

ACADEMIC SPORTS LEAGUE

INTRODUCTION TO ACADEMIC SPORTS LEAGUE

#6096
(.5 Credit)

Text: Materials as designated by USAD: additional resources from Demi-Dec

Course Description: This introduces students to the Academic Sports League (ASL). The course emphasizes skills that will prepare students for success in the full-year ASL class taken as sophomores, juniors, and seniors. These skills also prepare them for success at competitions.

Subjects covered include:

- General knowledge of Music fundamentals
- General knowledge of Art fundamentals
- General knowledge of Language and Literature fundamentals
- General knowledge of Economics; micro and macro fundamentals

ACADEMIC SPORTS LEAGUE

#6095
(1Credit)

Prerequisite: A love of reading and competition

Text: Materials as designated by USAD: additional resources from Demi-Dec

Course Description: This course prepares students for competition at the local level through Academic Sports League and at the regional and state level through the United States Academic Decathlon (USAD). The course is a compilation of ten areas important to college bound high school students: Language and Literature, Mathematics, Science, Social Studies, Economics, Art, Music, Speech – prepared and impromptu, Interview, and Essay.

Students are divided into 3 levels – Honors, QPA 3.75 and above, Scholastic, 3.0 to 3.74, and Varsity, below 3.0. In this way they are competing with students closer to their ability.

Although the same ten areas are studied every year, the specific material within the ten subjects will vary. The science may be biology, chemistry, or physics; the social studies may be a specific time period or a specific geographical area; the language and literature and may include any classic novel, play, or poetry; the fine arts areas will consist of specific periods or genres.

ART

ART I

Grades: 9-12

#6996

(.5 Credit)

Prerequisite: None

Course Description: Art I is open to all students regardless of their previous art experience. Students will have the opportunity to develop skills by using a variety of drawing and painting mediums. They will be given instruction in shading, figure drawing, perspective and painting techniques. This class will present the elements and principles of design as well as color theory.

ART II

Grades: 9-12

#6997

(.5 Credit)

Prerequisites: Art I

Text: None

Course Description: Take the next step to elevate your art skills. Art Two will afford the serious art student the opportunity to improve their artistic ability through a variety of two dimensional experiences. The focus will be on working with pencil, conte crayon, charcoal and pastels in a range of drawing assignments. Members of this class will create a self portrait, still life and landscape in acrylics and complete weekly assignments which will be critiqued by members of the class.

ART III

Grades: 11, 12

#6998

(.5 Credit)

Prerequisites: Art I and Art II

Text: None

Course Description: It's time to show off creativity. Armed with the fundamentals of Art I and Art II, this is students' chance to produce artwork which reflects personal style and inner expression. As a member of this class, students will be given assignments that offer a greater freedom to personalize artwork and showcase creativity. Students will work in drawing and painting mediums to produce art that is unique. Students are expected to complete a weekly assignment and sketchbook.

CERAMICS I

Grades: 9-12

#6955

(.5 Credit)

Prerequisites: None

Text: Information covered in class will be outlined in handouts and distributed to the students throughout the semester.

Course Description: Ceramics I is an exciting adventure that will introduce students to ceramic clay and the ceramic process. Students will discover the properties of clay; learn about the history of its uses as both functional and decorative art forms. Students will experience clay preparation techniques, explore slab, coil and pinch pot construction

through assigned projects. Students will design, decorate and glaze their own pottery.

CERAMICS II

Grades: 10-12

#6956

(.5 Credit)

Prerequisites: Ceramics I

Text: Information covered in class will be outlined in handouts distributed to the students throughout the semester.

Course Description: Ceramics II continues the creative clay adventure and builds on their prior experiences while broadening their knowledge and improving their skills in ceramics. Students will construct a variety of projects that include clay modeling, 3-dimensional slab construction and low relief sculpture. A variety of different glazes and surface treatments will be used. Artists will assist in the preparation, loading and unloading of the kiln.

ADVANCED CERAMICS

Grades: 11, 12

6957

(.5 Credit)

Prerequisites: Ceramics I, II, Teacher Recommendation

Text: Information covered in class will be outlined in handouts and distributed to the students throughout the semester.

Course Description: Advanced Ceramics is a course designed for the serious ceramics students that are dedicated in furthering their knowledge, skills and creative endeavors in clay. All projects will be built on the foundations of ceramics II. Students will gain knowledge and skill at a higher level, using hand building and the potter's wheel. They will be actively involved in the individual design of each proposed project. Students will need to spend additional time working after school, due to the complex nature of the projects. Students will demonstrate an understanding of ceramic vocabulary, pug clay and assist in loading and unloading the kiln. They will incorporate art history themes in their work and decorate projects using a variety of methods. Focus on quality construction will be a top priority. Over and under glazes will be used and students will be required to maintain a notebook with sketches and design proposals. Students will be responsible for any extra fees or cost required to complete final projects.

POSTER ART**Grades:** 9-12**#6905****(.5 Credit)****Prerequisites:** None**Text:** "Speedball Lettering Text"

Course Description: Poster Art is designed to introduce the art of lettering with both pen and brush. The class works with acrylic paint, colored pencil and marker to create a series of posters incorporating design concepts and lettering. Students also learn calligraphy using pen and ink and develop large-scale posters of a person, using graphing and paint. Execution of ideas, mastering mediums and neatness are key to successful projects in this class.

ADVANCED PLACEMENT ART HISTORY #6989**Grades:** 11, 12**(1 Credit)****Prerequisites:** Teachers recommendation
Year long class**Text:** *Art Through Time* (Laurie Schneider Adams)
SECOND EDITION
The Annotated Mona Lisa (Carol Strickland)

Course Description: Take a trip from the prehistoric caves of Altamira to present studios of contemporary artists. This class is an introduction to Western Art and Architecture with attention to non-European cultures. This progressive course introduces students to artists, schools and movements, chronological periods and specific dates, and the subjects, styles, and techniques of particular works of art. Students will explore varying context of ideas and social historical situations in which works of art have been created. Students will gain an appreciation of art from various times and cultures and they will learn about the materials and processes in the creation of art and architecture from class lectures, readings of the text, video and slide presentations. Each student will be required to give a detailed presentation of an artist, period or style of art or a specific work of art.

ADVANCED PLACEMENT STUDIO ART #6994**Grades:** 11, 12**(1 Credit)****Prerequisites:** Teacher recommendation; Year long class**Text:** None

Course Description: This course is designed for the highly motivated art student committed to producing a quantity of quality, two-dimensional artwork. The student artist is required to create a portfolio of artwork over the course of the school year. Each portfolio will be comprised of three sections: A quality section made up of five matted works of art; The breath section made up of twelve slides showing diversity in a variety of mediums; and the third section: a series of twelve slides documenting an exploration by the student into a specific area of concentration designed by the student. Members of this class will be exposed to demonstrations and videos aimed at presenting a variety of approaches and techniques in drawing and painting.

COMPUTER TECHNOLOGY

MICROSOFT OFFICE AND INTERNET SKILLS #3989 **Grade: 9 (.5 Credit)**

Text: MS Office 2000 Applications; Multi Media MicroType Software

Course Description: When students complete this required semester course, they will possess the computer skills necessary for successfully completing assignments in their classes at Collegiate Academy, college and beyond. This hands-on exciting class explores Microsoft Word, Excel and PowerPoint beyond the novice level. Students will feel comfortable using their acquired computer expertise while pursuing their academic goals today and in their future.

ADVANCED COMPUTER APPLICATIONS #6802 **Grades: 9, 10, 11, 12 (.5Credit)**

Prerequisite: Microsoft Office and Internet Skills

Text: Office 2000 Advanced Concepts; "Par Fore" Advanced Simulation

Course Description: This course will elevate students' Microsoft Office skills to the expert level. By successfully completing the class projects and simulations, students will acquire expert skills and be able to meet the challenge of the MOUS (Microsoft Office User Specialist) exam if they so choose. This exam is the computer industry's universally accepted barometer that measures an individual's computer skill. Office Specialist Certification sets students apart in today's competitive job market, bringing employment opportunities, greater earning potential and career advancement, in addition to increased job satisfaction. This is a wonderful certificate for students' resume that traditionally isn't achieved until post-secondary education.

PC MANAGEMENT/NETWORKING #6819 **Grades: 10, 11, 12 (.5 Credit)**

Prerequisites: Microsoft Office I, Advanced Computer Applications, and Internet Skills

Text: Guide to Managing and Maintaining Your PC

Course Description: Computer savvy students will learn how computer software and hardware interact. They will be able to identify the internal and external components that make up a system, and gain the knowledge to perform upgrades to extend a computer's useful life. Students will also learn network terminology, configurations, and infrastructure for LAN's and WAN's. They will learn about the communications equipment needed to set up a basic network and the importance of managing a network and protecting its assets.

VISUAL BASIC and C++ PROGRAMMING #6805 **Grades: 11, 12 (.5 Credit)**

Prerequisites: Microsoft Office I, Advanced Computer Applications, and PC Management

Text: Using Visual Basic and An Introduction to Programming with C++

Course Description: Advanced computer students will learn basic coding using the two most popular and current languages. They will develop structured coding methods, debugging skills, and logic for efficient problem solving.

INTRODUCTION TO AUTOCAD/DRAWING # 6806 **Grades: 10, 11, 12 (.5Credit)**

Prerequisites: Intro to Microsoft Office and Geometry

Text: AutoCAD 2000 Tutor, Engineering Drawing

Course Description: Students take the ideas and sketches of an architect or engineer, and turn them into working drawings and blueprints. Using the latest Computer Aided Design (CAD) software students learn the principles of design used by engineers and explore 2D technical drawing concepts. This class is the foundation to develop the skills needed for 3D modeling and design. Architect, Engineer or Interior Designers are just a few fields that utilize the knowledge of CAD. Students learn multi-view detailing, dimensioning basics, isometric and perspective drawing techniques. This class creates the foundation needed for classes in Engineering or 3D molding both at Academy and beyond.

3D SOLID MODELING-Autodesk Inventor # 6807 **Grades: 11, 12 (.5Credit)**

Prerequisites: Introduction to AutoCAD- 2D

Text: Inventor, Parametric design

Course Description: Using the latest computer technologies for 3D engineering design, students explore unique design advantages. Students use Autodesk Inventor, a parametric solid modeling design software package. Hands on experiences allow the student to explore the exciting field of Computer Aided Engineering. Basic drawing principles to full assembly and animations are created on the desktop. Inventor is used extensively by the robotics team members to design our Robot.

WEB PAGE DESIGN #6810
Grades: 10, 11, 12 (.5 Credit)

Prerequisites: Microsoft Office I, Advanced Computer Applications, and some digital imaging experience

Text: Creating Web Pages with HTML, Dreamweaver 4, and Flash MX

Course Description: Students enrolled in this course will learn about the tools and techniques used by web publishers. They will become familiar with Internet protocol used for HTML and web page editors/browsers. Students will also have the opportunity to work with popular web publishing software: Macromedia Dreamweaver, Macromedia Flash, and Microsoft FrontPage

PHOTOGRAPHY DIGITAL IMAGING #6811
Grades: 10, 11, 12 (.5 Credit)

Prerequisites: Microsoft Office/Internet, Advanced Office

Text: Photoshop, Digital Photography, Exploring Photography

Course Description: Using advanced digital editing software students learn the power of Photoshop to create works of art. This is an in-depth study of photography and current technologies. Students learn how to use digital cameras, scanners, color inkjet printers and our large poster printer. The use of a 35mm camera, darkroom film processing and darkroom enlarging are included. Camera selection, creative composition image manipulation and enhancement are studied. Student also can use the school's professional studio lighting system for experimentation. The use of photography for web page design and other graphic design experiences are provided.

ENGINEERING TECHNOLOGY #6815
Grades: 12 (1 Credit)

Prerequisites: Physics and Introduction to AutoCAD
ADD- Robotics' team membership recommended

Course Description: Using engineering simulation modules, students get hands-on experience with several engineering applications. Students study, research and develop design solutions to problems engineers face every day. Experiences include the use of plastic injection molding, Robotics programming, pneumatics simulation, electronics, materials engineering, Computer Automated Milling (CAM), precision measuring training and Thermal systems. The concept of the 'design cycle' is used for several design projects. Research, design modeling, building, testing and review are required for each project. Students involved in the First Robotics team competition would find this class helpful.

ADVANCED PLACEMENT COMPUTER SCIENCE
Grades: 11, 12 #6820
(1 Credit)

Prerequisites: Visual Basic and C++ Programming Course

Text: Java Software Solutions for AP Computer Science

Course Description: Build upon the knowledge acquired in Visual Basic and C++ programming. Students will learn enhanced structuring techniques/ methodologies, advanced data structures, and further problem definitions. Students will also further refine their program design, and debugging skills.

MEDIA PRODUCTION #1998
Grades: 11, 12 (1 Credit)

Prerequisites: Microsoft Office, Photo Digital Imaging, Broadcast Journalism

Text: Video 101, Photoshop CS3

Course Description: This technology-based course will acquaint students with the tools of media production, basic concepts of production and increase awareness of media technology. Students will learn the fundamentals and techniques involved in the design and production of visual messages. Participants will be required to produce various print, video, and mixed media projects that will be used to promote the mission and vision of Collegiate Academy.

3D STUDIO MAX –ANIMATION #6812
Grades: 11, 12 (.5 credit)

Prerequisites: Introduction to AutoCAD-2D
Recommended: 3D Solid Modeling

Text: Learning 3D studio Max

Students are introduced to 3D Studio Max, one of the best 3D design and animation programs in the world. Used by architects for presentations, and the entertainment industry to create feature films such as X-Men 3 and The Incredibles. Students start by building simple 3D shapes and later develop full animated movie clips. 3D max is used by our robotics team to create several animations as part of our yearly competition

LANGUAGE ARTS

LANGUAGE ARTS 9 Grade: 9

#1403
(1 Credit)

Prerequisites: Required summer reading: *Watership Down*. All students also required to purchase their own copy of *A Pocket Style Manual 5th Edition* by Diana Hacker through the school at a discount.

Texts: *The Language of Literature*
The Writer's Craft
Sadlier-Oxford Vocabulary Workshop: Level D
The Odyssey
A Midsummer Night's Dream
Romeo and Juliet
Of Mice and Men
Jane Eyre
Pygmalion

Course Description: This Language Arts course introduces the development of college level writing skills with a focus on literary response and practice in narrative, expository, and persuasive forms of writing. Students embark on a chronological journey of mankind through time in literature, beginning with the epic poem *The Odyssey* and ending with the novelette *Of Mice and Men*. Language Arts 9 begins the development of the strong analytical skills necessary for success in later Language Arts and other AP classes. Students will analyze fiction and non-fiction and will be exposed to AP style objective testing and essay writing. Concentration on PSAT and SAT skills will also be a major focus of the course, including but not limited to, the development of vocabulary and critical reading skills.

LANGUAGE ARTS 10 Grade: 10

#1503
(1 Credit)

Prerequisites: Language Arts 9. Required summer reading: *Fahrenheit 451* and *Anthem*. All students also required to purchase their own copy of *A Pocket Style Manual 5th Edition* by Diana Hacker through the school at a discount.

Texts: *Lord of the Flies*
To Kill a Mockingbird
Night
The House on Mango Street
The Language of Literature – selected short stories, poems, and essay.
Oedipus Rex
Antigone
Othello
Sadlier-Oxford Vocabulary Workshop, Level E

Course Description: Beginning with an examination of two failed utopias, this course continues to engage students in an exploration of humans' desire for a perfect world. We consider what is important in an ideal society and discuss the issues that complicate our world. By reading and responding to novels, short stories, poetry, essays, and drama, students continue to develop their appreciation of literature, critical

thinking, and writing skills. They also expand their ability to respond meaningfully to literature through interpretation and analysis. Students write in a variety of modes including narrative, expository, and argumentative. A fully documented research paper that meets all required criteria is necessary for successful completion of this class. Students also study college-level vocabulary and develop PSAT, SAT, and PSSA skills.

LANGUAGE ARTS 11 Grade: 11

#1605
(1 Credit)

Prerequisites: Language Arts 9 and 10. Required summer reading: *The Grapes of Wrath* and *The Harvest Gypsies* both by John Steinbeck.

Texts: *The Language of Literature*
My Antonia
The Crucible
The Adventures of Huckleberry Finn
Macbeth
A Raisin in the Sun
Yellow Raft in Blue Water
Sadlier-Oxford Vocabulary Workshop, Level F

Course Description: In this survey of American literature, students journey across Midwest America with the Joads in *The Grapes of Wrath* and drift down the Mississippi with Huck and Jim in *The Adventures of Huckleberry Finn*, exploring the American Dream and the true meaning of friendship and family. Students evaluate courage as they stand beside John Proctor in *The Crucible* when he goes on trial for witchcraft and reflect on alienation as the women in *Yellow Raft in Blue Water* try to navigate within their family and between the Indian reservation and contemporary American society. Students will meet other writers through various short stories, poetry, essays, and plays. Language Arts 11 is intended to engage students in college-level thinking, discussions, writing, and research. Students will develop analytical skills, evaluate literary criticism, and further their understanding of literary devices in order to respond critically to the literature they read. Additionally, students hone their vocabulary and other skills needed for PSAT, SAT, and PSSA tests. Successful completion of this course requires writing a fully documented research paper on a selected literary work.

CLASSIC LITERATURE OF THE WESTERN WORLD #1720
Grades: 11,12 (1 credit)

Prerequisites: Successful completion of AP Languages and AP Literature. Required summer reading: *The Centaur* by John Updike

Text: *The Norton Anthology of World Literature Volumes A-F*

Course Description: This honors level course is designed for juniors and seniors who have completed both AP Language and AP Literature, although some students may be currently enrolled in AP Literature. Students will explore the foundations of Western thought and literature, which encompasses important works from 2500 B.C. through the present. Historical context and cultural traditions will also serve as guides for study. Students will complete a fully documented research paper that examines the critical literary elements or historical importance of chosen selections.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION #1603
Grade: 10, 11 (1 Credit)

Prerequisites: Exemplary completion of Language Arts 9 or 10. Students should also be committed to the careful reading and critical analysis of fiction and non-fiction. Required summer reading: *The Grapes of Wrath* by John Steinbeck and *Class Matters* by the *New York Times* and Bill Keller. (Please refer to the Advanced Placement page 1 of the course book.)

Texts: *The Essay Connection*
The Elements of Style
Quick Access
The Catcher in the Rye
Adventures of Huckleberry Finn
The Fountainhead
The Republic
The Apology
Civil Disobedience
Self Reliance
Sinners in the Hands of God
I Have a Dream
Macbeth

Course Description: This course has two equally important goals. First it will prepare students to succeed on the Advanced Placement Language and Composition test, which is administered in May. Second, it will offer students the chance to work at a college level, providing excellent preparation for the challenges and demands they will meet in college. The class focuses on the rhetoric of non-fiction of literary merit. Students work to develop as writers by integrating into their own writing the rhetorical skills they study in the writing of master authors. Students also read a number of classic American novels and aggressively study advanced vocabulary that will contribute to their success on the AP, SAT, and ACT tests. A fully documented research paper that meets all required criteria is required for successful completion of this class.

LANGUAGE ARTS 12 #1705
Grade: 12 (1 Credit)

British Literature
Medieval Period to Modern Times

Prerequisites: Students enrolled in this course are required to complete two summer readings: *Grendel* by John Gardner and *Life of Pi* by Yann Martel.

Texts: *The Language of Literature*
Beowulf
The Canterbury Tales
Hamlet
The Tempest/Taming of the Shrew
Frankenstein
Brave New World
Animal Farm
Latin/Greek Roots: A Study of Word Families

Course Description: When thinking about Medieval England, visions of battles between fire-breathing dragons and mythical creatures, fierce warriors challenging knights in shining armor, beautiful damsels waiting patiently for their rescue, and the existence of a magical kingdom with a sword encased in stone may come to mind. These Anglo-Saxon and early English Renaissance images are but a launching point in the exploration process that will gradually incorporate the development of Romanticism and Victorian literature. The year's study will conclude with contemporary societal viewpoints as expressed in modern works of literature. Students will examine the characteristics of epic poetry, frame story, and concentric circles of narration; evaluate themes of divine providence, appearance versus reality, and the power of vengeance; investigate the philosophies of Nihilism and Modernism; and appraise the values of Utopian/Dystopian cultures. The analysis of Latin/Greek rooted vocabulary and literary terminology continues to enrich established background studies. Students will enhance their critical thinking and analytical writing skills by completing a variety of essays as well as a formal MLA documented literary criticism research paper that is a requirement for graduation.

ADVANCED PLACEMENT LITERATURE & COMPOSITION #1703
Grades 11-12 (1 Credit)

Prerequisites: A commitment to the careful reading and critical analysis of literature. Required summer reading: *The Awakening* by Kate Chopin and *Life of Pi* by Yann Martel.

Texts: *The Bedford Introduction to Literature*, Fifth and Sixth Editions
The Things They Carried
The Great Gatsby
Their Eyes Were Watching God
Slaughterhouse Five
The Scarlet Letter
Hamlet
A Streetcar Named Desire

Course Description: The overall description of this intensive course is defined by the College Board. Advanced Placement Literature and Composition is a college level course that engages students in careful reading and critical analysis of imaginative literature. Through the close reading of selected texts that include short fiction, novels, drama, and poetry, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students will complete a fully documented research paper that examines the critical literary elements of a selected novel/drama.

RESEARCH
Grade: 9

#1945
(.5 Credit)

Prerequisites: All Freshmen must take this course.

Text: *Writing Research Papers: A Complete Guide*

Course Description: This course is designed to prepare the student for the requirements of research paper writing. This skill is necessary to complete the research paper that is required in all Language Arts classes and many of the other disciplines at Collegiate Academy. It is a vital skill in all college/university course work. Students will be given intensive instruction in all phases of the research process, from selection of a topic to the publication of an actual paper. The course follows the Modern Language Association of America (MLA) format for textual citation. The course also teaches the retrieval of information from traditional sources to the latest electronic resources. **A RESEARCH PAPER IS REQUIRED IN ORDER TO PASS THIS COURSE.**

JOURNALISM I
Grades: 9, 10, 11,12

#1943
(.5 Credit)

Prerequisites: None

Course Description: What are your First Amendment rights, and why are they important to us? How does the media impact your life and people's perceptions of the world and others in it? Students will explore these questions on a daily basis through class discussions, group and individual projects, and writing assignments. The newspaper is only the beginning as students read, watch, and evaluate various modes of the media and become acquainted with journalistic techniques including interviewing, research, and composition of various types of articles. This class is a foundation for Newspaper, Yearbook, and Broadcast Journalism.

MEDIA STUDIES
Grades: 9, 10, 11,12

#1944
(.5 Credit)

Prerequisites: None

Course Description: What are your First Amendment rights, and why are they important to us? How does the media impact your life and people's perceptions of the world and others in it? Students will explore these questions on a daily basis through class discussions, group and individual projects, and writing assignments. The newspaper is only the beginning as students read, watch, and evaluate various modes of the media and become acquainted with journalistic techniques including interviewing, research, and composition of various types of articles. This class is a foundation for Newspaper, Yearbook, and Broadcast Journalism.

DESKTOP PUBLISHING
Grades: 9, 10, 11, 12

#1944
(.5 Credit)

Prerequisites: None

Text: *Adobe PageMaker 6.5*

Course Description: For students interested in publication design or desire to be a future member of the yearbook or newspaper staff. In this semester course, students are introduced to the concepts of design and the basic elements of desktop publishing using Adobe In Design. Students will then construct an individual newsletter, create a title page spread for a magazine article, produce a magazine ad, generate a brochure, and design newspaper and yearbook pages.

YEARBOOK
Grades: 10, 11, 12

#1911
(1 Credit)

Prerequisites: Journalism and Desktop Publishing
Teacher Recommendation

Course Description: The selected, highly self-motivated, and creative members of the yearbook staff are responsible for the successful production of our 192 page yearbook, *The Collegian*, using Jostens Yearbook Avenue. These students design all aspects of the yearbook and cooperate as a team with one goal in mind: The best yearbook ever!

NEWSPAPER
Grades: 10-12

#1931
(1 Credit)

Prerequisites: Journalism and Desktop Publishing
Teacher recommendations

Course Description: Students selected for this class will be responsible for gathering and writing news for *The Rhetorical Question's* monthly publication and website. Students will be responsible for the layout and design of both formats and will be required to attend events in order to gather information and take pictures.

THEATRE ARTS I
Grades: 9, 10, 11, 12

#1916
(.5 Credit)

Text: *Everything About Theatre!*

Course Description: This one semester course will introduce students to the fundamentals of acting and theatre, including the historical development of the stage. Students will be introduced to many aspects of technical theatre. Basic acting techniques and terminology will be covered through improvisation, scripted rehearsals and performance.

THEATRE ARTS II
Grades: 10, 11, 12

#1917
(.5 Credit)

Prerequisites: Theatre Arts I

Course Description: This one semester course will allow students to continue to improve acting skills through improvisation, scripted rehearsal and performances with a higher concentration on character development and script interpretation. A greater involvement in technical theatre and design will be included in this class. Students will also learn of the many careers available in the world of theatre. Participants are required to view theatrical productions throughout the semester and compose reviews of the many aspects of the production.

POETRY APPRECIATION
Grades: 10, 11, 12

#1934
(.5 Credit)

Prerequisites: Language Arts 9

Texts:

The Poetry Reader's Toolkit, Marc Polonsky
How to Build a Long-Lasting Fire, Carol Morrison
The Premier Book of Major Poets, Anita Dore, ed.
Dover Thrift Editions anthologies

Course Description: Poetry Appreciation is a course for the student who loves to read and write – the creative soul. The class work begins with the reading of a variety of poems. The nature, forms, and techniques of poetry are learned through the experience and analysis of the masters. Students will write original poetry expressing their own life experiences, and will conclude the course with the publishing of an original, illustrated book.

FICTION WORKSHOP
Grades: 11, 12

#1901
(.5 Credit)

Prerequisites: Language Arts 9 and 10

Text: Various Stories and Texts

Course Description: This course is divided into two sections. The first section will review the background and elements of fiction including plot structure, character, setting, theme, point-of-view, dialogue and voice/tone. Writing assignments will include practice activities to strengthen these skills. The second section of this course is designed as a true workshop environment in which students will complete a variety of writing exercises that will be evaluated through oral presentations and by peer scoring rubrics. Students are expected to submit one of their writings to *The Forum* and/or other publications.

BROADCAST JOURNALISM
Grades: 10,11 and 12

#1995
(.5 Credit)

Prerequisites: Journalism I, Language Arts 9

Text: *Writing News for Television, Video 101*

Course Description: Behind the camera or in front of the camera, it's covered in Broadcast Journalism. This course introduces students to all aspects of broadcast news and video production, including shooting, editing, and adding special effects to video, as well as writing and reporting for the small screen. Students in this class will gain experience in all three phases of production, working in teams to create a series of video projects, including public service announcements, music videos, and news packages.

THEATRICAL PRODUCTION
Grades: 10, 11, 12

#7911
(1 Credit)

Prerequisites: Theatre Arts I and II

Course Description: The focus of this year long class involves the producing of the school theatrical productions. Using the skills learned in previous theatre classes, the students work on all aspects of the school's productions including; publicity, set design/construction, costume design/construction, lighting, sound, makeup, and props as well as stage management and direction. Students will also continue working on performance skills through acting exercises. Participants are required to view theatrical productions throughout the year and compose reviews of the many aspects of the production. This course may be taken more than once

TELEVISION PRACTICUM (K.I.N.G. – TV) #1897
Grades: 10, 11, 12

(1 Credit)

Prerequisites: Broadcast Journalism.
Teacher Recommendation.

Course Description: "Three. Two. One. Take tape with audio full; ready camera one on a two shot in three, two, one. Cue anchors and open their mics." This pressure-filled atmosphere of live TV is intended to excite and motivate students. Students are required to arrive at the studio at 7:45 in the morning and work in their various positions until 8:20 every morning. This Language Arts course will allow students to put all the communication theories and production techniques to work as they produce daily, weekly, and specialized video packages to be broadcast to the rest of the school. The classroom is an actual television studio where students combine their on-air and behind the scene talents to broadcast live every morning. Students will rotate positions throughout the year and find themselves in the role of a technical director, audio or tape engineer, a graphics or camera operator, an anchor or possibly a producer.

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Algebra 1	Geometr y	Algebra 2	Trig/Pre- calculus
			College Algebra
			AP Statistics
			Trig/Advanc ed Math
Geometry	Algebra 2	Trig/Pre - Calculus *	AP Calculus AB
		College Algebra	AP Calculus BC
		AP Statistics	AP Statistics
Geometry and Algebra 2 concurrently **	Trig/Pre -calculus	AP Calculus AB	College Math Class
		AP Calculus BC	
		AP Statistics	AP Statistics

*It is highly recommended that any student wishing to take any of the Calculus classes, take Trig/Pre-Calculus.

** Students who take Geometry and Algebra 2 concurrently do so with the intent of exhausting our Mathematics curriculum and possibly taking College classes to continue their mathematical education

MATHEMATICS

Calculator Requirements

- No graphing calculator is permitted in Algebra I
- A scientific calculator is required for Geometry
- A graphing calculator (TI-83 or TI-84 series) is required for all classes beginning with Algebra II

ALGEBRA I #3910
Grade: 9 (1 Credit)

Course Description: This course is the building block of the high school mathematics curriculum. Students will learn the applications and terminology of Algebra. This course is designed to help students succeed in future mathematics classes in the high school and college environment. This class focuses on reading and writing mathematically, communicating with mathematics, organizational skills and, of course, Algebra.

DISCRETE MATHEMATICS #3944
Grade: 9 (.5 Credit)

This course is required for ninth grade students.

Course Description: This one-semester course includes disciplines required for success in high school and college level mathematics. Topics include foundations of algebra, solving equations, graphing and writing equations, factoring and applications of mathematics to the sciences and economic environments.

GEOMETRY #3932
Grades: 9, 10 (1 Credit)

Prerequisites: Algebra I

Course Description: This course focuses on learning concepts in plane and solid Euclidean Geometry, starting with the basics; points, lines, planes and angles and working into two-dimensional figures such as triangles, polygons and circles. Students will concentrate with area of two-dimensional figures and surface area, volume of three-dimensional figures and coordinate geometry. The curriculum is aligned with the topics covering the PSSA and SAT standardized tests.

ALGEBRA II #3922
Grades: 10, 11 (1 Credit)

Prerequisites: Algebra I, Geometry

Course Description: This course will further students' knowledge of algebraic concepts and increase skills in algebraic computations. Algebra II constantly reviews concepts covered in Algebra I. Functions covered include Linear, Quadratic, Polynomial and Radical. Students will be exposed to imaginary numbers, matrices, rational exponents and an introduction to probability and statistics. Upon completion of Algebra II, students will be prepared to succeed on the SAT exam.

TRIGONOMETRY/PRECALCULUS #3949
Grades: 11, 12 (1 Credit)

Prerequisites: Geometry, Algebra II

Course Description: Trigonometry with Pre-Calculus develops the skills necessary to be successful in Calculus. The course includes the study of advanced algebra topics: equations and inequalities, polynomial, rational logarithmic and exponential functions, matrices, intervals, graphs and asymptotes. Trigonometric topics include right triangle, functions, graphs, identities, equations, formulas and laws. The final segment of the course will introduce limits for Calculus. This course is intended for those students planning on taking Calculus or AP Calculus.

COLLEGE ALGEBRA/TRIGONOMETRY #3724
Grades: 11, 12 (1 Credit)

Prerequisites: Geometry, Algebra II

Course Description: College Algebra/Trig is a full year course focusing on advanced algebra concepts; polynomial and rational functions, exponential and logarithmic functions, graphs of functions, systems of equations and inequalities, matrices and determinants. Trigonometric topics include functions and graphs, right and oblique triangles, identities, equations, complex numbers, formulas and laws. This course is intended for those students pursuing a mathematical or scientific field of study.

TRIGONOMETRY/ADVANCED MATH #3951
Grades: 11 (elective), 12 (1 Credit)

Prerequisites: Geometry, Algebra II

Course Description: Concepts of Trigonometry covered during the first semester include right triangle trigonometry, radian and degree measure, trig graphs, identities, law of sines, law of cosines and vectors. Trigonometry is required for any student wishing to take calculus. Advanced Math concepts covered in the second semester include complex numbers, statistics, combinations, permutations and conic sections. This course is intended for those students pursuing a non-mathematic field of study.

ADVANCED PLACEMENT CALCULUS AB #3713
Grade: 12 (1 Credit)

Prerequisites: Trigonometry/Pre-Calculus or College Algebra/Trigonometry (Please refer to the Advanced Placement page 1 of the course book.)

Course Description: The Advanced Placement course in Calculus consists of a full year of work study that is comparable to calculus courses in colleges and universities. It is expected that students who take an advanced placement course in Calculus will seek college credit, college placement or both for institutions of higher learning. The course will consist of elementary functions and topics in differential and integral calculus as well as their applications. This course emphasizes a multirepresentational approach to calculus, with concepts, results and problems being expressed geometrically, numerically, analytically and verbally.

ADVANCED PLACEMENT CALCULUS BC #3716
Grade: 12 (1 Credit)

Prerequisites: Trigonometry/Pre-Calculus or College Algebra/Trigonometry (Please refer to the Advanced Placement page 1 of the course book.)

Course Description: The Advanced Placement course in Calculus consists of a full year of work study that is comparable to calculus courses in colleges and universities. It is expected that students who take an advanced placement course in Calculus will seek college credit, college placement or both for institutions of higher learning. The course will consist of elementary functions and topics in differential and integral calculus as well as their applications. This course emphasizes a multirepresentational approach to calculus, with concepts, results and problems being expressed geometrically, numerically, analytically and verbally.

ADVANCED PLACEMENT STATISTICS #3952
Grades: 11, 12 (1 Credit)

Prerequisites: Algebra II (Please refer to the Advanced Placement page 1 of the course book.)

Course Description: The Advanced Placement course in Statistics consists of a comparable semester course in Statistics available in most colleges or universities. It is expected that students who take this advanced placement course in Statistics will seek college credit for this class. The course will consist of the major concepts and tools for collecting data, while analyzing and drawing conclusions from that data. Students are exposed to four broad conceptual themes.

- a. Exploring Data: Describing patterns and departures from patterns
- b. Sampling and Experimentation: Planning and conducting a study
- c. Anticipating patterns: Exploring random phenomena using probability and simulation
- d. Statistical inference: Estimating population parameters and testing hypothesis.

A secondary goal of this course is to give students the knowledge to be better consumers and learners.

- a. Students should be able to see or question the validity of statements or information presented to them in everyday life.
- b. Statistics is an integral part of many other subject areas; a well-rounded basic knowledge will benefit students through understanding concepts and relationships in other subjects such as the physical and social sciences

PROBLEM SOLVING STRATEGIES #3938
Grades: 9, 10, 11, 12 (.5 Credit)

Prerequisites: None

Course Description: The basis of this class is the teaching and learning of strategies that people in the world of work use when solving problems. Specifically, students will develop problem solving strategies, communication skills and attitudes, all in a team environment.

ADVANCED MATH TOPICS #
Grades: 10, 11, 12 (.5 credit)
Prerequisites: Algebra 1.5

Course Description: This is an advanced Problems Solving class, specializing in recreation and competitive mathematics. The intent of this course is to give the student who enjoys math or has success at math an opportunity to explore mathematical topics not covered in the regular curriculum. This course will have an independent component, so that students can work at a pace that fits their comfort and knowledge level. This course can also be repeated, as students can be at different places in their mathematical ability and still be able to learn new and interesting material.

MUSIC

Instrumental Classes:

WIND ENSEMBLE #8919
Grades: 9, 10, 11, 12 (1 Credit)

Prerequisites: Experience playing a musical instrument.
Enrollment is by audition only.

Course Description: This course is designed to broaden each student's knowledge of musical horizons through concert band music. Emphasis is based upon student participation in a variety of performance and rehearsal situations. Furthermore, each student will learn to appreciate not only contemporary styles of music, but also classical transcriptions, marches and standard concert band repertoire through performance and listening. This band is for the advanced level students.

ORCHESTRA #8931
Grades: 9, 10, 11, 12 (1 Credit)

Prerequisites: Experience playing an orchestra instrument.
Must have teacher approval.

Course Description: This course is designed to broaden the student's musical experience through orchestra music and rehearsal situations. Furthermore, each student will learn to appreciate not only contemporary styles of music, but also classical transcriptions, marches, musicals and standard orchestra repertoire through performance and listening.

JAZZ BAND I #8969
Grades: 9, 10, 11, 12 (1 Credit)

Prerequisites: Experience playing a musical instrument.
Enrollment is by audition only.

Course Description: This course is designed to broaden a students' knowledge of musical horizons through jazz band music. Emphasis is placed upon student participation in a variety of performance and rehearsal situations. Furthermore, each student will learn to appreciate not only contemporary styles of jazz music, but also jazz standards and original compositions through performance and listening.

JAZZ BAND II #8970
Grades: 9, 10, 11, 12 (1 Credit)

Prerequisites: Experience playing a musical instrument.
Enrollment is by audition only.

Course Description: This course is designed to broaden each students' knowledge of musical horizons through jazz band music. Emphasis is placed upon student participation in a variety of performance and rehearsal situations. Furthermore, each student will learn to appreciate not only contemporary styles of jazz music, but also jazz standards and original compositions through performance and listening. This band is for intermediate to advanced level musicians.

Vocal Classes:

9TH GRADE GIRLS' CHORUS #8863
Grade: 9 (1 Credit)

Prerequisites: Must be able to sing on pitch. Some choral experience is helpful, but not necessary.

Course Description: This beginning level chorus is an excellent introduction to the Collegiate Academy Vocal Department. It does not require an audition and is open to all freshmen girls. In addition to preparing choral selections for concert performances, portions of the class are conducted in the manner of a group voice lesson. Singers will focus on the basics of building correct vocal and choral techniques and will receive instruction in breath control, the development of a clear and open vocal tone and vocal range expansion. Music-reading skills – including beginning sight-singing, rehearsal techniques and singing groups harmonies – will be addressed. In addition to improving individual vocal skills, the group dynamics of this class provide a wonderful vehicle for the development of friendships and a sense of belonging.

***Pianists may audition to serve as accompanists.**

WOMEN'S CHOIR #8956
Grades: 10, 11, 12 (1 Credit)

Prerequisites: Must be able to sing on pitch.
Enrollment is by audition only.

Course Description: Women's Chorus, an intermediate level choral group, is open to girls in grades 10-12 and requires an audition. Students will continue to address the development of correct vocal techniques and music-reading skills through the use of more advanced choral literature, performing both 3 and 4 part selections. A variety of musical styles, including classical, spirituals, Broadway and pop/contemporary selections will be used throughout the year. Students will sing in a variety of foreign languages and will be introduced to a cappella singing. ***Pianists may audition to serve as accompanists.**

CHAMBER SINGERS #8957
Grades: 10, 11, 12 (1 Credit)

Prerequisites: Must be able to sing on pitch.
Enrollment is by audition only.

***9th grade boys may also audition for this class.**

Course Description: Chamber Singers, an advanced level traditional mixed choral group, is open to students in grades ***9-12 (9th grade boys may audition for this class.)** This prestigious 50-60-member ensemble regularly performs for both school and community events. Choral selections range from such classical works as Handel's *Messiah* and Mozart's *Requiem* to spirituals, Broadway and contemporary works from artists such as Moses Hogan, Josh Groban and Celtic Woman. While an emphasis is placed on a cappella singing, students also perform with live instrumentation. Students from this group consistently qualify for Region II and PMEA State Honors Choruses.

VOCAL JAZZ #8972
Grades: 10, 11, 12 (1 Credit)

Prerequisites: Must be able to sing on pitch. Some choral experience is helpful but not necessary. Enrollment is by audition only.

Course Description: For the advanced singer, this select group of 14 singers performs vocal jazz music in the style of Manhattan Transfer and New York Voices. They have performed at Disney World and have been featured at Jazz Erie events. They also present Singing Valentines – a yearly fund-raising event that continues to grow in popularity and receives rave reviews. In addition to preparing concert selections, this group focuses on the unique characteristics of vocal jazz, such as improvisation. Improvisation is one of the Pennsylvania music standards, and is alive and well here at Collegiate Academy. Vocal Jazz singers practice improvisation or “scatting,” every class and listen to such jazz greats as Ella Fitzgerald, Billie Holiday and today's Nora Jones and Michael Buble. When performing, students sing with individual microphones and a sound system. Stage presence, vocal projection and blend, and microphone technique are also addressed. Students perform with CD accompaniment, piano accompaniment and live instrumentation. Students from this class have been selected to perform with the PMEA State Vocal Jazz Ensemble.

***Pianists may also audition to serve as accompanists.**

ADVANCED VOICE #8978
Grades: 9, 10, 11, 12 (1 Credit)

Prerequisites: Must be able to sing on pitch. Some choral experience is helpful but not necessary. Enrollment is by audition only.

Course Description: For the serious singer, this audition only course is designed to provide group and private vocal instruction. Students displaying exceptional ability will work to develop correct vocal techniques and music reading skills, and in the process develop confidence and poise in performance situations. Audition preparation will be also addressed. Students will sing in a variety of musical styles including Broadway, classical and art songs, and will be required to perform in foreign languages. Quarterly Master Classes will be conducted and two recitals will be presented each year. In addition, this class performs as a small ensemble (Collegiate Voices) for select concerts and events. Open to students in grades 9-12.

VOCAL CLASS POLICIES:

Concerts presented for the school and various evening performances are required attendances. Unexcused absence will result in an immediate failure for that term. Students must memorize all performance literature and sing their part accurately. Each student is expected to give 100% effort, attention and participation in every rehearsal and performance. Failure to do so will result in the loss of percentage points on the final grade for the term.

The following courses run in a two-year cycle.

ADVANCED PLACEMENT MUSIC THEORY #8984

Grades: 10, 11, 12 **(1 Credit)**

***THIS COURSE WILL BE OFFERED IN 2009-2010
AND AGAIN IN 2011-2012**

Prerequisites: Must be able to read music and match pitch; previous study of an instrument or voice; recommendation of music teacher. Student must take a written pretest and an aural skills tests.

Text: *Music In Theory and Practice*, Benward and White; *Ear Training: A Technique for Listening*, Benward and Kolosick; *Music for Sign Singing*, Ottman.

Course Description: This college level course provides instruction in advanced music theory skills and prepares students to take the Advanced Placement Music Theory examination. The course begins with a review of the material covered in the MUSIC THEORY course and moves into more complex skills including advanced analysis, four-part writing, secondary dominants and modulations. Aural skills will continue to be developed by using more advanced levels of melodic and harmonic dictation in the classroom, and with the Auralia program. Students who successfully pass the AP exam may be rewarded college credit and/or be equipped to test out of level 1 college music theory. In addition, each student will compose an original work at the end of the year for presentation to the class. ***Students must take MUSIC THEORY or take an entrance exam. (Please see Mrs. Huster for further details.)**

MUSIC THEORY

#8983

Grades: 10, 11, 12 **(1 credit)**

***THIS COURSE WILL NOT BE OFFERED IN 2009-2010. IT WILL BE OFFERED IN 2010-2011.**

Course Description: For the student interested in music composition and/or considering music as a college major, MUSIC THEORY provides the tools necessary to get started. This course is open to students in grades 10-12 and will prepare students to take AP MUSIC THEORY, which is offered in alternating years. The fundamentals of music – such as notation, rhythm, intervals and chords – will be addressed, as well as an introduction to melodic elements and beginning four-part chorale writing in the style of Bach. (Common Practice) Ear-training (aural skills) is a major aspect of the course. In addition to classroom instruction, students will work in the Music Lab using the Auralia Ear-training computer program. Students will also be required to learn basic solfège (sight-singing). ***Students should be able to read both bass and treble clefs. (Not offered in 2007-2008; will be offered in 2008-2009.)**

SCIENCE

BIOLOGY

Grade: 9

#4500
(1 Credit)

Prerequisites: None

Text: Biology, Miller and Levine, copyright 2004, Pearson Education and Prentice Hall.

Course Description: There are over 2 million catalogued species of living things on our planet. What methods do scientists use to learn about them? What are living things made of and what makes them work? How can a molecule hold instructions to make living things? Biology is learned through the process of investigating chemistry, cell structure and function, genetics, evolution, classification and taxonomy and ecology. This required freshman course builds the use of logic, creativity, and analytical skills in an inquiry-based setting to teach the fundamentals of biology.

CHEMISTRY

Grade: 10

#4602
(1 Credit)

Prerequisites: Biology

Text: *Chemistry – Matter and Change* – 1st Edition, copyright 2004, Glencoe Publishing.
Chemistry Lecture Notes

Course Description: Many natural phenomena can be explained by understanding what happens on the molecular level. Students will see these mysteries unravel as they study the interactions between and among different types of matter. Students will be introduced to the basic concepts of inorganic chemistry, including but not restricted to: atomic theory, periodicity, quantitative calculations in chemistry, writing and balancing equations, bonding theory, stoichiometry, acid and bases, solution chemistry, and ideal gas law applications. The course will include extensive lab work relating the lecture material to real life situations. Formal lab reports will be required.

GLOBALBIOLOGY

Grades: 10, 11, 12

#4953
(1 Credit)

Course Description: Have you ever wondered about the wide variety of life on Earth? Do you seek a deeper understanding of humanity's impact upon the life on this planet? Are you looking for a course that will help to prepare you for AP Biology and AP Environmental Science or Anatomy and Physiology? Then, Global Biology is for you.

This course is a redesigned version of Human Biology. We will explore the different biomes starting with the temperate deciduous forest, examine species diversity and adaptations, and study the impacts, both negative and positive, that humans have had. Ecological principles like energy flow, cycles, carrying capacity, sustainability, human health and diseases, comparative anatomy, animal behavior, integrated pest management and environmental law will be included along the way.

EARTH/SPACE SCIENCE

Grades: 11, 12

#4402
(1 Credit)

Course Description Did you know if the earth had no moon that humans never would have come into existence? Were you aware that the largest and deadliest volcano on earth is underneath the United States and is active? Did you know that if you get struck by lightning that you would have something coursing through your body that is five times hotter than the surface of the sun? Have you heard that the Milky Way Galaxy is on a collision course with the Andromeda Galaxy? If these subjects interest you, Earth and Space Science might be the course for you. It is divided into three distinct disciplines: Meteorology, Geology and Astronomy. These subjects will be taught through lectures, oral presentations, films, demonstrations, and several laboratory activities.

PHYSICS

Grades: 11, 12

#4701
(Credit 1)

Prerequisites: Biology, Chemistry, Geometry, Algebra II

Text: *Holt Physics*, by Serway and Faughlin

Course Materials: Scientific calculator is required

Course Description: Did you ever wonder where you could actually use all that math from Algebra II class? This course uses Algebra II level math to relate matter, motion, and energy. Expect laboratory activities to measure, analyze, and predict the physical world around us. Also, expect problem solving activities with extensive use of mathematics. Areas covered: classical mechanics, heat, wave phenomena, and electricity.

ADVANCED PLACEMENT PHYSICS

Grades: 12

#4703
(1 Credit)

Prerequisites: Physics (Current enrollment in calculus recommended)

Text: *Physics Principles with Applications* by Giancoli

Course Materials: Scientific calculator is required.

Course Description: Do you want to learn even more about the topics covered in Physics? This course continues where Physics left off. It provides students with the opportunity to receive college credit. Expect a more intense program of critical thinking and analytic mathematical problem solving based on lecture, group collaboration, and independent study. Topics include: Fluid mechanics, thermal physics, atomic and nuclear physics, and quantum mechanics and more in-depth classical mechanics.

HUMAN ANATOMY & PHYSIOLOGY #4590
Grades: 11, 12 (1 Credit)

Prerequisites: Biology, Chemistry

Text: *Fundamental of Anatomy & Physiology*, 7th ed. Frederic H. Martini, Pearson. 2006

Course Description: Unlocking the mysteries of the human body continues to be a monumental challenge. Everyday there are new diseases to cure, technological advancements to implement, and ethical decisions to be made. What will we face in the future? The content material will particularly benefit students planning a careers in the medical or health science areas. The introductory topics of anatomical terminology and body tissues will provide the foundation for the study of the body systems. Anatomy (structure) as related to physiology (function) and diseases of the body systems will be emphasized through lectures, group and project work, dissections, and laboratory activities. It is recommended that A&P be taken concurrently with AP Biology.

ADVANCED PLACEMENT BIOLOGY #4713
Grades 11, 12 (1 Credit)

Prerequisites: Biology, Chemistry

Text: *Biology*, 7th Edition, Campbell and Reece, copyright 2005, Pearson Education and Benjamin Cummings.

Course Description: Scientists have determined much of what makes living things work at the cellular level, systems level, and the environmental level, yet many questions remain unanswered. This course examines what we know and what we don't know about living things. It also investigates the evidence supporting our ideas. This course teaches all of the topics found in the first two freshman biology courses and the first two labs at a typical university. Twelve AP labs are required. It is strongly recommended that students also take or have taken the AP Chemistry and Anatomy and Physiology courses. Students will be prepared to take the Advanced Placement Biology exam in the spring.

ORGANIC CHEMISTRY #
Grades 11,12 (1 Credit)

Prerequisites: Chemistry, AP Chemistry concurrent

Text: *Organic Chemistry*, Bailey and Bailey

Course Description: This is an entry level survey course of organic chemistry that will cover a large number of topics. This class is meant to introduce the basic principles of organic chemistry to students looking to pursue science based majors in college and allows them to develop a solid background before taking it at the college level. Subjects will include, but not be limited to: alkanes, alkenes, alkynes, nomenclature, reactions, aromatic hydrocarbons, stereochemistry, halogenated compounds, reaction mechanisms, and analysis of functional groups.

ADVANCED PLACEMENT CHEMISTRY
#4723
Grades: 11, 12 (1 Credit)

Prerequisites: Biology, Chemistry. (Please refer to the Advanced Placement page 1 of the course book.)

Text: *Chemistry*, 6th Edition, Zumdahl, copyright 2003, Houghton Mifflin Publishing

Course Description: This class is designed for the mathematically and scientifically minded student looking for a challenge. Students will be introduced to topics and concepts covered in a college freshman chemistry course of both lecture and lab. They will attain a depth of understanding of fundamentals and a competence in dealing with chemical problems. The course will contribute to the development of students' ability to think clearly and express their ideas, orally and in writing, with clarity and logic. An emphasis will be placed on complex quantitative calculations related to chemistry. Topics covered will include but not limited to: chemical foundations, atoms, molecules and ions, stoichiometry, chemical reactions, solution chemistry, gas laws, thermo chemistry, atomic structure, periodicity, bonding theory, orbital theory, liquids and solids, colligative properties, kinetics, chemical equilibrium, acids and bases, spontaneity, entropy, free energy, electrochemistry, and nuclear chemistry. Laboratory work will be an integral part of the class. It is strongly recommended that students take this class in direct succession to Chemistry. Students will be prepared to take the Advanced Placement Chemistry Exam in the spring.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE #4740
Grades: 11, 12 (1 Credit)

Course Description: "Now I truly believe that we in this generation must come to terms with nature, and I think we're challenged, as mankind has never been challenged before, to prove our maturity and our mastery, not of nature but of ourselves." -----**Rachel Carson, Silent Spring**

As this course progresses, students will view the world differently, become informed decision-makers, and grow to be stewards of the environment. The study of environmental science, in relation to the earth, is a combination of the physical, chemical, earth, and biological sciences. A variety of topics covered include but are not limited to: ecosystems, biodiversity, population, resources, energy, pollution, urban planning, and sustainability. The study of economics and environmental law play an integral role in understanding the dynamics of the human impact on the earth. Field trips, laboratory exercises, group and project work, and individual assignments will enhance the content material. Students will be prepared to take the Advanced Placement Environmental Science exam in the spring.

SOCIAL STUDIES

AMERICAN CIVICS AND GEOGRAPHY #2442 Grade: 9 (1 Credit)

Text: American Civics, World Geography Today

Course Description: American Civics investigates the nature of political institutions and the relationship between citizens and their government at the local, state, and national levels. This course will broaden students' understanding of government by examining participatory citizenship, personal responsibility and the law, and public policy making in the context of historical forces that have shaped our government as well as current national leaders and their policies. Students will also examine the Constitution's affect on our political and cultural climate, both past and present. Students will experience the diversity of our world through the study of Geography and discover the challenges of our modern world through the examination of various cultures, climates, environments, governments, landforms, regions, and resources of the world.

WORLD HISTORY #2502 Grade: 10 (1 Credit)

Prerequisites: Successful completion of American Civics and Geography.

Text: Ellis, Esler. *World History: Connection to Today*, Vol. 2, Prentice Hall 1999

Course Description: Is the nature of mankind good or evil? Why do we have wars? Do the good guys always win? We can theorize about this or listen to pundits on television. This course focuses on the modern era, which begins with the French Revolution in 1789. Students will be introduced to such topics as the Enlightenment, the French Revolution, the Industrial Revolution, European Nationalism and Imperialism, World War I and the Russian Revolution, the Great Depression, World War II and the Cold War.

ADVANCED PLACEMENT WORLD HISTORY #2503 Grades: 10, 11 (elective), 12 (elective) (1Credit)

Prerequisites: 90% in American Civics and Geography and teacher recommendation, or successful completion of any history course at Academy.

Text: Ellis, Esler. *World History: Connection to Today*, Vol. 1 and 2

Course Description: Rome wasn't built in a day, but do you think you have what it takes to learn it in one? This is a college level course and will require extensive reading by the student. We begin with the study of ancient Egypt and continue past the fall of the Berlin Wall into the Global War on Terror. Or is that the War on Global Terrorists?

The focus of this course is the intensification of international contacts and it is truly global in scope. It thus embraces ancient empires and city states in Europe, Asia, Africa, and

Mesoamerica; the expansion of Islam; the Dark Ages and the Crusades; empires in China and India; Mongol dominance; the Renaissance, Reformation, and Scientific Revolution; European exploration, Spanish conquest of the Americas, and the Atlantic Slave Trade; Absolutism, the Enlightenment, and the American and French Revolutions; the spread of nationalism and industrialization; European dominance and global colonization; both World Wars, the Cold War and world-wide independence movements; and finally the new international system being created in the 21st Century. As a survey course it will focus on themes throughout history that serve as unifying threads, helping students to put what is particular about each period or society into a larger framework, and providing ways to make comparisons over time. These themes include the impact of interaction in and among societies; the relationship of change and continuity across the world; the impact of technology and demography on people and the environment; the importance of social and gender structures; the triumph and failures of cultural and intellectual developments; and changes in the functions and structures of political systems at home and abroad.

MODERN AMERICAN HISTORY #2602 Grade: 11 (1 Credit)

Text: *America: Pathways to the Present, Modern American History*, Clayton, Perry, Reed, and Winkler, Prentice Hall, 2000.

Course Materials: 3-ring binder, computer disk, notecards, and writing utensils.

Course Description: American history is not only the story of famous heroes and heroines but also that of ordinary people. Remarkable leaders like Washington, Jefferson, Lincoln, Theodore and Franklin Roosevelt, and Ronald Reagan have guided the country in times of crises, while other men and women have been outstanding in business, science and education. But America's greatness also rests on the hard work and dedicated effort of countless "real" Americans, whose names we will never know. Throughout history, Americans have looked for new frontiers, pushing ever westward to build new towns and adding new states. Now Americans are looking forward to the frontiers of space. History is not only about yesterday's events but also about today's headlines and tomorrow's news. Ordinary people from many different backgrounds are the people who really write history. This is why we study history- because we are part of it! As we study American History we will use the themes of government, geography, diversity, economics, culture, foreign relations, and science and technology to understand history. Our study of American History will begin with the 1890s when America becomes a world power and will continue to today.

Our study of American History will begin in 1898 with the Spanish American War; the war that propelled American on to the world scene and began its ascent to the superpower it is today. This course will enhance Collegiate Academy students' knowledge and understanding of American History, increasing their ability to decipher facts, dates, and events in order to bring history to life. Students will have a unique understanding of American society and how it has survived and prospered. This course will also tie together what the student learned last year in World History and what the student will learn next year in Economics and Government and Advanced Placement American Government and Politics.

ADVANCED PLACEMENT U.S. HISTORY #2603
Grades: 11, 12 (1 Credit)

Text: The American Pageant, Advanced Placement Edition. Kennedy, Cohen, and Bailey. 13th ed. 2006

Course Description: This course offers an intense and timely approach to the social, economic, and political aspects of American History. We will examine the complex historical forces shaping peoples lives at various moments in our past through lectures, discussions, outside readings, research, and presentation projects. Topics include but are not limited to the beginnings of democracy, depression, war, westward settlement, civil and political rights, technological changes, and other issues that affect or have affected the plurality of our population. Students will be given the opportunity to understand and appreciate several important eras in American History including the struggle over the Constitution, the Civil War and Reconstruction, the Great Depression, World Wars I and II, the Cold War, and the many presidencies which shaped our great nation. Students completing the course will be prepared for the optional Advanced Placement exam at the end of the school year.

AMERICAN GOVERNMENT #2720
Grade: 12 (1 Credit)

Prerequisites: Successful completion of Modern American History or Advanced Placement American History.

Text: American Government, Holt, Rinehart and Winston, 1999.

Course Materials: Binder to keep notes and assignments.

Course Description: This course analyzes the role government plays in society and helps seniors to prepare for participation in the electoral process. The course consists of a broad overview of the basic principles on which our country was founded; how those principles are reflected in the Constitution and the Bill of Rights; and the role of the legislative, executive, and judicial branches of government and our rights and responsibilities as citizens. Students will also study about political parties, public opinion, interest groups, and the electoral process at the federal level. Lastly, students will learn about the realities of politics and why politicians and political parties act as they do.

AP US GOVERNMENT AND POLITICS #2724
Grades: 11, 12 (1 Credit)

Prerequisites: 90% in Civics, World History and American History, or successful completion of AP World History or AP United States History.

Text: American Government: Institutions and Policies, 7th Edition, by James Q. Wilson and John J. DiIulio, Jr.

Course Description: Designed as a college level survey/ seminar elective in the study of American government. This course is very demanding, and recommended for students interested in careers in law and/or government. Its purpose is to discuss and demonstrate the American system of government. The AP American Government course provides an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Specifically, students will review the Constitutional underpinnings of United States government; political beliefs and behaviors; political parties, interest groups, and mass media; institutions of national government, including Congress, the Presidency, the executive bureaucracy, and the federal courts; public policy; and civil rights and civil liberties. The student will learn to evaluate the role of the national government in its relationship with the American people. This course is intended to prepare a student to successfully complete the Advanced Placement American Government and Politics Test that is offered in May of the school year.

ADVANCED PLACEMENT MACROECONOMICS #2922
Grades: 11,12 (1 Credit)

Text: Macroeconomics. 15th edition. McConnell, Brue, 2002

Course Description: Why does our money have value? Is it really a good idea for our government to strive for a balanced budget? Why should we care about the economics of other countries? What makes up our GDP? AP Macroeconomics is a course that looks at the United States' economy as a whole as well as how the world's different economies affect each other. We know our resources, including money, are scarce. So how do we most effectively allocate them? AP Macroeconomics analyzes all parts of the economy and how they work together; it will help you understand the world with far greater depth. Macroeconomics is a mathematical and technical look at the economy and the course will require a time commitment outside of the classroom dedicated to reading, research, and problem solving.

ADVANCED PLACEMENT EUROPEAN HISTORY #2713
Grades: 11, 12 **(1 Credit)**

Prerequisites:

Text: *A History of Western Society*, Sixth Edition, McKay, John P.; Hill, Bennett D.; Buckler, John; 1999.

Course Description: What big problems do we face in this world and how can we help? How do we distinguish between fact and opinion in learning about these issues? These and many other questions will be explored in Advanced Placement European History. Students will acquire and hone skills of vital importance to succeed in college and in life, and will also learn about important pieces of the past. Every person should be equal. Every society is deserving of respect. Furthermore, we should be familiar with the broad outline of all human development and understand the basic beliefs of all large cultures. But Europe has a special place in the creation of the modern, technological society in which we live. Our language and our laws derive directly from the European experience. Philosophy, art, literature, economic theory, etc. are all part of this inheritance. The modern research university, and modern mathematics and science come from Europe. If you wish to understand the good and the bad of American society you must first learn about Europe.

ADVANCED PLACEMENT PSYCHOLOGY #2934
Grades: 11 (elective), 12 **(1 Credit)**

Prerequisites: American Civics and Government, World History and American History

Text: Psychology: The Adaptive Mind

Course Description: The AP Psychology course is a challenging and fascinating journey into the study of the mind and matters related to it. Throughout history people have sought to describe, explain and predict human thoughts, feelings and actions. This course exposes students to classic and contemporary views of the human struggle to adapt to the physical, psychological and social worlds we inhabit. Have you ever wondered:

- What is a *déjà vu*?
- Why do some people have irrational fears of spiders or high places, while others are attracted to them?
- Is it our genes or our experiences that shape our personalities?
- What are dreams and what is their significance?
- How is the mind different from the brain?
- Do all animals have a conscious mind?

To investigate these and other questions, this course will delve into the realms of human development, sensation and perception, consciousness, memory, intelligence, personality and abnormal behavior. The student should gain valuable knowledge and insight regarding mind-body interaction as well as interaction of the individual and society.

The purpose of the Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the facts, principles and phenomena associated with each of the major sub fields within

psychology. They also learn about the methods psychologists use in their science and practice. The aim is to provide the student with a learning experience equivalent to that obtained in most college introductory Psychology courses. The Advanced Placement course in Psychology gives the student the chance to try college-level work in high school. A "qualifying" grade on the AP exam is accepted by thousands of colleges worldwide.

APPLIED ECONOMICS #2918
Grade: 12 (Social Studies Elective) **(.5 Credit)**

Course Description: Applied economics is designed to introduce students to how economics applies to the real world. This is an application course. Some theory will be explained to set up activities and projects that link student behavior and choices to the economy and society. The course will explore topics that deal directly with student lives today and connections to their future. Students will be introduced to finance and investing, tax structures, the free enterprise system, business structures, marketing and advertising, labor unions, success principles, entrepreneurial ability, credit and interest rates. These are concepts that all students need to have knowledge of and experience in. This course will consist heavily of group projects, cooperative learning, outside research, public speaking and teacher directed in-class activities.

INTERNATIONAL RELATIONS #2723
Grades: 11 (elective), 12 (elective) **(.5 Credit)**

Prerequisites: 90% in World History or successful completion of any social studies advanced placement course.

Text: *The New World of International Relations; The Economist*

Course Description: In more ways than we realize, our lives have become internationalized. Information media have played a significant role in narrowing the information gap between nations. We can share opinions with citizens around the world via the web. Turning on a television, we can witness a war, a riot, an earthquake, a military coup, a rebellion, a protest, or an election in a distant part of the world. Non-state actors, such as international corporations, are becoming increasingly important and much of what we buy is resourced, produced or assembled overseas. Yet, the fundamental problem of international relations continues to be the perennial question of conflict and violence within and between states. The world is coming together, and flying apart, faster than ever before. These changes create dangers and opportunities for all of us, but it isn't always easy to tell the two apart. To deal with this dilemma, the course will provide students with the necessary historical background, theoretical concepts, and analytical tools to make sense of a complex and constantly changing world. This course is fast paced, taught at the college level, and will require extensive reading and participation by the student

WELLNESS/FITNESS I
Grade: 9

#9921
(.5 Credit)

Text: Fitness For Life

Course Materials: Folder with pockets, composition book, appropriate clothes for movement, Blackboard

Course Description: Begin the journey to vibrant health with this interactive wellness and physical education course. Can you locate your carotid and radial pulse? How intense should you exercise? Determine your level of physical fitness through a series of fitness assessments. Discover self esteem, proactive choices, and organizational techniques by Covey. In addition, students will participate in a curriculum rich in cooperative activities to foster strong friendships. Upon successful completion, they will receive the American Red Cross certification in CPR and First Aid.

“To do good things in the world, first you must know who you are and what brings meaning to your life.”
-Paula P. Brownlee

WELLNESS/FITNESS II
Grades: 10, 11, 12

#9922
(.5 Credit)

Prerequisites: Wellness/Fitness One

This course is mandatory for all sophomores

Text: No Matter What the Consequences

Course Materials: Folder with pockets, composition book, appropriate clothes for movement, Blackboard

Course Description: Continue the journey into vibrant health with exploring the consequences of additive behavior. Any behavior that interferes with life can be devastating to self, family, schoolmates, and the school itself. While alcohol and drug use is of great concern, an entire gamut of other behaviors can affect our lives – food addictions like anorexia, bulimia; nicotine, gambling, and even computer and shopping addictions will be examined. Students will also participate in a variety of lifetime fitness activities including badminton, volleyball, shuffleboard, Frisbee, and strength training.

“May you live all the days of your life.”
-Jonathan Swift

ATHLETIC TRAINING
Grade: 11, 12

#9956
(.5 Credit)

Prerequisites: Wellness/Fitness One and Two
Anatomy and Physiology (or currently taking)

Course Materials: Folder with pockets, composition book, appropriate clothes for movement, Blackboard

Text: Netter Anatomy flashcards, handouts, Blackboard, professional web sites

Course Description: Experience the career discipline of Sports Medicine as this class journeys into an interactive athletic training course. Sports Medicine programs encompass the health related professions which prevent and manage injuries related to individuals and organized sports. Students will study the dynamic human body from a myriad of perspectives: anatomy, kinesiology, injuries, rehabilitation, and exercise conditioning. The expertise of local professionals from the community will be utilized as guest speakers and shadowing opportunities. Athletic Training provides a strong foundation for career choices in Sports Medicine.

“My interest is in the future, because I am going to spend the rest of my life there.”
-Charles F. Kettering

PROJECT B-FIT
Grades: 11, 12

#9930
(.5 Credit)

Prerequisites: Wellness/Fitness One and Two

Course Materials: Folder with pockets, composition book, appropriate clothes for movement, Blackboard

Text: Don't Sweat The Small Stuff for Teens

Course Description: Explore your personal fitness and become a peer mentor for elementary students as you journey into the diversified class of Project B-Fit. Students will participate in a variety of aerobic activities such as brisk walking, step class, low impact aerobics, and paddleball. They will also be trained to be a B-Fit Leader. Through the use of song, dance, exercise, and storytelling, this class will impress upon elementary students the importance of making positive healthy lifestyle choices.

“Be the change that you want to see in the world.”
-Mahatma Gandhi

COMPETITIVE WELLNESS

#9920

Grades: 10, 11, 12**(.5 Credit)****Prerequisites:** Wellness/Fitness One and Two

Course Description: Social interaction within a team setting is a vital aspect of Vibrant Health. Students will develop these skills as they journey into the challenging course of competitive wellness. They must be willing to participate in a highly competitive environment and demonstrate responsible behavior. They will participate in the following team sport units: Basketball, Volleyball, Flag-Football, Soccer and Softball. Each unit will conclude with playoffs and a championship game. In addition, students will be exposed to the psychological, sociological and moral aspects of sport in our culture.

“Whenever you get knocked down in the game of life, immediately get up, get better and get going again”
-Greg Hickman

STRENGTH TRAINING

#9926

Grade: 11, 12**(.5 Credit)****Prerequisites:** Wellness/Fitness One and Two

Course Materials: Folder with pockets, composition book, appropriate clothes for movement, Blackboard

Text: Nancy Clarks Sports Nutrition Guidebook

Course Description: Journey into the dynamic field of strength training as students specialize in periodization programs utilizing Nautilus and free weight equipment. What are the differences between Nautilus and free weights? What are appropriate exercises for each muscle group to reach strength goals? What is body composition and how can exercise and nutrition improve it? Using this information students will develop their own personal lifetime fitness plan that will consist of strength training, cardiovascular conditioning, and body composition assessment.

“Success is not final, failure is not fatal: it is the courage to continue that counts.”
-Winston Churchill

SPORTS NUTRITION FOR ENHANCED PERFORMANCE

#9900

Grades: 10, 11, 12**(.5 Credit)****Prerequisites:** Wellness/Fitness One and Two**Text:** Nancy Clarks Sports Nutrition Guidebook

Course Materials: Folder with pockets, composition book, appropriate clothes for movement, Blackboard

Course Description: Journey into the nutritional domain to understand individual energy needs. This course brings the physiological effects of nutrition and physical activity in a powerful blend of theory and practice into the classroom. Students will utilize state-of-the-art technology in the analysis of nutrition and physical activity. Content includes fueling the

muscles, quick energy snacks, fluids, pre-exercise meals, recovery foods, supplementation, and eating disorders.

“The future belongs to those who believe in the beauty of their dreams.”

-Eleanor Roosevelt

JAZZ DANCE

#9932

Grades: All grade levels**(.5 Credit)**

Prerequisite: Students must have previously taken Wellness I, or currently be scheduled in Wellness I in order to be eligible for this course.

Course Materials: Appropriate dance attire with jazz shoes or dance sneakers.

Course Description: Participation in this class is by audition only, or by written permission from the instructor. The course is taught in two sections, Beginning and Intermediate/Advanced. Class is structured just as a professional dance class with a warm-up, across the floor progressions and center combinations. Students will learn and develop complex rhythmic skills and weight shifts characteristic of Jazz dance such as: syncopation, accent, dynamic variation and vocalization. We also view dances on video to further enhance our process and to further expose students to dance on a more global perspective. Students may also participate in professional festivals, community and school performances. Scheduling preferences will be given to upperclassmen when necessary.

MODERN DANCE

#9933

Grades: All grade levels**(.5 Credit)**

Prerequisites: Students must have previously taken Wellness I, or currently be scheduled in Wellness I in order to be eligible for this course.

Course Materials: Appropriate dance attire with bare feet and/or socks.

Course Descriptions: Participation in this class is by audition only, or by written permission from the instructor. This course consists of learning and performing Intermediate to Advanced levels of the Graham and Horton Modern dance techniques. Class is structured just as a professional contemporary dance class with a warm-up, across the floor progressions, center combinations, improvisation and choreography. Students will learn and develop movement skills and weight shifts characteristic of the Graham and Horton technique such as: fall-recovery, contract-release, fortifications, “flat back” and coccyx balance. We also view dances on video to further expose students to Modern dance from a global perspective, and we receive Master Classes taught by local and regional dance professionals in our community. Scheduling preferences will be given to upperclassmen when necessary.

WORLD LANGUAGE COURSES

Most children are experts in their own language by the time they go to Kindergarten.¹ The World Language Department at Collegiate Academy believes that it takes at least three years for a student acquiring a *second* language to achieve basic proficiency. Therefore, we require a minimum three-year commitment for the study of a World Language and offer the ability to take a fourth year. When students sign up for a language in their freshmen year, they are also choosing to explore the culture and mindset tied to that language. All World Language programs guide the student from novice toward an intermediate level. Students leave the program able to navigate outside the classroom in the language and culture of their choice. Students are also able to study *two* World Languages simultaneously, beginning in their sophomore year – and many do! Welcome to the Global Village!

Advanced Placement World Language

Students who want to continue their study of languages beyond the third year have the option of taking Advanced Placement classes in all three languages. These courses focus on preparing students for success on the AP test by training them to read, write, comprehend and speak their target language with intermediate proficiency. Specifically, students work to develop the ability to understand the spoken target language in various contexts; they develop the vocabulary sufficient for reading newspaper and magazine articles, literary texts, and other non-technical writing without dependence on a dictionary. Finally, students develop the ability to competently speak and comprehend the target language. Advanced Placement language study is not for the weak of heart; it is an extremely demanding course of study, but equally rewarding. Students acquire skills that they will use throughout their lives in our global society. Keep in mind that some universities offer up to 12 credits for a high passing score on the AP exam!

French Language

Why study French? This is the second most studied language in the world after English. It is an international language with many Francophone countries in Europe and Africa especially; in fact, there are over 200 million people in 43 countries who speak French. Since French is an official language of many international and intergovernmental organizations, students interested in government and international relations will find French especially helpful. But there are sound reasons for knowing French in the fields of science, medicine and business as well. The headquarters of the Human Genome Project is in Paris; the first nuclear-fusion plant being built anywhere and the headquarters of the European Space project are also in France. France and other French speaking countries are prime business partners; countries with whom we enjoy robust and fairly equal trade. Dannon, Michelin, BIC, Mack Trucks are a few of the several thousand French companies with subsidiaries in the US. If your interests are in the arts, French is also a good choice for you. It is a world language in the fields of culinary arts, fashion design, art, theater music and dance. Americans and the French have long enjoyed a rich appreciation of each other's cultures—from the influence of French Enlightenment thinkers on our founding fathers to the

adoption of Jazz and Blues by the French. Writers, too, have enjoyed a cross-Atlantic exchange. *Les Miserables*, *Hunchback of Notre Dame*, *Three Musketeers*, *The Stranger*, and *The Little Prince* are as well known in our country as the works of Poe and Twain and Steinbeck are in France.

As with any language acquisition, studying French will help students master their own language. Learning the structure of a new language will make you more aware of the structure of English. Because of our shared linguistic history, the study of French is especially useful in expanding and enriching English vocabulary. Learning French is also a useful base that will facilitate the later study of other romantic languages. At Collegiate Academy, our outlook is global. We want our students prepared to contribute in any number of fields, but it is our belief that students will not be adequately prepared unless they are more aware of cultural differences. We will be delighted to help our students take their place in the global community with an ability to speak a very marketable second language—French!

German Language

If a student wants to learn a language that is spoken almost everywhere, study a people who are true leaders in the 21st century, and become familiar with a rich culture that is very closely tied to our own, then they should consider the study of German. German is the most common mother tongue in Europe and is the third most popular World Language taught worldwide.¹ A quarter of all Europeans speak German as their mother tongue, 38% of Europeans can converse in the language, and 68% of all Japanese students learn German, too! That makes sense, since Germany is the largest economy in the European Union and the third largest in the world! For those interested in business, remember that in 2006 Germany was the world's largest exporter, selling about \$1.16 trillion worth of goods and services.¹ The European Central Bank is headquartered in Frankfurt, more than 1100 companies from German-speaking countries have subsidiaries in the United States and more than 750 US companies are at work in Germany!! Studying German expands career options! German is used in the fields of science, engineering, the arts, math, software production, publishing, and travel! According to the Goethe Institut, approximately 40% of American scientists recommend the study of German. Germans continue to leave their mark in all areas of invention, technology, research and development. The Internet extension .de is the second most common after .com, which means that Germans are the world's second largest presence on the Web. We can thank German inventors for the printing press, the automobile, the Fahrenheit thermometer, the X-ray, and even the MP3 digital music format. German is also surprisingly easy to learn. English is a Western Germanic language and the two languages have numerous similarities. Can you understand the following sentences?

Mein Bruder ist Karl. Er ist in Kindergarten. Meine Mutter heißt Sara.

German Americans make up the single largest heritage group in the United States, according to the US Census Bureau's

2000 Census. The traditions which German immigrants brought with them have become an integral part of our American heritage, including the names of many cities and towns. Studying German culture helps our understanding of American culture, too!

Spanish Language

With more than 400 million speakers worldwide, Spanish is the fourth most spoken language in our world. It is an official language of the United Nations, the European Union, NAFTA and OPEC. Being able to communicate in the Spanish language and culture gives one a competitive edge anywhere in the Western Hemisphere as well as in Europe.

Not only is Spanish spoken in four of the seven continents, but one can also hear the language and experience the culture right here in Erie, Pennsylvania. With more than thirty million Spanish speakers in the USA, it is the first language of one out of ten people in our country. It is crucial for our students to study this language to reach global and local opportunities that are right here, right now.

(1 Credit)

SPANISH LANGUAGE I
Grades: 9, 10

#1975
(1 Credit)

SPANISH LANGUAGE II
Grades: 9, 10, 11, 12

#1976
(1Credit)

SPANISH LANGUAGE III
Grades: 10, 11, 12

#1977
(1 Credit)

SPANISH LANGUAGE IV
Grades: 10, 11, 12

#1978
(1 Credit)

ADVANCED PLACEMENT SPANISH LANGUAGE
Grades: 11, 12

#1979
(1 Credit)

WORLD LANGUAGE COURSES:

FRENCH LANGUAGE I #1950
Grades: 9, 10 (1 Credit)

FRENCH LANGUAGE II #1951
Grades: 9, 10, 11, 12 (1 Credit)

FRENCH LANGUAGE III #1984
Grades: 9, 10, 11, 12 (1 Credit)

FRENCH IV/ADVANCED PLACEMENT FRENCH LANGUAGE #1985
Grades: 10, 11, 12 (1 Credit)

GERMAN LANGUAGE I #1955
Grades: 9, 10 (1 Credit)

GERMAN LANGUAGE II #1956
Grades: 9, 10, 11, 12 (1 Credit)

GERMAN LANGUAGE III #1957
Grades: 10, 11, 12 (1 Credit)

ADVANCED PLACEMENT GERMAN LANGUAGE #1959
Grades: 10, 11, 12

**JUNIOR RESERVE OFFICER
TRAINING CORPS (JROTC)
EAST OR STRONG VINCENT HIGH SCHOOL
(Must arrange your own transportation)**

**LEVEL I JROTC #9962
Grades: 9, 10, 11, 12 (1 Credit)**

Prerequisites: All cadets must maintain satisfactory grade or above to continue in JROTC.

Purpose: To provide an opportunity for leadership, education and training.

Course Description: First year cadets learn self-discipline, grooming, proper appearance, map reading, marksmanship, first aid, communication, drill and ceremonies, inspections and leadership. Tremendous emphasis is placed on conduct and attitude.

Requirements: Haircuts are required. Proper courtesy will be displayed.

**LEVEL II JROTC #9963
Grades: 9, 10, 11, 12 (1 Credit)**

Prerequisites: All cadets must maintain satisfactory grade or above to continue in JROTC.

Purpose: To provide an opportunity for leadership, education and training.

Course Description: Second year cadets expand their knowledge of first year subjects and assume leadership positions along with recruiting and staff briefings. Emphasis is placed on communication, both oral and written. Cadets are introduced to problem solving techniques and counseling.

Requirements: Haircuts are required. Proper courtesy will be displayed.

**LEVEL III JROTC #9964
Grades: 11, 12 (1 Credit)**

Prerequisites: All cadets must maintain satisfactory grade or above to continue in JROTC and must have completed Level II of JROTC.

Purpose: To provide an opportunity for leadership, education and training.

Course Description: Third year cadets must maintain a satisfactory or above to continue in JROTC and must have completed Level II of JROTC.

Requirements: Haircuts are required. Proper courtesy will be displayed.

**LEVEL IV JROTC #9965
Grades: 11, 12 (1 Credit)**

Prerequisites: All cadets must maintain satisfactory grade or above to continue in JROTC and must have completed Level III of JROTC.

Purpose: To provide an opportunity for leadership, education and training.

Course Description: The fourth year is a self-study year with emphasis on leadership and communication along with preparations for those college bound students. The fourth year cadets are assistant instructors in all areas of training.

Requirements: Haircuts are required. Proper courtesy will be displayed.