.

VISUAL ART

708 Principles of Design – Advanced

Grades 9, 10, 11, 12 0.5 credit

This project-based course uses various mediums and techniques to incorporate the basic elements of art and have the students explore the major principles of design—balance, contrast, emphasis, movement, pattern, rhythm and unity. This course builds upon the basic skills and terminology covered in the Elements class, but this class has no prerequisite and can be taken independently of Elements of Art.

722 Drawing - Advanced

Grades 10, 11, 12 0.5 credit

Prerequisite: *Principles of Design*

This class is designed to develop the student's abilities in the drawing medium. Emphasis is on technique, composition, value, line and the illusion of form. A variety of mediums are used. This course includes some historical art references.

732 Painting - Advanced

Grades 10, 11, 12 0.5 credit

Prerequisite: *Principles of Design*

Painting is designed for students who have a basic knowledge of drawing, composition and color to learn about painting. Both technique and medium are emphasized. Art historical references and experimentation with different painting media comprise most of the course.

772 Sculpture - Advanced

Grades 10, 11, 12 0.5 credit

This course is designed for any student interested in expressing themselves through a range of three-dimensional mediums including paper, wire, plaster and clay. To broaden student's appreciation of art, this course includes art historical references and research. No previous experience is necessary.

765 Digital Art & Design- Advanced

Grades 9, 10, 11, 12 0.5 credit

An introductory level computer art class that will teach the elements and principles of art in a digital format. This project-based class will familiarize students with the basics of the digital lab and multiple software applications used in digital art. No previous experience is necessary.

743 Digital Animation - Advanced

Grades 9, 10, 11, 12 0.5 credit

This class is an introduction to the art of computer animation. It exposes the students to the principles of animation and instructs them to produce strong authentic animations by learning a sense of observation, timing, and motion. Emphasis will also be placed on the artistic and aesthetic creativity that will push the boundaries of the imagination and to familiarize students with storytelling.

752 Video – Advanced**Grades 9, 10, 11, 12 0.5 credit****NOTE: *Students are required to provide their own video camera.***

Video class introduces the student into the environment of a contemporary video production workflow through hands-on, real-world exercises and projects. This includes setting up and managing projects from beginning to end. The class progresses through all the key phases of video production including camera settings, lighting, and video production techniques. No prior experience is necessary.

742 Graphic Design - Advanced**Grades 9, 10, 11, 12 0.5 credit****Prerequisite: *Digital Art & Design***

Students interested in visual communication and presentation should consider Graphic Design. Various methods are used to create and combine symbols, images and/or words to create a visual representation of ideas and messages.

766 Digital Photography - Advanced**Grades 9, 10, 11, 12 0.5 credit****Prerequisite: *Digital Art & Design*****NOTE: *Students are required to provide their own digital single-lens reflex camera.***

Students will grow a comprehensive understanding of the principles of digital photography. The course disassembles the methods of portraying light, from candid situations to creating dynamic studio landscapes. Students are given advanced instruction on how to digitally edit and print their own photographs. Projects and instruction are created so that students may gain an appreciation for photography.

751 Advanced Projects: Studio Arts - Honors**Grades 11, 12 1 credit****Prerequisite: *Drawing, Painting, or Sculpture.*****761 Advanced Projects: Digital Arts - Honors****Grades 11, 12 1 credit****Prerequisite: *Digital Art & Design and Graphic Design or Digital Photography.***

These advanced level classes are designed for students who are highly motivated and seriously interested in developing the quality, breadth, and concentration aspects of the AP Studio Art classes, submitting a portfolio to a college, **OR** further exploring a medium of interest. Students must have demonstrated a unique talent through the quality and depth of expression in their previous work and demonstrated an acute ability to work independently. The course syllabus is designed and proposed by each individual student. These classes are by permission of instructor **ONLY**, and are scheduled in conjunction with an existing class of the instructor. Students may submit a portfolio to the College Board with the instructor's approval.

730 AP Studio Art: Drawing Portfolio – Advanced Placement**Grades 11, 12 1 credit****Prerequisite:** Advanced Projects: Studio Arts (Drawing or Painting concentration), completion of an application (see art teachers), and must present a portfolio to the art teachers and department chairperson for approval. Seniors who wish to register for AP Art, but have not taken Advanced Projects may register with the instructor's approval of an application and portfolio review.

740 AP Studio Art: 2-D Design - Advanced Placement

Grades 11, 12 1 credit

Prerequisite: Advanced Projects: Digital Arts, completion of an application (see art teachers), and presentation of a portfolio to the art teachers and department chairperson for approval before registering for the class.

Juniors who wish to submit a portfolio for AP Studio Art, but have not taken Advanced Projects may register with the instructor's approval of an application and portfolio review.

The Advanced Placement Studio Art Program enables highly motivated students to do college level work while still in high school. AP Studio Art candidates submit a portfolio of work for evaluation in early May to the College Board. Guidelines have been designed to accommodate varieties of interests and approaches to art but must include the following three areas: quality, concentration, and breadth. Students must be able to work independently and meet deadlines. Preparation of art pieces will require considerable time outside of class. Students will begin work on concentration at home during the summer prior to the beginning of the course. Students applying for this course must have completed portfolio pieces for the quality (four) and breadth (twenty) sections prior to the beginning of the course.

MUSIC

802 Chamber Choir 8/8 - Advanced

Grades 9, 10, 11, 12 1 credit

Chamber Choir is open to students of all ability levels interested in learning the fundamentals of singing through the study of choral music. This course covers music of diverse styles, as well as basic theory, listening, sight singing, and vocal production techniques. As a group, students perform in two major concerts as well as other functions throughout the school year. This class meets each day for the full year.

812 Chamber Choir 4/8 - Advanced

Grades 9, 10, 11, 12 0.5 credit Full Year

This option meets 4 out of 8 cycle days for the full year by approval of director.

841 Honors ECCE (East Catholic Choral Ensemble) 8/8 - Honors

Grades 10, 11, 12 1 credit

Enrollment in ECCE is **by audition only** to a limited number of vocal students with ability in solo and ensemble performance. This is an environment in which more vocally experienced students can explore various types of music in a smaller setting. Students should already be able to read music, and be fairly versed in proper choral technique. This group performs in two major concerts as well as in other functions throughout the school year, including festivals and tours. This class meets each day for the full year.

844 ECCE 4/8 - Honors

Grades 10, 11, 12 0.5 credit Full Year

This option meets 4 out of 8 cycle days for the full year by approval of director.

824 Percussion Ensemble- Advanced

Grades 9, 10, 11, 12 1 credit

This course introduces beginning instrumentalists to a variety of percussion instruments. This class is offered in a group lesson format and is intended to prepare students to join one of the performing groups. Skills learned include sight-reading, music theory, and listening skills. This group will perform in the bi-annual concerts. No musical performance experience is necessary, but students are required to purchase drumsticks and mallets. This class meets each day for the full year.

834 Percussion Ensemble 4/8- Advanced

Grades 9, 10, 11, 12 0.5 credit Full Year

This option meets 4 out of 8 cycle days for the full year by approval of director.

876 Piano Fundamentals – Advanced**Grades 9, 10, 11, 12 0.5 credit**

This course teaches the basics of piano technique along with music fundamentals such as note names and values, key signature and chords. Elements of theory, correct piano technique and effective practice skills will also be covered. This course is ideal for students new to music, as well as those wishing to acquire keyboarding skills.

877 Intermediate Piano – Advanced**Grades 9, 10, 11, 12 0.5 credit**

Prerequisite: Completion of Piano Fundamentals with an 85% or placement test (final exam of Piano Fundamentals) and competency in reading music.

This course will cover music with shifting hand positions. Students learn to be technically proficient and have a more in-depth study of music and composers. Work in the second volume of Alfred's Adult Piano course eventually moves on to basic works by Bach, Mozart, and Beethoven. Additionally, students will learn how to read chord changes and basic comping techniques to accompany singers in contemporary radio music.

822 Concert Band 8/8 - Advanced**Grades 9, 10, 11, 12 1 credit**

Concert Band is the primary instrumental ensemble open to all students with prior band experience. Music of various styles is performed, including classical, contemporary and popular as well as basic music theory. Students perform in two major concerts per year and perform at special functions. This class meets each day for the full year.

832 Concert Band 4/8 - Advanced**Grades 9, 10, 11, 12 0.5 credit Full Year**

This option meets 4 out of 8 cycle days for the full year by approval of director.

891 Honors Jazz Band 8/8 - Honors**Grades 9, 10, 11, 12 1 credit**

Jazz Band is offered **by audition only** and accepts a limited number of students. A wide range of jazz styles are performed-- from classics to contemporary. Members perform in three major concerts per year and go on music festival trips - including the University of New Hampshire High School Jazz Festival - and perform at special functions.

This class meets each day for the full year.

894 Honors Jazz Band 4/8 - Honors**Grades 9, 10, 11, 12 0.5 credit Full Year**

Prerequisite: Approval of director

This option meets 4 out of 8 cycle days for the full year.

872 Strings 8/8 - Advanced**Grades 9, 10, 11, 12 1 credit**

Strings is offered to students with prior orchestral experience who possess a skill level commensurate with high school performance expectations and the ability to work independently. Music of various styles, with a diverse sampling of classical, contemporary, sacred, secular and popular music is performed. Students participate in two major concerts per year as well as special functions. This class meets each day for the full year.

862 Strings 4/8 - Advanced**Grades 9, 10, 11, 12 0.5 credit Full Year**

This option meets 4 out of 8 cycle days for the full year by approval of director.

882 Honors Music Theory - Honors**Grades 10, 11, 12 0.5 credit**

This course is an introduction to basic music theory fundamentals. Topics include, but are not limited to notation, scales, intervals, chords, melody writing, time, musical terms and score analysis. As time permits, composition, orchestration, aural studies and conducting will also be covered. This class meets each day for a full period, for one half of the year.

880 AP Music Theory - Advanced Placement**Grades 11, 12 1 credit**

Prerequisite: An 80% or above on the Music Theory 882 final exam or a comparable level of theory knowledge to be determined by a placement exam.

AP Theory provides the advanced music student with an opportunity to explore music theory in greater detail, and establish a strong foundation for further musical endeavors. Topics to be covered include notation, rhythm and meter, scales, intervals, triads and seventh chords, and cadences, non-harmonic tones, melody, texture, voice leading, modulation, small forms analysis, score analysis, sight singing and ear training. While not necessary to participate in the course, the College Board AP exam will be offered upon completion.

932 Introduction to Acting – Advanced Semester 2 ONLY**Grades 9, 10, 11, 12 0.5 credit**

Students will learn the basic concepts of acting. Students will study character analysis, monologues, and do scene work with other class members. Basic stage, rehearsal terms, theater etiquette, and the audition process will be covered in this class.

962 Movement and Dance – Advanced Semester 1 ONLY**Grades 9, 10, 11, 12 0.5 credit**

Designed for students of all levels of interest, ability, and training, the Movement and Dance class covers the Broadway, Lyric and Tap styles of dance. Classes will include a traditional Broadway warm-up such as floor work, turns, jumps and basic tap steps. This course will also focus on choreography and a final, non-public in-class performance is required.

INTEGRATED TECHNOLOGY

The Integrated Technology program offers computer-based opportunities that combine computer science and digital literacy skills to teach students design, logical reasoning, and problem solving. Courses allow students to utilize computer applications that advance their understanding of not only content knowledge but also organizational, research, communication, and leadership skills. This ability to innovate and organize with technology also assists students in navigating their way through upper level high school courses and well beyond the computer science classroom.

980 Integrated Technology – Advanced**Grade 9 0.5 credit**

NOTE: Students who score 85% or better on the Technology Skills Placement Test will receive credit for this course.

Through the use of technology to enhance our program, students will learn the basics of computers to support classroom instruction. Practical training using the iPad will include digital access to textbooks and applications. In addition, the course will address the key issues of internet safety, privacy and security, reliability of online information, cyberbullying, information literacy, digital footprints and reputation, and intellectual property in

the digital world. Students will learn and apply basic skills in word processing, spreadsheets, and presentations through knowledge in Microsoft Office and Google Suite to thoroughly complete assignments and enhance organizational skills. Technology related topics in mathematics, English, science, and the arts will be integrated throughout the lessons.

981 Computer Applications - Advanced

Grade 9 **0.5 credit**

Prerequisite: Successful completion Integrated Technology

Through a project-oriented approach, students will explore a variety of programming systems and languages to create interactive applications and systems. By collaborating in a hands-on environment, students will learn problem solving, software design, debugging strategies, and the foundations of computer science (data structures, procedures, and algorithms). Students will work on projects (both individual and team) in the areas of graphics and games, animation and art, and electronics systems, all using open-source software tools such as Scratch, Arduino, and Code.org.

MATHEMATICS DEPARTMENT

The goals of the Mathematics Department are multi-faceted. On a very practical level, the goal in this college preparatory environment is to prepare all of our students to enter the college of their choice and be ready to step into the math course required for their discipline without being required to take non-credit prerequisites in college. The student, further, develops skills necessary to become life-long learners and productive citizens. In our information age, it is vital to master thinking skills to be able to evaluate information and to make right decisions. By improving critical thinking, problem solving skills, and using technology, the student gains more than an education in mathematical sciences; the student becomes better prepared for college and the world beyond.

Four credits in the study of math are required for graduation. All students will master basic Algebra and Geometry topics. In addition, the student has the opportunity to study advanced topics in math, including advanced Algebra, Trigonometry, Analytic Geometry, Probability and Statistics and Calculus. Technology and Data Analysis will be included in math courses throughout the math curriculum. Each student is required to have a Graphing Calculator for use in math classes at East Catholic High School. Continued use of technology will be part of all courses.

During course requests, students who wish to be considered for mathematical studies above the level recommended by the department must maintain an A average for the current year. Students who wish this consideration during the school year must maintain an A average and make effective contributions to the learning environment.

211 Honors Algebra 1 - Honors **1 credit**

Grade 9

Prerequisite: A student will be placed in this course based on Entrance Exam scores, prior math grades, the math placement exam score (if taken), as well as teacher recommendations.

NOTE: Students wishing to take Algebra 1 and Geometry concurrently must demonstrate competency on the Algebra 1 placement exam with a B or higher and have department approval.

This course uses advanced concepts and higher order thinking to solve problems. Students at this level are self-starters and take the initiative to make connections through the use of their textbook and the classroom. This course covers operations with polynomials, factoring, solving and graphing equations and the study of functions. Problem solving will be used throughout the course. Students are expected to have strong Pre-Algebra skills prior to taking this course. It is also appropriate for those who have taken Algebra 1 as eighth

graders, but could benefit from additional and deeper study of Algebra 1 topics. Graphing calculator skills will also be taught. This course will also incorporate SAT preparation and basic statistical analysis.

212 Algebra 1 - Advanced **1 credit**

Grade 9

Prerequisite: A student will be placed in this course based on Entrance Exam scores, prior math grades, and the math placement exam score (if taken).

This course is a guided course in Algebra I to further develop active learning skills. This course covers operations with polynomials, factoring, solving and graphing equations and the study of functions. Problem solving will be used throughout the course. Students are expected to have a working knowledge of Pre-Algebra skills prior to taking this course. It is also appropriate for those who have taken Algebra 1 as eighth graders, but could benefit from additional and deeper study of Algebra 1 topics. Graphing calculator skills will be taught. This course will also incorporate SAT preparation and basic statistical analysis.

213 Algebra 1 - College Prep **1 credit**

Grade 9

Prerequisite: A student will be placed in this course based on Entrance Exam scores and prior math grades.

This course is a directed course developing algebraic reasoning through the use of note taking, organization, and study habits. This course covers operations with polynomials, factoring, solving and graphing equations and the study of functions. Problem solving will be used throughout the course. Pre-Algebra skills will be reinforced throughout the year. Graphing calculator skills will be taught. This course will also incorporate SAT preparation and basic statistical analysis.

221 Honors Geometry - Honors **1 credit**

Grade 9, 10

Prerequisite: B+ or better in Honors Algebra 1 and/or department approval.

NOTE: An entering 8th grade student must demonstrate competency in Algebra 1 with a B or higher in their current Algebra 1 course and on the math placement test given in late May/early June of the year the student enters East Catholic.

This course uses advanced concepts and higher order thinking to solve problems. Students at this level are self-starters and take the initiative to make connections through the use of their textbook and the classroom. This course approaches geometric theory and applications-through the use of two-column and paragraph proofs, coordinate Geometry, spatial relationships, work with triangles and polygons, area and volume, as well as properties of circles. Projects and geometric constructions using a compass and straightedge are incorporated into the course. In addition to the continued use of technology, this course will incorporate SAT preparation and continued statistical analysis.

222 Geometry - Advanced **1 credit**

Grade 9, 10

Prerequisite: C or better in Algebra 1 Advanced and/or department approval.

NOTE: An entering 8th grade student must demonstrate competency in Algebra 1 on the math placement test given in late May/early June of the year the student enters East Catholic.

This course is a guided course in Algebra I to further develop active learning skills. This course approaches geometric theory and applications-through the use of two-column and paragraph proofs, coordinate geometry, spatial relationships, work with triangles and polygons, area and volume, as well as properties of circles. Projects and geometric constructions using a compass and straightedge are incorporated into the course. In addition to the continued use of technology, this course will incorporate SAT preparation and continued statistical analysis.

223 Geometry - College Prep **1 credit**

Grade 9, 10

Prerequisite: Successful completion of Algebra 1 and/or department approval.

This course is a directed course developing geometric reasoning through the use of note taking, organization, and study habits. This course approaches geometric theory and applications-through the use of two-column and paragraph proofs, coordinate geometry, spatial relationships, work with triangles and polygons, area and volume, as well as properties of circles. Projects and geometric constructions using a compass and straightedge are incorporated into the course. In addition to the continued use of technology, this course will incorporate SAT preparation and continued statistical analysis.

231 Honors Algebra 2 - Honors **1 credit**

Grade 9, 10, 11

Prerequisite: B or better in Honors Algebra 1 and/or department approval.

NOTE: A student must demonstrate competency in Algebra 1 and Geometry on the math

This course uses advanced concepts and higher order thinking to solve problems. Students at this level are self-starters and take the initiative to make connections through the use of their textbook and the classroom. Topics will include inequalities, linear, quadratic, polynomial, rational, radical, logarithmic and exponential functions. In addition to the continued use of technology, this course will incorporate SAT preparation and a continued study of statistics.

placement test given in late May/early June of the year the student enters East Catholic.

232 Algebra 2 - Advanced **1 credit**

Grade 9, 10, 11

Prerequisite: C average or better in Algebra 1 Advanced and/or department approval.

This course is a guided course in Algebra I to further develop active learning skills. Topics will include inequalities, linear, quadratic polynomial, rational, radical, logarithmic and exponential functions. In addition to the continued use of technology, this course will incorporate SAT preparation and a continued study of statistics.

233 Algebra 2 - College Prep **1 credit**

Grade 11

Prerequisite: Successful completion of geometry and/or department approval.

This course is a directed course developing algebraic reasoning through the use of note taking, organization, and study habits. Topics will include inequalities, linear, quadratic, polynomial, rational, radical, logarithmic and exponential functions. Explicit review and relationships between previously learned topics will be used. In addition to the continued use of technology, this course will incorporate SAT preparation and a continued study of statistics.

241 Honors Pre-Calculus - Honors **1 credit**

Grade 10, 11, 12

Prerequisite: B+ or better in Honors Algebra 2 and/or department approval-

This course uses advanced concepts and higher order thinking to solve problems. Students at this level are self-starters and take the initiative to make connections through the use of their textbook and the classroom. It is intended to prepare the student to enter an honors level college calculus course, or AP calculus. Topics will include theory and applications of functions including polynomial, rational, exponential, and logarithmic. A significant part of the year is devoted to the study of trigonometry. Continued use of technology will be part of this course.

292 Pre-Calculus - Advanced **1 credit**

Grade 10, 11, 12

Prerequisite: B- or better in Algebra 2 Advanced and/or department approval.

This course is a guided course in pre-calculus to further develop active learning skills. It is designed to prepare students for success in college calculus, with emphasis on theory. Topics will include advanced algebraic topics and a significant part of the year is devoted to the study of trigonometry. Continued use of technology will be part of this course.

294 Pre-Calculus – CP **1 credit**

Grade 12

Prerequisite: Successful completion of Algebra 2 and/or department approval.

This course is a directed course developing reasoning skills through the use of note taking, organization, and study habits. Topics will include advanced algebraic topics and a significant part of the year is devoted to the study of trigonometry. Continued use of technology will be a part of this course.

251 Calculus – Honors **1 credit**

Grade 11, 12

Prerequisite: C or better in Honors Pre-Calculus, or a B or better in Advanced Pre-calculus, and/or department approval.

This introductory honors level calculus course will cover the basic concepts of limits, differentiation, and integration. In addition, students will study application topics of calculus such as related rates, optimization, area, and volume. This course is not intended as a preparation for the AP exam, rather an introduction to concepts and applications of Calculus to help prepare students who may be taking a calculus course in college.

240 AP Calculus AB - Advanced Placement **1 credit**

Grade 11, 12

Prerequisite: B+ or better in Honors Pre-Calculus and/or department approval.

AP Calculus AB is a comprehensive honors level calculus course which prepares students to take the Advanced Placement AB Calculus Exam, administered by The College Board. This course covers in depth differential and integral calculus as well as analytic geometry and limits. Applications of calculus as they relate to curve sketching, maximum and minimum problems, related rate problems, area, volume, surface area and arc length as well as other related topics are covered.

250 UConn/AP Calculus BC – Calculus I & II **Dual Enrollment** **1 credit**

Grade 11, 12

Prerequisite: A- or better in Honors Pre-Calculus and/or department approval.

UConn/AP Calculus BC is a comprehensive honors level calculus course which prepares students to take the Advanced Placement BC Calculus Exam, administered by The College Board. In addition, students who enroll in the UConn ECE program may receive 8 credits from the University of Connecticut upon successful completion of two semesters of this course (Math 1131Q and 1132Q). Students must pass the first course of the sequence with a UConn score of "C" or higher in order to continue onto the second course. If a student fails to do so, then he or she is automatically dropped from the second course of the sequence and refunded any course fees paid. This course covers all of the topics of the AP Calculus AB course as well as topics specific to the BC exam. Detailed treatment is given to the topics of: parametric, polar and vector functions and their derivatives, numerical differentials using Euler's Method, L'Hopital's Rule, applications of integrals, improper integrals, integration by multiple substitution methods including parts and simple partial fractions, and sequences and series including in depth work with power, Taylor and McClaurin series.

235 Honors Probability and Statistics – Honors 1 credit**Grade 11, 12****Prerequisite:** B- or better in Honors Algebra 2 or a B+ or better in Advanced Algebra 2.

This is a statistics course for students who have demonstrated success in Algebra 2 and wish to continue exploring a large number of topics with the emphasis on “real world” applications. Numerous projects will be included throughout the course connecting the class to these applications. Topics include: displaying data, normal distribution, regression (both linear and non-linear), sampling and survey techniques, experimental design, identification of bias, probability and conditional probability, random variables, binomial distribution, geometric distribution, sampling distributions, confidence intervals, and inference tests. Students will be challenged through critical thinking exercises and participate in various group and individual activities that will enhance their mathematical reasoning ability and communication skills. Students will use technology on a daily basis.

246 Probability and Statistics – Advanced 1 credit**Grade 11, 12****Prerequisite:** B- or better in Algebra 2 Advanced or Honors Algebra 2, or a B+ or better in Algebra 2 College Prep and/or department approval.

This is an introductory statistics course for students who have demonstrated success in Algebra 2 and wish to continue exploring a large range of topics with an emphasis on “real world” applications such as games of chance, random population, and actuarial science. Students will regularly apply tools of technology including the graphing calculator and computer to solve problems. They will be challenged through critical thinking exercises and participate in various group and individual activities that will enhance their mathematical reasoning ability and communication skills. Students are expected to use information and technology in various ways in real world applications.

248 Computer Science – Advanced 1 credit**Grade 11, 12****Prerequisites:** Successful completion of Algebra 2 and department approval.

Computer science uses problem solving, hardware, algorithms, and perspectives that help students utilize computers to address real-world problems. Fundamental topics include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The programs Scratch and Javascript are heavily used throughout the course.

ECHS ONLINE PROGRAMS

In the rapidly changing education environment most students can expect to take an online course during their college experience. In recognition of the unique aspects of online learning, students at East Catholic will be given targeted guidance and resources that they will need to be successful as they take personal responsibility for their learning and the continuing development of time management skills. As a Catholic College Preparatory school we believe that “the necessary skills to manage and enrich our knowledge, using online and offline resources, become extremely important. This set of skills, which is defined as Personal Knowledge Management, coupled with personal learning and/or personal learning network concepts, should help every individual to independently select and evaluate information sources, to search for online data, and be able to store, reprocess, transmit, and share such data”(CCE, 2014).

974 Principles of Business, Marketing, and Finance – Advanced Semester 1 ONLY

Grade 11, 12 0.5 credit

Principles of Business, Marketing, and Finance provides students with the ability to achieve higher success in business. Students will learn how businesses begin, operate, produce, and grow successfully. Students also learn to predict and prepare for coming change in business enabling them to thrive in the workplace. Through this course, students will build a strong understanding of finance and marketing that will set them on a steady path of success in the business world and prepare them to gain further knowledge through the study of business related college majors and careers. **This course provides electives credit only.**

975 Business Management – Advanced Semester 2 ONLY

Grade 11, 12 0.5 credit

Business Management provides students with the knowledge they need to improve their management skills, preparing them for further study in business related college majors and careers. Students will learn how to efficiently and effectively plan, organize, direct and control an organization in order to accomplish specific goals. They will learn how to design, produce, and market a product successfully. They will also learn how to evaluate their employees and themselves in order to continually improve and perfect their performance in the workplace. **This course provides electives credit only.**

PHYSICAL EDUCATION

Physical Education class is structured around participation and preparation with each student expected to give full energy and effort into learning new skills and using those new skills in a variety of team and or individual sports and leisure activities. Sportsmanship, fitness, wellness, teamwork, strategy, locomotor skills, social skills and problem solving are all part of the PE program. PE also helps students understand the need for tolerating individual differences and abilities. East Catholic’s physical education program provides psychomotor, cognitive and affective content and learning experiences that promote optimum complete personal development. Physical Education classes provide fun and often new experiences and learning through physical activity, provided in a safe, supportive environment. Physical Education offers meaningful challenging learning for all students, and result in lifetime learning outcomes of skills, literacy, and ability to understand concepts and develop plans for lifetime physical activity and wellness.

Physical education is one component in a coordinated approach to school health. “Sound body, sound mind.” – it is part of education for the whole student.

All students are required to earn one total credit in Physical Education during their four years at East Catholic High School. Students may take more than one PE course and/or sport in an academic year. After fulfilling this graduation requirement, credits will not be awarded for participation in subsequent PE courses and/or sport.

913 Coed Physical Education

Grades 9, 10, 11, 12 0.25 credit Per semester

921 Fall Sport Physical Education

Grades 9, 10, 11, 12 0.25 credit

Students interested in taking a fall team sport must sign-up for one of the following:

Football, B/G Cross-Country, B/G Soccer, Girls Volleyball, Girls Swimming, Girls Field Hockey and Cheerleading. Credit awarded upon successful completion.

922 Winter Sport Physical Education

Grades 9, 10, 11, 12 0.25 credit

Students interested in taking a winter team sport must sign-up for one of the following:

Wrestling, B/G Basketball, B/G Ice Hockey, B/G Indoor Track, Boys Swimming and Cheerleading. Credit awarded upon successful completion.

923 Spring Sport Physical Education

Grades 9, 10, 11, 12 0.25 credit

Students interested in taking a spring team sport must sign-up for one of the following:

Baseball, Softball, B/G Lacrosse, B/G Outdoor Track, B/G Golf and B/G Tennis. Credit awarded upon successful completion.

928 Non-Traditional Sports PE

Grades 9, 10, 11, 12 0.25 credit

Students may receive Physical Education credit for participating in nationally sanctioned sports not offered at East Catholic. Students must submit a proposal for consideration and receive approval of the administration and the Physical Education Department. Credit awarded upon successful completion.

916 Introduction to Conditioning

Grades 11, 12 0.25 credit 1 semester

Students will learn basic strength, speed and agility training principles. They will participate in weight, speed and agility training. This will provide students with a base-knowledge in proper conditioning routines and weight room etiquette, and will promote their personal wellness.

929 Physical Education Exempt

Grades 11, 12 0.25 credit 1 semester

Juniors and seniors may opt to participate in the President's Physical Fitness Challenge for one of their PE course credits. Those who meet or surpass the National Fitness Standards (50th percentile) in: Mile, V sit, shuttle, sit-ups in one minute, pull-ups will earn "PE Exempt" and be awarded credit. The Fitness Challenge is administered in October and March for first and second semester, respectively.

625 Health and Wellness

Grade 10 0.50 credit

Health is a one-semester course that is required of all students before graduation. This course will provide students with an understanding of behaviors that promote lifelong health and wellness. Emphasis will be placed on making safe and healthy choices, forming healthy relationships, mental and emotional health, nutrition, and physical health and fitness.

RELIGION DEPARTMENT

The Religion Department is authentically Catholic and ecumenically welcoming. The primary courses taught are scripture, church history, sacraments, morality, social justice, world religions, and vocations. Our students learn the essential teachings of the Catholic faith and learn to appreciate the diversity of faiths that make up our global community with their study of religions of the world in the senior year. Students learn about the Catholic Tradition, engage in dialogue, and reflect on how it will impact their own lives. Students are empowered to share their own ideas and think critically about the concepts being taught.

Each year, students must complete a service-learning requirement as a graduation requirement. East Catholic has a number of formal relationships with local organizations where our students may fulfill their service-learning requirement.

An important part of East Catholic's mission is to support the religious formation of our students in their own parishes and congregations. Preparation for the Sacrament of Confirmation is done in the local parish. Our program enhances student spiritual growth in the home and church.

142 Christian Ethics - Advanced

Grade 11 **1 credit**

This course includes an in-depth examination of Christian morality and the impact of modern society on faith and morality. This course seeks to connect the role of an individual conscience with the Church's larger mission in the modern world by emphasizing key themes from Scripture and the USCCB's document *Sharing Catholic Social Teaching*. Topics covered are: conscience formation, morality's roots in scripture, the teachings of the Church on moral decision-making, and Catholic Social Teaching.

143 Christian Ethics - College Prep

Grade 11 **1 credit**

This course includes an examination of Christian morality and the impact of modern society on faith and morality. This course seeks to connect the role of an individual conscience with the Church's larger mission in the modern world by emphasizing key themes from Scripture and the USCCB's document *Sharing Catholic Social Teaching*. Topics covered are: conscience formation, morality's roots in scripture, the teachings of the Church on moral decision-making, and Catholic Social Teaching.

151 Honors The Call of Faith - Honors

Grade 12 **1 credit**

This rigorous course broadens the students perspective of religious experience in the world by examining non-Catholic Christianity as well as a variety of religions including Judaism, Islam, and some of the Eastern religions. Students complete the year by examining the process of discerning their own vocation now and for the future as a call from God to lovingly serve the needs of our world according to their gifts and talents.

152 The Call of Faith - Advanced

Grade 12 **1 credit**

This challenging course broadens the students perspective of religious experience in the world by examining non-Catholic Christianity as well as a variety of religions including Judaism, Islam, and some of the Eastern religions. Students complete the year by examining the process of discerning their own vocation now and for the future as a call from God to lovingly serve the needs of our world according to their gifts and talents.

153 The Call of Faith - College Prep

Grade 12 **1 credit**

This course broadens the students perspective of religious experience in the world by examining non-Catholic Christianity as well as a variety of religions including Judaism, Islam, and some of the Eastern religions. Students complete the year by examining the process of discerning their own vocation now and for the future as a call from God to lovingly serve the needs of our world according to their gifts and talents.

SCIENCE DEPARTMENT

All science courses at East Catholic High School stress scientific literacy, acquisition of content knowledge, development of laboratory skills, and development of a positive attitude toward science. The Science Department employs a hands-on, activity-based curriculum emphasizing problem solving, critical thinking, and inquiry-based learning. Innovative use of technology continues throughout the science program.

Three credits of science are required for graduation from East Catholic High School, including Biology and another laboratory course. Most colleges require *at least* two years of laboratory science (Biology/Chemistry/Physics); more competitive colleges generally require a 3-to-4 year program, which includes all three of the lab sciences. Elective courses include: Human Anatomy and Physiology, Environmental Science, Earth Science, AP Biology and AP Chemistry, UConn Physics, Forensic Science and Engineering. Students may begin their science curriculum study in either the ninth or tenth grade.

650 AP Biology - Advanced Placement

Grades 11, 12 **1 credit**

Prerequisite: Biology and Chemistry (One of the two must have been taken at Honors level.) Application process required.

AP Biology is a college-level course that explores molecular, cell, and organismal biology, heredity, evolution, and ecology. This course requires that students invest out-of-class time in addition to the regular class schedule. Eight in-depth Advanced Placement laboratories will be completed as part of the curriculum. This course prepares a student to take the Advanced Placement Biology Test.

621 Honors Biology - Honors

Grades 9, 10 **1 credit**

Biology acquaints the student with the fundamental concepts and principles of living organisms. This rigorous course explores ecology, cell biology, bioenergetics, molecular biology, the history of life, genetics and organismal biology. Through laboratory experiences, independent project work, and class investigations, Biology is taught as a way of critical thinking and a method of seeking answers. This is a required subject generally taken either freshman or sophomore year. This course can prepare a student to take the SAT II Subject Test in Biology.

622 Biology - Advanced

Grades 9, 10 **1 credit**

Biology acquaints the student with the fundamental concepts and principles of living organisms. This challenging course explores ecology, cell biology, bioenergetics, molecular biology, the history of life, genetics and organismal biology. Through laboratory experiences, project work, and classroom demonstrations, Biology is taught as a way of thinking and a method of seeking answers. This is a required subject generally taken either freshman or sophomore year.

623 Biology - College Prep

Grades 9, 10 **1 credit**

Biology acquaints the student with the fundamental concepts and principles of living organisms. This basic course explores ecology, cell biology, bioenergetics, molecular biology, the history of life, genetics and biological organisms. Through laboratory experiences, classroom assignments and project work, Biology is taught as a way of thinking and a method of seeking answers. This is a required subject generally taken either freshman or sophomore year.

630 AP Chemistry - Advanced Placement

Grades 11, 12 **1 credit**

Prerequisite: Successful completion of chemistry and Algebra 2 (one of which must have been taken at the Honors level) or by permission of the instructor. Application process required.

AP Chemistry is a college general chemistry course. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics are studied in considerable depth. This course requires that students invest considerable time outside the class in order to complete chemical calculations, mathematical formulation of principles and laboratory work. This course prepares a student to take the Advanced Placement Chemistry test.

631 Honors Chemistry - Honors

Grades 10, 11, 12 **1 credit**

Honors Chemistry is a rigorous and challenging course with the objective of providing learners with the opportunity to explore basic chemical principles that will prepare them for any college chemistry program. A thematic approach to the discipline contributes to students' comprehension of fundamental chemical processes, ability to integrate facts with concepts, and appreciation of how scientists work. Logical thinking, problem

solving skills, critical thinking, and hands-on labs are major areas of interest. Chemistry explores atomic theory, periodic trends, bonding, chemical formulas, molecular structure, qualitative and quantitative studies of chemical reactions (including basic chemical reactions and stoichiometry), states of matter, kinetic theory of gases, basics on thermo-chemistry and an introduction to acid-base theory.

632 Chemistry - Advanced

Grades 10, 11, 12 1 credit

Advanced Chemistry is a challenging course in which students will be exposed to the fundamentals of basic chemistry. A thematic approach contributes to students' comprehension of fundamental chemistry processes, ability to integrate facts with concepts, and appreciation of how scientists work. Logical thinking, problem solving skills, critical thinking, and hands-on labs are major areas of interest. Chemistry explores atomic theory, periodic trends, bonding, chemical formulas, molecular structure, qualitative and quantitative studies of chemical reactions (including basic chemical reactions and stoichiometry), states of matter, kinetic molecular theory of gases, basics of thermo-chemistry, and an introduction to acid-base theory.

633 Chemistry - College Prep

Grades 10, 11, 12 1 credit

In this fundamental college preparatory course, students will learn about the basics of chemistry and the applications of chemistry to everyday life. Projects, assignments, essays, demonstrations, and laboratory experiments are used to study chemistry qualitatively and to learn about basic chemistry problems. College Prep Chemistry explores topics such as atomic theory, periodic trends, bonding, chemical formulas and equations, chemical reactions, states of matter, and basic organic chemistry.

660 UConn Physics - General Physics I Dual Enrollment

Grades 11, 12 1 credit

Prerequisite: High level of success in Honors science and mathematics courses, recommendation of both the current-year science teacher and guidance counselor, and permission of the instructor.

UConn Physics is a UConn Early College Experience (ECE) course designed to provide the student with an experience primarily equivalent to that provided in UConn General Physics I, which is a one-semester, algebra-based physics course (UConn course number: PHYS 1201Q). It will cover subject material appropriate to the UConn course and then additional material once the UConn semester final exam is administered (in March). Topics include; mechanics, heat, fluids, waves, electricity, magnetism, and light; the course will also include related hands-on laboratory activities.

Similar to an Advanced Placement-level course in Physics, this is a rigorous course with high expectations for any student enrolled, requiring the investment of out-of-class time and self-study (in addition to the regular class time). Successful completion of the course, including the final exam, will allow the student to receive four (4) UConn course credits (enrollment in the course through the UConn ECE office and payment of a course fee are required to be eligible for the UConn credit).

641 Honors Physics - Honors

Grades 10, 11, 12 1 credit

Prerequisite: Successful completion of Honors Algebra 1 or by permission of the instructor.

Honors Physics is the study of the physical nature of the universe and of the interrelationships between matter and energy. This course is an introductory survey of physics, covering topics such as: Newton's laws of motion, conservation of energy, heat, wave phenomena, and electricity. It is taught with a significant emphasis on understanding the basic mathematics behind the physics concepts. Included are laboratory activities designed to show direct connections between theory and real-life experiences.

642 Physics - Advanced

Grades 10, 11, 12 1 credit

Prerequisite: Successful completion of Advanced Algebra 1 or by permission of the instructor.

Advanced Physics is the study of the physical nature of the universe and of the interrelationships between matter and energy. This course is an introductory survey of physics, covering topics such as Newton's laws of motion, conservation of energy, heat, wave phenomena, and electricity. It is taught using a conceptual approach but also includes understanding some of the basic mathematics used in the study of physics. Included are laboratory activities designed to show direct connections between theory and real-life experiences.

643 Physics - College Prep

Grades 10, 11, 12 1 credit

Physics is the study of the physical nature of the universe and of the interrelationships between matter and energy. This course is an introductory survey of physics, covering topics such as Newton's laws of motion, conservation of energy, heat, wave phenomena, and electricity. It is taught using a conceptual approach but also exposes students to the basic mathematics behind the physics concepts. Included are hands-on laboratory activities designed to show direct connections between theory and real-life experience.

652 Human Anatomy and Physiology - Advanced

Grades 11, 12 1 credit

Prerequisite: Successful completion of both Chemistry and Advanced Biology.

Human Anatomy and Physiology is a one-year science elective. It is a demanding course that explores the anatomical and physiological aspects of the eleven body systems from chemical, cellular, systemic, and organismal levels. Students should come away from this course with an understanding of how each of the body systems functions to maintain life. They will also acquire knowledge about homeostatic imbalances leading to various disorders and diseases, and about allied health fields and new advances in medical sciences. Student performance will be assessed through examinations, projects, and class presentations. Activities are incorporated into the curriculum, as appropriate, in order to reinforce and expand upon regular classroom work.

653 Environmental Science - College Prep

Grades 10, 11, 12 1 credit

Prerequisite: Biology

Environmental Science is a one-year, College Prep science elective in which land, water, and air pollution are investigated and ideas for sustainable living are explored. The course examines modern resource allocation issues, scientific and technological solutions, individual impact, and governmental control. Students should recognize their personal role in resource use and allocation as a citizen and voter. It is a course that demands student research and comprehension as well as thoughtful introspection on modern lifestyle. Laboratory activities are incorporated into the curriculum, as appropriate, in order to reinforce and expand upon regular classroom work.

661 Honors Forensic Science - Honors

Grades 11, 12 1 credit

Prerequisite: Biology and Chemistry (At least one of the two must have been taken at Honors level.)

Honors Forensic Science is a challenging course designed to expose students to both chemical and biological analysis of evidence at a crime scene. Students will explore topics such as fingerprinting, DNA analysis, blood typing and spattering, trajectories, comparative anatomy, and chemical analysis of drugs, poisons, and trace evidence. Students learn about careers associated with Forensic Science and play mock roles as experts in the field to solve crimes. Laboratory activities are incorporated into the curriculum in order to reinforce and expand upon regular classroom work.

681 Honors Engineering - Honors

Grades 11, 12 **1 credit**

Prerequisite: Honors Chemistry and concurrent enrollment in an Honors or AP-level mathematics course or by permission of the instructor.

Honors Engineering is designed to introduce students to basic tools of engineering, including the Engineering Design Process; mathematical processes such as estimation, evaluation of units, dimensional analysis, and statistics; Excel spreadsheet software (various functions, graphs, trend lines, and mathematical models); programming, including learning how to write algorithms; and an introduction to the MATLAB science and engineering software. This course will include project work for which students will design, build and test a product or device so as to satisfy a societal need or to solve a technically oriented problem.

682 Engineering - Advanced

Grades 11, 12 **1 credit**

Prerequisite: Algebra 2 or concurrent enrollment in Algebra 2.

Engineering will introduce students to the engineering profession and what it means to work as an engineer. The course will include: the role that engineering has had in everyday life; the Engineering Design Process; problem-solving; the application of scientific principles and mathematics to engineering design; project management; collaboration and teamwork; and engineering documentation. Project-related work will be included.

SOCIAL STUDIES DEPARTMENT

The East Catholic High School Social Studies Department provides our students with a broad spectrum of social studies offerings affording them the opportunity to meet the goals of becoming lifelong learners and responsible citizens. Following the scope and sequence of social studies offerings recommended by the State of Connecticut, East Catholic students are encouraged to take World Civilizations in 9th grade, the continuation of World Civilizations/Civics in 10th grade and United States History in 11th grade with social studies electives in 11th and 12th grades. Advanced Placement courses are offered in United States History and Modern European History. European History is also offered for credit from the University of Connecticut. Students wishing to be considered for placement in Advance Placement United States History or Honors United States History are required to take World Civilizations/Civics in sophomore year.

501 Honors World Civilizations - Honors

Grade 9 **1 credit**

In Honors World Civilizations, students investigate world history from its beginnings up to the period of the Enlightenment. They develop a framework for their study, analyze human actions and seek to answer the questions of how humans relate to each other and their environment over time. Students engage in challenging reading and compare, in writing, civilizations based on common characteristics. Primary document sources and web sources are additional focuses. Incoming freshmen who have demonstrated superior reading and writing skills are recommended for this course.

502 World Civilizations - Advanced

Grade 9 **1 credit**

In World Civilizations students will immerse themselves in the narrative of world of history from its beginning to the period of The Enlightenment. Students are encouraged to apply this knowledge of history in a variety of skills based activities, which focus on causation, change over time, point of view and the analysis of primary source documents. Students will research historical sources in order to create explanations for the actions of humans in their environment. Incoming freshmen who have demonstrated the desire to master the knowledge and comprehension of historical concepts are encouraged to enroll in this course.

541 Honors Economics - Honors**Grades 11, 12 1 credit**

In Honors Economics, students who have demonstrated superior analytical skills and a desire to utilize those skills in an in depth analysis of micro and macro economics and the financial markets are encouraged to enroll in this course. Students will examine the role of the consumer in the free market economy, the fundamental principles underlying the free market economic system, the role that the federal government's monetary and fiscal policies play in the economy, current economic issues and controversies and the role of the United States economy in an era of global economic interdependence. Students will apply their analytical, research and writing skills through participation in The Stock Market Game.

583 Current Events/ Geography - College Prep**Grades 11, 12 1 credit**

Students will identify, research and present current events on international, national, state and local levels. This course is designed to incorporate current events in the study of geography. They will study key issues and geographical factors which helped to shape these events. Students will study the five themes of geography as they pertain to different locations discussed in the course of exploring current events. They will study people, places and environments from a physical and cultural perspective. Students will gain an appreciation and understanding of the interdependent world in which they live. In the process they will develop information literacy, media literacy, critical thinking and effective communication skills.

542 American Law - Advanced**Grades 11, 12 1 credit**

The American Law course is designed for students interested in learning about the origins and practices of the American Jurisprudence system, the foundations of Anglo-American Law and topical studies in the contemporary legal world, including how the United States legal system fits in the Global environment. Students are challenged by the narrative of legal history, document analysis, and by application of legal knowledge to real world situations. Students will be required to create and participate in a media production that reflects issues presented in their studies.

582 The Deadliest Century – Advanced**Grade 11, 12 1 credit**

This course will focus on the causes of the first and second world wars and evaluate their short and long term consequences. Students will be exposed to a variety of primary sources including journals, maps and testimonials from soldiers on the front and their loved ones at home. Students who have demonstrated exceptional skills in writing, research, and analyzing primary and secondary sources are recommended for this course.

566 Social Psychology - Advanced**Grades 11, 12 1 credit**

Social Psychology is the scientific study of how people think about, influence and relate to one another. Students will be asked to draw inferences from social psychological principles and apply them to different situations. In addition, they will compare and contrast social psychological studies and be able to express their analysis in a well-written manner. During the course of the year, students will be challenged to explore their study of human actions in, interactions with, and reactions to the modern world. Students, who demonstrate a desire to strengthen their ability to collect, interpret, analyze and summarize data in connection with social psychological research, are encouraged to enroll in this course.

563 Psychology - College Prep**Grades 11, 12 1 credit**

In Psychology, students will be introduced to psychological and sociological concepts and materials. Students will be challenged to explore and deepen their study of human actions and reactions to the modern world. Students will be encouraged to understand how to live out the mission of the school by making connections in

all that they are and do because their studies have enabled them to understand themselves and others better. Students who demonstrate a desire to strengthen their analytical, reading comprehension, ability to interpret data as well as draw conclusions from psychological and sociological studies are encouraged to enroll in this course.

WORLD LANGUAGES DEPARTMENT

The World Language Department strives to increase awareness of and respect for diversity through language study. In addition to developing communication skills, students gain greater understanding of the lifestyles and contributions of other cultures. Further, students sharpen their critical thinking skills and increase knowledge of their own language. The department encourages students to become proficient in a language for its own intrinsic value as well as to enhance one's marketability in a global society.

Course offerings include a Latin 1-4 sequence and a French and Spanish 1-AP sequence which accommodates middle school students who have already successfully completed one year of language study. Students who have successfully completed one year of language study and who want to go into the second year of the language will take a placement test in the spring of their 8th grade year. East Catholic students must study the same language of choice for a minimum of three years.

411 Honors Spanish 1 - Honors

Grades 9, 10, 11, 12 1 credit

This is an introductory course emphasizing listening comprehension, speaking, reading and writing skills through a proficiency-based approach. Elementary grammar, thematic vocabulary, geography and culture are included in the first year of study. Students enrolled in this course have had Spanish regularly in middle school and demonstrate a high level of proficiency. Students will move at a more rapid pace than other Spanish I courses. The class expectations are more advanced. Additional vocabulary and supplementary materials are included to enhance student learning.

412 Spanish 1 - Advanced

Grades 9, 10, 11, 12 1 credit

The objective of this course is to begin to read, write and speak Spanish and to understand spoken Spanish. Students will learn the meanings and conjugations of regular and irregular verbs. Students are exposed to different Hispanic cultures through reading selections and thematic vocabulary units.

413 Spanish 1 - College Prep

Grades 9, 10, 11, 12 1 credit

The objective of this course is to begin to read, write and speak basic Spanish as well as to understand spoken Spanish. Students will learn to use Spanish in everyday life situations. Students will learn the meaning and conjugations of regular and irregular verbs. Hispanic culture will also be introduced through reading selections and thematic vocabulary units.

421 Honors Spanish 2 - Honors

Grades 9, 10, 11, 12 1 credit

Prerequisite: Department recommendation/result of placement test.

The prerequisite of this course is outstanding achievement in Spanish I. This class may also include students who have had the language every day in middle school, and demonstrate a high degree of proficiency in Spanish I on the placement test. Honors Spanish II will continue with the four skills at a more rapid pace than in Spanish II. It will also have more supplementary reading, vocabulary and projects. Thematic vocabulary, more advanced grammar, geography and the students' ability to communicate in the target language are included. Cultural background will be addressed in each unit.

422 Spanish 2 - Advanced**Grades 9, 10, 11, 12 1 credit****Prerequisite:** Department recommendation

Proficiency to understand, read, and write Spanish with a higher degree of proficiency. This class may also include students who have had Spanish every day in middle school and demonstrate proficiency in Spanish I on the placement test. Spanish II will continue with the four skills. Thematic vocabulary, advanced grammar and geography are included. Students' ability to communicate in the target level is developed at an advanced level. Cultural background is presented in each unit.

425 Spanish 2 for Heritage/Native Speakers – Advanced**Grade 9****Prerequisite:** Placement test, interview and department recommendation.

This course is designed for heritage speakers of Spanish who already possess a medium to high level of oral proficiency in Spanish. Utilizing various authentic material, students will have opportunities to maintain, strengthen and fine tune their spoken language skills. They will also further develop grammatical concepts and refine their writing abilities in Spanish, and gain a deeper knowledge of and appreciation for the diversity across the Spanish-speaking world.

423 Spanish 2 - College Prep**Grades 10, 11, 12 1 credit****Prerequisite:** Department recommendation

This is a continuation of Spanish I. The course emphasizes basic communication skills as well as reading comprehension, listening comprehension and writing. Thematic vocabulary, grammar and cultural readings are included. Geography continues to be incorporated as the students develop their ability to communicate in Spanish.

431 Honors Spanish 3 - Honors**Grades 10, 11, 12 1 credit****Prerequisite:** Department recommendation.

This class is a continuation of Spanish 421. The skills emphasized are listening comprehension, speaking, writing and reading through a standards-based approach. Thematic vocabulary, advanced grammar, and more advanced readings are included. Geography and culture continue to be incorporated as the students develop their ability to communicate in Spanish.

432 Spanish 3 - Advanced**Grades 10, 11, 12 1 credit****Prerequisite:** Department recommendation

Spanish 432 is a continuation of Spanish 422. The skills emphasized are listening comprehension, speaking, writing, and reading through a standards – based approach. Thematic vocabulary, grammar, and some readings are included. Geography and culture continue to be incorporated as the students continue to develop their ability to communicate in Spanish.

433 Spanish 3 - College Prep**Grades 10, 11, 12 1 credit****Prerequisite:** Department recommendation.

Spanish 433 is a continuation of Spanish 423. The skills emphasized are listening comprehension, speaking, writing and reading through a standards- based curriculum. Thematic vocabulary, grammar and readings are

included. Everyday use of the target language illustrates the students' ability to use Spanish. Geography and culture continue to be incorporated.

441 Honors Spanish 4 - Honors

Grades 10, 11, 12 **1 credit**

Prerequisite: Successful completion of Honors Spanish III (431) and department recommendation.

This full-year course comprises literature of all Spanish speaking countries and a comprehensive review of the grammar learned in the first three years of the language. Students are required to read, write and communicate orally only in Spanish.

442 Spanish 4 - Advanced

Grades 10, 11, 12 **1 credit**

Prerequisite: Successful completion of Spanish 3 (431/432) and department recommendation

This full year course continues to enforce the grammar learned in the first 3 years of study of the language. It comprises excerpts of literature of all Spanish speaking countries and an on-going comprehensive review of grammar. All students are required to read, write and communicate orally in Spanish.

450 AP Spanish - Advanced Placement

Grades 11, 12 **1 credit**

Prerequisite: Successful completion of Honors Spanish 4 and department recommendation.

The AP® Spanish Language is the equivalent of a third-year college course in advanced Spanish composition and conversation, which encompasses aural/oral skills, reading comprehension, grammar and composition. These skills will not be taught in isolation but rather in an integrative manner. Students enrolling in this course should already have attained a reasonable proficiency in these areas, particularly in listening and speaking. With the exception of occasional grammatical explanations, the class is conducted completely in Spanish and students are expected to use Spanish exclusively with peers and their instructor during class. Conversational and presentational speaking, listening for content and analysis, modern cultural readings from Spain and Latin America, advanced grammar review, essay and informal writing and selected works of literature are included in this course. A successful student in this course is encouraged, but not required, to take the Advanced Placement exam in May.

311 Honors Latin 1 - Honors

Grades 9, 10, 11, 12 **1 credit**

Honors Latin 1 is an introductory course that emphasizes listening comprehension, speaking, reading and writing skills through a proficiency-based approach. Students will read, write, and speak about the modern world and the ancient Roman worlds through adapted stories in Latin. Students will deepen their understanding of the English language by studying Latin grammatical structures, vocabulary, and roots. Students enrolled in this class either show an outstanding ability in language arts or could have had Latin regularly before in middle school and demonstrate a high level of mastery. Students will move at a more rapid pace than in other Latin 1 courses.

312 Latin 1 – Advanced

Grades 9, 10, 11, 12 **1 credit**

The objective of Latin 1 is to introduce students to the basics of the Latin language. Students will acquire vocabulary and grammatical structures to enable them to read, write, and speak about the ancient and modern worlds through adapted stories in Latin. By studying the fundamentals of Latin structures, vocabulary, and roots, they will also deepen their grasp of the English language.

321 Honors Latin 2 - Honors

Grades 9, 10, 11, 12 1 credit

Prerequisite: Department recommendation

Honors Latin 2 builds on the vocabulary and grammar learned in its prerequisite Latin 1 with exposure to the more advanced syntax used by classical authors. It is open by teacher recommendation. Students will intensify their concentration on reading, translation, and composition skills. Quarter projects enhance students' understanding of the ideal qualities of a Roman citizen and of the architecture and function of the Roman Forum.

322 Latin 2 – Advanced

Grades 9, 10, 11, 12 1 credit

Prerequisite: Department recommendation.

Latin 2 is the continuation of Latin 1. The goal of this class is to increase the student's proficiency in the areas of listening, reading, writing, and speaking Latin. Students will continue to learn about the ancient world of the Romans and Greeks as well as the modern world by reading adapted Latin passages.

331 Honors Latin 3/4 - Honors

Grades 10, 11, 12 1 credit

Prerequisite: Department recommendation.

Honors Latin 3/4 is open by teacher recommendation to those students who have performed well in its prerequisite, Latin 2. It explores the genres of prose (history, oratory, philosophy, and natural science) and of poetry (drama, epic, lyric, and epigram). The focus is no longer on reading edited versions of myths and stories but rather on recognizing the vocabulary, style, and syntax of actual Latin writers and translating selections of their works.

337 Latin 3/4 – Advanced

Grades 10, 11, and 12 1 credit

Prerequisite: Department recommendation.

This course is the continuation of Latin 2/3. The goal is to increase one's knowledge of Latin high frequency vocabulary. Students will be expected to show greater proficiency in the four areas of listening, reading, writing, and speaking Latin. Students will also deepen their knowledge of the ancient Roman and Greek worlds by reading adapted Latin passages from ancient authors.

341 Honors French 1 - Honors

Grades 9, 10, 11, 12 1 credit

Honors French 1 is an introductory course emphasizing listening comprehension, speaking, reading and writing skills through a proficiency-based approach. Elementary grammar, thematic vocabulary, geography and culture are included in the first year of study. Emphasis is placed in the students' ability to use and understand French in everyday situations.

342 French 1 – Advanced

Grades 9, 10 1 credit

The objective of this course is to develop oral and written communication skills in French. Through reading, listening, speaking and writing activities, beginner students will lay their foundation to progress in their study of a World Language. Students will learn conjugations of regular and irregular verbs while basic thematic vocabulary will allow students to comprehend and express ideas from everyday situation in French. Reading selections and project activities will expose students to different cultures of the francophone world

351 Honors French 2 - Honors**Grades 9, 10, 11, 12 1 credit****Prerequisite:** Department recommendation

Honors French 2 continues to develop receptive and productive skills. Students gain proficiency, learn to express themselves more fully and gain awareness of the accomplishments of the francophone cultures. Students will improve aural comprehension skills; express themselves in the oral and written French, using vocabulary and structure suitable to the level; acquire reading comprehension skills and gain knowledge of the geography and cultures of francophone countries.

361 Honors French 3 - Honors**Grades 10, 11, 12 1 credit****Prerequisite:** Department recommendation.

Honors French 3 continues the communicative approach of the two preceding programs. More advanced grammar and acquisition of vocabulary allow for greater ease in understanding and using the spoken and written word. Supplementary readings are introduced for more intensive study and enjoyment. Students are encouraged to use French as much as possible.

374 Honors French 4 - Honors**Grades 11, 12 1 credit****Prerequisite:** Department recommendation.

Honors French 4 continues the development and refinement of communication skills and is conducted in French. Advanced structure, contemporary themes, cultural readings, and selected literary pieces are integrated through a conversational approach. Oral and written reports/research are an integral part of the course.

380 AP French - Advanced Placement**Grades 11, 12 1 credit****Prerequisite:** Successful completion of Honors French 4 or an A+ average in Honors French 3 and department recommendation.

The AP® French Language and Culture course is an advanced language course in which students are directly prepared for the AP® French Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive and presentational. The course is conducted exclusively in French. Explanations on specific advanced grammar topics are given in English outside of class only or with the help of tutorial videos. The course content being based on the six themes required by the College Board, students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices and perspectives. Students should expect to listen to, read and understand a wide-variety of authentic French language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using French, gain knowledge and understanding of the cultures of the Francophone world, use French to connect with other disciplines and expand knowledge in a wide-variety of contexts, develop insight into the nature of the French language and its culture, and use French to participate in communities at home and around the world. A successful student in this course is encouraged, but not required, to take the Advanced Placement exam in May.

PROFILE OF AN EAST CATHOLIC GRADUATE

During their four years at East Catholic High School, students begin to acquire the knowledge, skills, and behaviors necessary to become responsible adults formed by Catholic tradition and values. By the time of graduation, an East Catholic senior:

- Is learning to live according to Gospel values. The East Catholic graduate will have attained an intellectual grasp of the teachings of the Catholic Faith, and will be in the process of developing a personal devotion to prayer, and a commitment to helping those in need. He or she will learn to define success more in terms of integrity, self-discipline, and service to others than of personal gain.
- Is learning what it means to be a contributing member of society, a good citizen of his or her country and of the world community. He or she will be developing an appreciation of cultural differences and respect for all people as children of God.
- Has begun to learn and use effective communication skills. The East Catholic graduate will have had practice in reading, writing, listening and speaking effectively for a variety of audiences, in a number of different situations, and through both print and electronic media.
- Is developing an awareness of how to use technology in an efficient and morally responsible way.
- Is coming to value the Earth as part of God's living creation and to realize the necessity of stewardship of natural resources.
- Has begun to recognize and work to develop his or her own talents and to appreciate the talents of others.
- Is developing the ability to solve problems effectively. The East Catholic graduate will have learned to analyze a problem, examine the options, and work toward a logical, practical, and ethical solution.
- Is prepared to engage in life-long learning and critical thinking. The East Catholic graduate will have learned the skills requisite for acquiring, assessing, and integrating information, and will have come to recognize the way in which he or she learns best and to experience the joys of learning.

