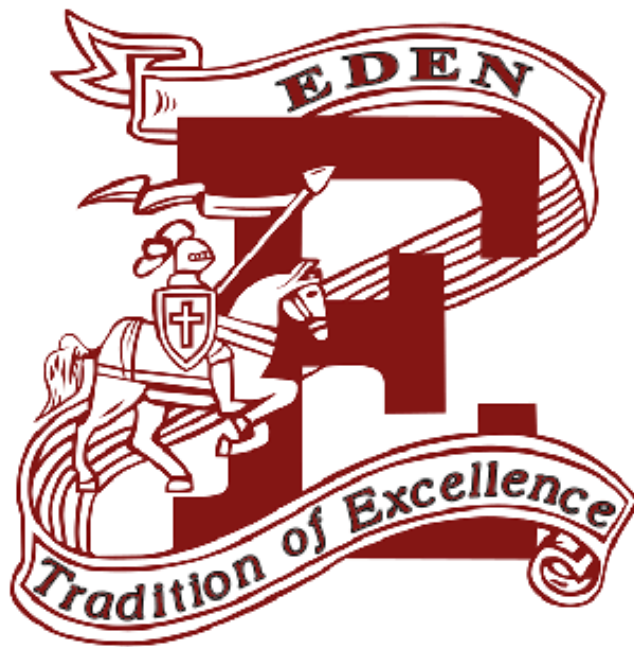


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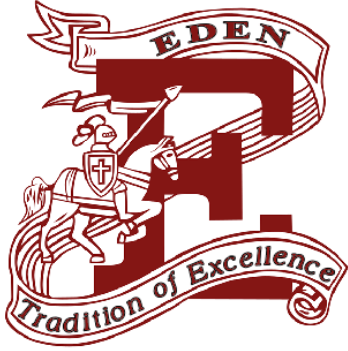
Eden Senior High School 2011 - 2012



Curriculum Guide for Students & Parents

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EDEN CENTRAL SCHOOLS

EDEN JUNIOR/SENIOR HIGH SCHOOL
3150 SCHOOLVIEW ROAD, EDEN, NEW YORK 14057
(716) 992-3600
FAX (716) 992-3652

Marc P. Graff
Principal

Patricia A. Menkiena
Assistant Principal

Dear Students and Parents,

As you know, New York State has adopted new Learning and Performance Standards that have increased the demands placed on students. Graduation requirements have increased the expectations and the workload necessary to earn a New York State High School Diploma. It is important that you carefully review the program for the 2011-2012 school year to be sure that you meet the new requirements.

Parents, we appreciate that your hard-earned tax dollars fund these required courses as well as the electives offered at Eden Jr. Sr. High School. Students, we encourage you to take advantage of these offerings by choosing the most challenging courses possible to better prepare you for post secondary education (when you pay for coursework) as well as to develop skills required in the workplace and in our competitive global economy. We will be implementing new minimum credit requirements for all students in grades 9 through 12: Seniors will be expected to take a minimum of 6.5 academic credits during their senior year IF they do not participate in a verifiable internship experience or provide a documented letter from their employer stating the hours they are working. This policy is in the best interest of your children and our students and we ask your help in its implementation.

Use this curriculum guide to help you understand the course offerings at Eden Senior High School. During the months of March and April, students will discuss and finalize their course requests for the 2011-2012 school year. It is critical that you review the information in this Curriculum Guide before choosing your courses. We will try to honor each student's individual course requests; however, initial selection of courses may be altered due to enrollments or staff availability. It is our hope that this guide will provide the answers to most of your curriculum questions.

Please contact the guidance office at 992-3601/992-3608 for any additional information or clarification.

Sincerely,

Marc P. Graff
Principal
mgraff@edencsd.wnyric.org

Patricia A. Menkiena
Assistant Principal
pmenkiena@edencsd.wnyric.org

David A. Hassett
Director of Guidance
dhassett@edencsd.wnyric.org

Personal Record of Courses and Credits

Print out this page in order to use it as a working guide as you plan ahead for your four-year program of High School coursework. Pay attention to units of credit for each course and include your choices of electives. Add courses taken in summer school at the bottom of the appropriate grade level.

	Units of Credit			Units of Credit
Ninth Grade			Tenth Grade	
English _____	1	_____	English _____	1
Math _____	1	_____	Math _____	1
Science _____	1	_____	Global Studies 1 _____	1
LOTE _____	1	_____	Global Studies 2 _____	1
BABCA _____	1	_____	Science _____	1
Music/Art _____	1	_____	LOTE _____	1
_____			_____	
_____			_____	
_____			_____	
Health Education _____	1/2	_____	_____	
Phys. Education _____	1/2	_____	Phys. Education _____	1/2
Earned Credits		_____	Earned Credits	

	Units of Credit			Units of Credit
Eleventh Grade			Twelfth Grade	
English _____	1	_____	Essentials of Writing _____	1/2
U.S. History _____	1	_____	Sr. Literature OR VOC _____	1/2
Math _____	1	_____	Economics _____	1/2
Science _____	1	_____	Participation in Government _____	1/2
_____			_____	
_____			_____	
_____			_____	
_____			_____	
Phys. Education _____	1/2	_____	Phys. Education _____	1/2
Earned Credits		_____	Earned Credits	

- ◆ State Law requires Physical Education during each year of attendance. * Eden requires 1 credit in computer coursework
- ◆ State Law requires Health Education. * Eden requires 24 credits for graduation
- ◆ State Law requires 1 Unit of Credit in Art/Music.

School Counseling Staff

Jr. Sr. High School Guidance Office Assignments for 2010-2011

Mr. E. Scott Minton (eminton@edencsd.wnyric.org): All Students in Grades 7, 8 & 9.

Mrs. Amy J. Banks (abanks@edencsd.wnyric.org): All students in Grades 10, 11 & 12 with surnames A – K.

Mr. David A. Hassett (dhassett@edencsd.wnyric.org): All students in Grades 10, 11 & 12 with surnames L – Z.

Mrs. Jennifer Carriero (jcarriero@edencsd.wnyric.org): School psychologist.

Mrs. Helen Knab (hknab@edencsd.wnyric.org): Part-time school social worker, available at the Jr. Sr. High School 1 day each week (call or e-mail for an appointment).

Mrs. Judy Ludwig (jludwig@edencsd.wnyric.org): Guidance secretary.

Mrs. Mary Herr (mherr@edencsd.wnyric.org): Guidance secretary.

The members of the Eden Jr. Sr. High School Counseling Office provide career, college and guidance services for all students in Grades 7 through 12. We are located between the Main Office and the Nurses Office. The following concerns are examples of some of the topics that students and families address confidentially with our counselors, school psychologist and part-time social worker in our Office: Scheduling courses for the following year, job loss, applying to colleges, overcoming academic difficulty, grief support and counseling, special education testing & accommodations, dealing with domestic violence, beginning the college search, paying for college, financial need, scholarships & grants, improving study skills, family counseling referrals, handling the impact of a drug or alcohol problem in the family, conflict mediation, NCAA eligibility, etc. etc. etc! Please contact our office at 716-992-3601 if you have any questions about available services or to arrange for a meeting with any of our friendly support staff.

General Information

- **School procedure requires a student to take a minimum of three and one-half academic units per semester each year.**
- Letter designations used to qualify various courses are to be interpreted as follows:
HR - An Honors Regents Class for accelerated students
AP - Advanced Placement
- Student placement in honors courses is based on criteria established by the subject's department.
- The final decision for placing students in an honors group rests with the principal.
- The offering of certain subjects is dependent on student enrollment.
- Title IX of the Education Amendments of 1972 prohibits sex discrimination in schools where federal funds are used. In accordance with the law, it is Eden Central School's position that all course offerings are equally available to girls and boys.

COURSE CHANGES

Parents and students will be notified via the Global Connect calling system when finalized class schedules are viewable online. Remember, once the school year begins, there will be NO schedule changes allowed. Due to scheduling restrictions, we are unable to accommodate requests for specific teachers. We discourage early dismissals for Seniors unless they have a valid reason to leave school early. If there are any problems, issues or concerns with your schedule (i.e. a missing course, a course that you already took and passed, etc.) please contact your counselor as soon as possible to address your concern.

RANK IN CLASS

The rank in class is established by placing students in descending order from highest to lowest according to their grade point average. College credit classes (UB Math, ECC and NUSTEP) and AP courses are weighted at 1.05 for cumulative averages, honor roll and class rank. All Seniors will be ranked in the Fall and Spring.

TRANSFER STUDENTS:

When students transfer to Eden High School, it will be the responsibility of the Guidance Department, with the principal's approval, to evaluate the student's transcript and give comparable credit at Eden. When a student enters with Alpha grades rather than numerical grades, the following conversion table will be used:

A+=100	B+ = 92	C+= 82	D+= 72
A = 96	B = 88	C = 78	D = 68
A- = 93	B- = 83	C- = 73	D- = 65
			F = 60

INDEPENDENT STUDY

Independent Study is for seniors who wish to take a new course and are unable to fit it into their schedule. This option is available only after core courses are scheduled. Students must first discuss the validity and practicality of this request with their counselor. The counselor will then discuss this request with the appropriate subject matter teacher. If an agreement is reached, the student must get the appropriate form from his/her counselor, have it signed by the teacher and parent and then return it to the counselor. The counselor will then submit it to the principal for approval. This process must be completed by October 1st for first semester and March 1st for second semester.

REGENTS EXAMS - INDEPENDENT REVIEW

If a student fails a Regents exam but passes the course, or if a student wishes to improve his/her grade on the Regents exam, the student may make arrangements with the appropriate subject teacher to independently review for the exam. This review can be done during advisement depending on the availability of the teacher. The student may retake the exam in January, if offered, or in June. This arrangement also requires a form to be filled out originating with the counselor and signed by student, teacher, and parent and approved by the principal. In the case of science exams, the laboratory requirements must be met.

CHALLENGING OF REGENTS EXAMINATIONS (as per NYS REGULATIONS)

It is the belief of Eden Central School District that much valuable experience occurs in the classroom setting; however, in unusual or extenuating circumstances challenging of exams may occur.

A student may earn credit for a Regents course of study without enrolling in that course (up to a maximum of 6 1/2 credits) if:

- a. The student has met with his/her guidance counselor by March 1 for a full-year course.
- b. The student's past academic performance record demonstrates that the student will benefit by exercising this alternative. This will be determined by the building principal.
- c. The pupil must pass an oral examination or successfully complete a special project to demonstrate proficiency in the subject area as determined by the principal.
- d. The student must earn a score of at least 85% on a Regents exam or a local exam that has been approved by the State.

COLLEGE LEVEL COURSES AND ARTICULATION AGREEMENTS

NUSTEP is a cooperative program between Niagara University and selected secondary schools that enables qualified high school seniors to enroll in Niagara University courses and earn college credits while remaining at their high school. The program seeks to avoid duplication in secondary and post-secondary programs, to provide qualified students with the opportunity to accelerate their academic pursuits, and to provide enriched instruction in the secondary school. The program serves as a bridge between high school and college. **NUSTEP courses may be taken at no cost to the student for Eden School Credit. In order to be eligible for college credit Niagara University tuition must be paid. See separate NUSTEP brochure for details.**

Effective 2010-2011, college-level courses are also available through Erie Community College, Bryant & Stratton and Hilbert College. Please see course descriptions and your counselor for more details.

I.E.P. DIPLOMA:

This diploma is awarded on completion of the education goals specified in the student's current Individualized Education Program as recommended by the Committee on Special Education.

IMPORTANT INFORMATION FOR STUDENT ATHLETES

Many college athletic programs are regulated by the National Collegiate Athletic Association (NCAA), which has established rules on eligibility, recruiting and financial aid. The NCAA has three membership divisions - Division I, Division II and Division III. Institutions are members of one or another division according to the size and scope of their athletic scholarships.

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. The NCAA member institutions established the Clearinghouse in January 1993. The Clearinghouse ensures consistent application of NCAA initial-eligibility requirements for all prospective student athletes at all member institutions.

Meeting NYS Regents diploma requirements do not automatically make a student eligible for participation in college level athletics. Eligibility requirements are clearly defined and illustrated in a pamphlet called "Guide for the College Bound Student Athlete." More information is available at www.ncaa.org.

Sports eligibility is a complicated area. If you believe your child will be eligible for college sports, please contact your child's counselor as soon as possible to discuss the requirements.

Minimum Graduation Requirements

<u>Subject Area:</u>	<u>Minimum Credits:</u>	<u>Regents Exams Required To Pass:</u>
English Language Arts	4 Credits	English 11 Language Arts Exam
Social Studies	4 Credits	Global 2 Regents Exam
Mathematics	3 Credits	US History & Gov. Exam
Science	3 Credits	Integrated Algebra Regents Exam
LOTE	1 Credit	One Science Regents Exam
Art and/or Music	1 Credit	
Health	½ Credit	
Physical Education	2 Credits	
Computers	1 Credit	
Electives	4 ½ Credits	
TOTAL	24 Credits	

In order to graduate from Eden Jr. Sr. High School with a New York State certified High School diploma, students must meet requirements that are specific for the year they enter High School. The following schedule represents the minimum Regents exam scores needed to qualify for the NYS Local High School diploma, which is being phased out in the year 2011. In accordance with the NYS Board of Regents, the following exceptions are made for Regents exam scores as the NYS Regents Diploma requirements are phased in:

For all High School students in grades 9-12: Effective this year, **all** general education students must pass **each of the five** required Regents exams listed above with a minimum score of 65. **At this point, the local diploma no longer exists for General Education students. Only Regents Diplomas will be granted for General Education students (ask your child's counselor for information about exceptions to these minimum requirements that are extended to students who are qualified to receive Special Education services).**

Students pursuing a Regents diploma must score a minimum of 65% on the five required Regents exams.

Students pursuing an Advanced Regents Diploma must meet Regents diploma requirements above, earn at least 25 credits AND must achieve at least:

- A 3 unit sequence in LOTE (min. score of 65% on Regents exam) **OR** by taking at least 5 units of sequential coursework in one of the following departments: Tech / Home & Career / Music.
- A minimum score of 65% on Regents Algebra, Regents Geometry AND Regents Trigonometry exams (Freshman class of 2010 and beyond, Juniors and Seniors in the 2010 school year may also meet this requirement with a passing Math A score AND a passing Algebra 2 / Trig score – see your counselor for details).
- A minimum score of 65% on an additional physical science Regents exam (one must be Living Environment).

See your counselors for additional information...

Many of our graduates far exceed the minimum requirements for graduation...set the bar high!

NUSTEP ENG 100 Introduction to Literature (Essentials of Writing not required)

Credit: 1 Prerequisite: English 11HR & Teacher Rec.

Students will be encouraged to become lifelong readers through examining the basic structural, stylistic, and thematic elements that govern various genres and modes in literature. In reading, discussing, and then presenting written analysis, in expository and argumentative papers, students will continue to develop their abilities in critical analysis and presentation of self-interpretive and researched conclusions. **Students may receive three semester hours of college credit from Niagara University for successfully completing this course. Refer to NUSTEP under General Information on page 2 of this Curriculum Guide.**

Senior English All seniors (except those enrolled in NUSTEP ENG 100 college-level English course) are required to take both the Essentials of Writing course as well as one of the required Literature courses listed below. Vocational students are required to take Senior Vocational English and are strongly encouraged to take Eden writing and literature classes to help better prepare them for college-level writing and reading skills.

Senior Vocational English Credit: ½ Prerequisite: English 11

This class will be required for all students in Vocational (counselors will provide more details during your scheduling appointment).

Essentials of Writing (Required) Credit: ½ Prerequisite: English 11

Working from a step-by-step approach to fundamentals, good writing examples, and carefully designed exercises, students will review the one and five paragraph persuasive essays introduced at earlier grade levels. The basics of organization, support, unity, and coherence will also be reinforced as students then study types of persuasive writing: comparison and contrast, classification, and cause and effect. As they work with types of persuasion, students will continue to use the elements of thesis statements and blueprints, central paragraphs, introduction and conclusion. The final several weeks of this course will be devoted to the process of writing a term paper: research techniques, library use, note taking, outlining and writing a rough and final copy, as well as correctly creating a bibliography and documenting sources of information. The final copy of this term paper will serve as the final exam for the course. Finally, students will complete short grammar, punctuation, and usage writing during the semester to improve their written expression.

Literature Classes (Required: must select one)

Teens in Modern Literature Credit: ½ Prerequisite: English 11

Isolation, rebellion, conformity, fear, bravery, and joy are just some of the hallmarks of the adolescent experience. Discover how characters make decisions and deal with conflicts. Perhaps your teen experiences are not that much different from other teenagers' experiences. Audio and visual media will supplement the course.

War in Literature Credit: ½ Prerequisite: English 11

Why does humankind go to war? What does it accomplish? This course will explore the men, women, boys, and girls of war and, most importantly, the humanity behind its participants, decision-makers, and victims. Literature both glorifying the triumphs and depicting the realities will be read and discussed. Other media and guest speakers will sometimes supplement class discourse. Various readings are action-packed and compelling. Short writing assignments and interactive projects are included.

Mythology Credit: ½ Prerequisite: English 11

Stories of action, adventure, magic and divine interventions are the subject matter for this literature course. Students will read the myths and legends that have endured throughout history, with special emphasis on Greek and Roman mythology. This course is invaluable to students who plan to further their studies in the arts and literature, and fans of the fantasy genre. Psychology and philosophy will be explored in classes that are

discussion-based, and films, filmstrips and lecture complement the assigned reading. This course culminates with a project.

Book and Film

Credit: ½ **Prerequisite:** English 11

The book was better than the movie. Ever heard someone say this and questioned on what basis such a judgment is being made? Through a marriage of novel reading and film viewing we will be able to critique aspects of a screenplay as they apply to the novel. Students will be required to demonstrate their understanding and interpretation through various forms of written, oral, and other methods of communication as directed by the instructor. Since films will be viewed in class, attendance in class will have an effect upon one's ability to complete assigned tasks. In other words, this class will be difficult to pass if you are not here. (Most of the films that will be studied cannot be found at the local video store since they are not new to the film rental market.) **ATHLETES NOTE: THIS COURSE HAS NOT YET BEEN APPROVED BY THE NCAA AS "CORE COURSE" ELIGIBLE AND THEREFORE SHOULD NOT BE THE ONLY LIT CHOICE FOR A STUDENT WHO PLANS TO PARTICIPATE IN COLLEGE DIVISION I OR DIVISION II SPORTS.**

English Electives:

Public Speaking/Debate

Credit: ½ **Prerequisite:** English 10

This course is designed for the beginning speaker. It is not for the talented few but for all who earnestly wish to be able to speak in front of a group with confidence and poise. The main objectives are to develop communication skills, clear and definite thinking, and to instill the importance of organization and preparation. Students will build self-confidence as they gain the ability to express themselves through conversation, discussion, argument, and oral reading and listening. They will also develop the ability to gather, interpret and organize research material.

Creative Writing

Credit: ½ **Prerequisite:** English 10

The emphasis in this course is on descriptive and narrative writing. The first ten weeks are devoted primarily to improving the students' powers of observation and working with sensory details. This progresses to self-description, characterizations of other people, place descriptions for settings, and a poetry unit. The second ten-week period involves working with exercises in narration, dialogue, stream of consciousness, and other techniques and devices that are utilized in the final assignment, a short story.

Social Studies Courses

Global Studies 1 & Global Studies 2

Credit: 1 ea. **Prerequisite:** Must pass Global 1 to take Global 2

These courses provide students with the opportunity to study other nations and their cultures within a framework designed to develop a global perspective. This approach aims to develop in students the knowledge, skills, and attitudes needed to function effectively in a world characterized by ethnic diversity, cultural pluralism, and increasing interdependence of nations. The two-semester course is divided into nine topical units: Introduction to Global History, Ancient World: Civilizations & Religion, Zones of Exchange, Global Interaction (1200-1650), First Global Age (1450-1770), Age of Revolution (1750-1914), Half century of Crisis & Achievement (1900-1945), World since 1945, and Global Connections & Interactions. Throughout the course six continuing themes will be developed: the physical/historical setting, the dynamics of change, contemporary nations and culture, economics development, basic geography, and the regions within the global context. At the conclusion of Global 2, students must pass the Regents examination in Global Studies. Upon successful completion of Global 1 a student will receive one unit of school credit. Upon successful completion of Global 2 (including passing the Regents exam) a student will receive one unit of Regents credit.

United States History & Gov't. Credit: 1 Prerequisite: Global Studies 2

A required course in the history of the United States. It includes a chronological survey of United States history in general, but the emphasis will be on the United States as a developing nation and also the development and appreciation of the United States as a multi-cultural society. Constitutional and legal issues will be explored in depth, as will be the problems of a dynamic and industrial society in an increasingly complex and technology-oriented world. Students are required to pass the Regents exam in United States History & Government.

United States History AP Credits: 2 Prerequisite: Global 2, Ave. 85% & Teacher Rec.

The Advanced Placement course in United States History is designed to provide qualified students with the analytical skills and factual knowledge necessary to deal critically with the problems and events in American history. The course is designed to prepare students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year college introductory courses. Students will be required to take the Advanced Placement Examination that is given the second week in May as well as the Regents exam in June. **The fee for the AP exam was \$87 in 2010-2011 (see your counselor for a fee waiver if you are eligible for free or reduced lunch!)**

World History AP Credits: 2 Prerequisite: Teacher Rec., English 9 HRS

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different societies. The course is taught as a college-level class would be and highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies.

In simpler terms, the course presents a broad survey of the history of the world between 8000 B.C.E. to the present in order to understand whence we've come and to better predict where we are going. Students will be required to take the Advanced Placement Examination that is given the second week in May as well as the Regents exam in June. **The fee for the AP exam was \$87 in 2010-2011 (see your counselor for a fee waiver if you are eligible for free or reduced lunch!)**

US Gov't. & Politics AP Credit: 1 Prerequisite: Teacher Rec. & 85% min. avg. in US History

The Advanced Placement course in U.S. Government & Politics is designed to provide an analytical perspective on government and politics in the U.S. The course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires a familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. political reality. It is intended for qualified students who wish to complete studies in secondary school equivalent to a one-semester college introductory course in U.S. Government and Politics. Students will be required to take the AP Exam that is given in May. United States History and Government 11th grade is a prerequisite for this course. **This course is designed for Seniors and satisfies the NY State Participation in Government course requirement for graduation. The fee for the AP exam was \$87 in 2010-2011 (see your counselor for a fee waiver if you are eligible for free or reduced lunch!)**

Economics Credit: ½ Prerequisite: U.S. History

This is a required course for all seniors that introduce the basic principles of macro and microeconomics. Topics include the market system of supply and demand, money and banking, the business cycle, foreign trade, and the comparison of economic systems.

Participation in Government Credit: ½ Prerequisite: U.S. History

A required course for all seniors, Participation in Government prepares students to become participating members of their democratic society. Students will examine processes and problems of government on the local, county, state and federal levels. Students will be required to attend a local school board meeting and/or a town board meeting as a course project. Several guest speakers and/or field trips will add to the practical nature of the course.

and regressions. They will work with right angle trigonometry and the trigonometry of circular functions. Students will extend their knowledge of Probability and Statistics by interpreting probabilities in real world situations and making predictions based on interpolation and extrapolation of data. Students will also concentrate on building skill levels using the graphing calculator. **At the end of the course the students will take the NY State Algebra 2 & Trigonometry Regents exam.**

Algebra 2 & Trigonometry HR Credit: 1 Prerequisite: Regents Geometry HR

This course is for the student who successfully passed the Geometry Regents exam and wishes to continue in the Regents track. Emphasis in this course will be on Intermediate Algebra, Functions, Trigonometry, Probability and Statistics. Students will extend their Algebra skills to the level of complex numbers, logarithms, exponentials and regressions. They will work with the trigonometry of the circular functions and will extend their knowledge of Probability and Statistics by interpreting probabilities in real world situations and making predictions based on interpolation and extrapolation of data. The graphing calculator is an integral part of the course and proficiency will be emphasized. **At the end of the course the student will take the NYS State Algebra 2 & Trigonometry Regents exam.**

Pre-Calculus Credit: 1 Prerequisite: Alg.2 & Trig./Teacher Rec.

This Pre-calculus course provides the bridge between the Algebra 2 & Trigonometry curriculum and college calculus. The TI-83/84 plus calculator will be used to help develop topics including analytic geometry, function analysis, complex numbers, college algebra, trig functions, equations and identities, matrices and an introduction to calculus concepts. Any student intending to take calculus should take this course.

General Calculus Credit: 1 Prerequisite: Pre-Calculus

This course is intended for the senior who would like to gain exposure to calculus without the rigor of the AP program. Students who opt for this course will not be eligible to sit for the AP Calculus exam offered in May. It will include many of the same topics as Calculus; however, the level of depth into some of the topics will not be as intense.

AP Calculus Credits: 2 Prerequisite: Pre-Calculus/teacher Rec.

AP Calculus is a course for students of exceptional ability in mathematics who have successfully completed Pre-Calculus. Integral and differential calculus will be addressed. All topics will be taught to the specifications of the AP curriculum. The TI-83/84 plus graphing calculator is used as a tool in developing concepts in calculus. **Students will be required to take the Advanced Placement examination that is given the second week in May.** Some colleges may award credit for completion of AP-level courses (or waive minimum requirements) depending on a student's final grade as well as their AP exam score. **The fee for the AP exam was \$87 in 2010-2011 (see your counselor for a fee waiver if you are eligible for free or reduced lunch!)**

Science Courses

Earth Science + Lab Credit: 1 Prerequisite: None

The major topics covered will include geography, geology, meteorology and astronomy. Students will explore many themes relative to the Earth, solar system and weather. Instruction will utilize demonstrations, investigations, lecture, movies, and laboratory experiences. **Laboratory is required. The NY State Regents examination is taken upon completion of this course.**

Pre Biology Credit: 1 Prerequisite: None

This course is designed as an introductory course to Regents Living Environment. It will cover selected topics and includes labs that have proven difficult to grasp so the student will be prepared to enroll in Regents Living Environment.

Living Environment + Lab Credit: 1 Prerequisite: None

Living Environment is the study of the structure and function of all living things. It includes the study of many types of plants and animals and how they are interrelated. The human body is also discussed in detail along with heredity; the theories of evolution of all living forms, ecology and the biochemical process involved in life functions. Laboratory exercises are correlated with the material covered in class. **Laboratory is required. The NY State Regents examination is taken upon completion of this course.**

Living Environment HR + Lab Credit: 1 Prerequisite: Earth Sci. HR & Tchr Rec.

This is the same course as Living Environment with the exception that it is offered in the freshman year to honors students. Some of the material will be covered in greater depth. The students will also be responsible for a portfolio that will include a research paper, small research projects and poster projects. **NYS Regents examination is taken at the end of this course.**

Physics + Lab Credit: 1 Prerequisite: Geometry

The objectives of Physics extend beyond a minimal comprehension of basic facts and principles. The development of critical thinking skills is the most important outcomes in the study of Physics. The scope of the course material consists of mechanics, heat, transfer of energy by wave motion, electricity, alternating current and electronics, and nuclear energy. The prerequisites for the course are Math 122 or Math 133 and concurrent registration in Geometry. **Laboratory is required. The NYS Regents examination is taken upon completion of this course.**

Physics HR + Lab Credit: 1 Prerequisite: Algebra 2 & Trig.

This course will follow the objectives of the Regents Physics course. In addition, the student will be introduced to Calculus based Physics.

General Physics Credit: 1 Prerequisite: Integrated Algebra 1B

The objective of General Physics is to supply the student with an overview of Physics. Many different topics will be incorporated into an algebra based program. Topics such as mechanics, energy, waves, optics, electricity and modern physics will be covered. Time to complete Physics labs is included in the class.

Chemistry + Lab Credit: 1 Prerequisite: Geometry

This course is a study of the theoretical aspects of Chemistry and their mathematical applications. The course is divided into eleven main units and lab. The main topics are: Matter and Energy, Atomic Structure, Bonding, Periodic Table, Mathematics of Chemistry, Kinetics and Equilibrium, Acids and Bases, Redox and Electrochemistry, Organic Chemistry, Applications of Chemical Principles and Nuclear Chemistry. The course of study is geared primarily to the academic student. **Laboratory is required. The Regents examination is taken upon completion of this course.**

Chemistry HR + Lab Credit: 1 Prerequisite: Geometry & Biology HR

This is basically the same course as Chemistry except that it is offered to honors students in the sophomore year and the depth of the material is greater. The course can be their sole chemistry course or it can lead to Advanced Chemistry.

NUSTEP CHE 111 / 113L General Chemistry I (Advanced Chemistry I)

Credit: 1 Prerequisite: Chemistry, Strong Math Background

An introduction to physical and chemical principles that is appropriate for declared and potential college science majors. This course is introductory college chemistry with topics including matter, atomic structure, bonding, stoichiometry, reactions, molecular structure, gases, thermo-chemistry, solutions, and the Periodic Table. Lab is included in the class. Regents Chemistry is a prerequisite and a strong background in mathematics is required. Students may also choose to enroll at Niagara University to receive college credit

upon successful completion of the course. **In 2010-2011, the reduced tuition charge for NUSTEP enrollees was \$240 for this 4-CREDIT college course...transfer of credits between colleges is subject to the discretion and approval of individual colleges and universities...Enrollment in this course prepares student for Advanced Chemistry II regardless of whether tuition is paid.**

Advanced Chemistry II Credit: 1 Prerequisite: Advanced Chemistry I

This course is a continuation of Advanced Chemistry I and is designed to expand the student's knowledge of chemistry, as well as prepare the student for college, in general. This section of advanced chemistry has a much greater focus on the laboratory setting. Topics to be studied include reaction rates, equilibrium, acids, bases and salts, and electrochemistry. Students will have a very solid foundation in chemistry upon completion of Advanced Chemistry I & II. This section meets every day for a full semester.

Environmental Science Credit: 1 Prerequisite: Living Environment

Environmental Science will teach students about the delicate balance of nature and present people's role in their environment. Water, air, soil, food, mineral, and energy resources are studied as essential elements in the students' lives. Practical ways to conserve these resources are also presented. The course is writing intensive, and project based.

NUSTEP Biology 102 Credit: 1 Prerequisite: Living Environment

This is a Niagara University college-level course that will study the basic functions of the human body in terms of health and disease. This course is designed to increase a student's understanding of elementary human physiology. It will emphasize the functional aspects of the body at the cellular, organ, and organ system levels. It is designed as a terminal non-laboratory course for non-science majors. **Students may opt to pay the discounted Niagara University tuition cost of \$180 and be eligible to earn 3 college credits from Niagara (transfer of credits between colleges is subject to the discretion and approval of individual colleges and universities).**

Anatomy & Physiology Credit: 1 Prerequisite: Living Environment

This course is designed to offer students a chance to learn more about how the human body works. Anatomy refers to the structure of body parts, while Physiology concerns the functioning of those parts. Students will take an in depth look at the following body systems: skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, digestive, respiratory, urinary, and reproductive. The course is recommended for students interested in careers such as doctor, nurse, physical/occupational therapy, athletic training, gym/health teacher, dietitian, biologist, forensic scientist, archaeologist, etc.

German 3 **Credit: 1** **Prerequisite: German 2**

This course includes a practical overview of grammar and further development of vocabulary and grammar structures. Emphasis is placed on developing accuracy in German through language use in a variety of contexts. Preparatory to the Regents examination, stress is placed on oral/aural communication, extensive and intensive reading comprehension and journal writing. Meaningful conversation is incorporated through written and oral dialogues and cooperative projects. **A final exam similar to the former Comprehensive Regents Examination is taken upon completion of the course.**

German 4 **Credit: 1** **Prerequisite: German 3**

This course further develops students' appreciation of German language and culture. More advanced grammatical structures and vocabulary will be reinforced through role-playing, dialogues, writing tasks, and projects. Students will study geography, history, art and other cultural elements of Germany, and will be introduced to excerpts of literature from German authors.

HC German 103 **Credit: 1** **Prerequisite: German 4**

This is a Hilbert College-level German course that will be offered to students wishing to take the final class in the German language sequence. Areas covered in this course include: German culture, conversation, history, written expression and advanced vocabulary. **Students may opt to pay the discounted Hilbert College tuition cost of \$100 and be eligible to earn 3 college credits from Hilbert (transfer of credits between colleges is subject to the discretion and approval of individual colleges and universities).**

Spanish 2 **Credit: 1** **Prerequisite: Pass Spanish 1B & Prof. Exam**

This course will review and expand vocabulary and linguistic topics from Level 1B. Students will further develop the skill areas of speaking, listening, reading, writing and culture in Spanish within a variety of contexts. Greater emphasis is placed on reading and writing. Classroom activities include role-playing situations, projects, oral presentations and use of multimedia resources.

Spanish 3 **Credit: 1** **Prerequisite: Spanish 2**

This course includes a practical overview of grammar and further development of vocabulary and grammar structures. Emphasis is placed on developing accuracy in Spanish through language use in a variety of contexts. Preparatory to the Regents examination, stress is placed on oral/aural communication, extensive and intensive reading comprehension and journal writing. Meaningful conversation is incorporated through written and oral dialogues and cooperative projects. **The Comprehensive Regents Examination is taken upon completion of the course.**

Spanish 4 **Credit: 1** **Prerequisite: Spanish 3**

This course further develops students' appreciation of the Spanish language and cultures of Spain and Latin America. More advanced grammatical structures and vocabulary will be reinforced through role-playing, dialogues, writing tasks, and projects. Students will study the geography, history, art and other cultural elements of the Spanish speaking world, and will be introduced to excerpts of literature from Spanish-speaking authors.

NUSTEP Spanish 104 **Credit: 1** **Prerequisite: Spanish 4, Avg. 85% & Teacher Rec.**

These courses are offered in conjunction with Niagara University. Emphasis is placed on the development of fluency in Spanish as well as the ability to write original composition. Grammatical concepts are reinforced, with the main focus on verbs, tense formation and sequencing, and usage in the four language skill areas. The study of various aspects of the Hispanic peoples and their culture is also incorporated. **Students may receive three semester hours of college credit from Niagara University for paying for and successfully completing this course. Students may opt to pay the discounted Niagara University tuition cost of \$180 and be eligible to earn 3 college credits from Niagara (transfer of credits between colleges is subject to the discretion and approval of individual colleges and universities).**

Art Courses

Studio In Art Credit: 1 Prerequisite: None

Studio in Art is open to all ninth grade students and serves as a prerequisite for art majors. Studio is designed to give the student a general introduction into the visual arts. The course consists of three major areas of study: the nature and beauty of art, which gives a broad overview of reasons for creation and classifications of art work; the elements and principles of design presented as a series of “hands on” activities in various media and technique; and art history, giving students experiences in criticism and appreciation while fostering understanding or artistic evolution. This course satisfies the requirement for the single graduation credit needed in art or music.

Painting & Drawing Credit: 1 Prerequisite: Studio in Art

Painting & Drawing is a comprehensive course of study designed to develop skills and talents in drawing and painting while experimenting with various techniques in both wet and dry media. Drawing and Painting will continue to foster understanding of the visual arts. Emphasis will be placed upon the nature and beauty, elements and principles, as well as historical and cultural influences on style and production.

Adv. Painting & Drawing Credit: ½ Prerequisite: Painting & Drawing

Advanced Drawing and Painting will offer experiences to students who have previously studied Drawing and Painting that encourages development of individual style, and refinement of technique. Emphasis will be placed upon development of composition and craftsmanship. The elements and principles of art, cultural and historical influence, as well as criticism and aesthetics continue to be a focus.

Ceramics 1 Credit: ½ Prerequisite: None Rec. Gr. Level: 10-12

Ceramics I is an introductory course of study, which explores clay as an artistic medium utilizing both hand building and wheel-throwing processes. Students explore the vocabulary of ceramics, and glazing, the historical influences on design, form following function, as well as contemporary potters and pottery.

Ceramics 2 Credit: ½ Prerequisite: Ceramics 1

Ceramics 2 provides the student an opportunity to enhance their ceramic knowledge. The course emphasizes experimentation with the processes, personal expression, and the clay medium. Students will refine their use of hand building, wheel throwing, and glazing while building upon their knowledge of potters and pottery throughout history.

Advertising Design Credit: ½ Prerequisite: Studio in Art Rec. Gr. Level: 10-12

Advertising Design engages students in the study of techniques used in the ad industry and graphic design fields. Students explore typography, package design, color theory, as well as materials for print. Local and national contests, including poster design and ad campaigns are part of the practical application for this course.

Creative Crafts Credit: ½ Prerequisite: None

Creative Crafts is an elective course of study for both art and non-art majors. Students will explore various media and techniques as well as traditional and folk art. They will create work while studying the elements and principles of design as well as the history and evolution of craft.

Printmaking Credit: ½ Prerequisite: None

Printmaking is an elective course of study for both art and non-art majors. Printmaking will explore the history of the artistic printing and experiment with a variety of print making materials. Students will create exciting original works using mono print, and linoleum block.

Music Courses

* **NOTE:** Participation by audition in state and county music festivals is made available to advanced students in band, orchestra and chorus.

Chorus **Credit:** ½ **Prerequisite:** None

A mixed-voice chorus open to all students in grades 9 through 12. Basic and intermediate vocal technique and sight singing are studied. Lessons are offered to students not in band or orchestra. Attendance at evening performances and daily advisement rehearsals (every other day) is mandatory.

Select Chorus **Credit:** ½ **Prerequisite:** None

A mixed-voice chorus open to all students in grades 9 through 12. Intermediate and advanced vocal technique and sight singing are studied. Lessons are offered to students not in band or orchestra. Attendance at evening performances and daily advisement rehearsals (every other day) is mandatory. An audition and a teacher recommendation are required for admission to Select Chorus.

Orchestra **Credit:** 1 **Prerequisite:** Musical Background/Audition

Orchestra will emphasize string music education, instruction and ensemble experience and the performance of works in the orchestral literature, meets daily. Lessons are required on a rotational basis. Attendance at evening performances and daily advisement rehearsals is mandatory.

Jazz Studies **Credit:** ½ **Prerequisite:** Musical Background/Audition

The Jazz Studies course provides an opportunity for high school instrumentalists to perform music in the jazz/rock idiom. Aspects of modern jazz/rock style and interpretation are stressed through actual performance. Jazz studies include basic harmonic jazz theory and improvisation through listening and performance. Attendance at evening performances is mandatory.

Symphonic Band **Credit:** 1 **Prerequisite:** Musical Background/Audition

This group provides an opportunity for music students studying wind and percussion instruments to perform literature of the band repertoire. Symphonic Band will be a prerequisite for entrance into the Wind Ensemble. Meets daily, lessons are required on a rotational basis. Attendance at evening performances and daily advisement rehearsals is mandatory.

Wind Ensemble **Credit:** 1 **Prerequisite:** Symphonic Band/Audition

The Wind Ensemble is a band of select students who study wind band literature through performance. Students are selected by audition. Meets daily, lessons are required on a rotational basis. Attendance at evening performances, daily advisement rehearsals and band tour is mandatory.

Music Theory **Credit:** 1 **Prerequisite:** Senior with Teacher Rec.

The Music Theory program is a one-semester course of study designed to prepare the student for first semester college level theory. It is therefore recommended that the student be a senior and that they have a musical background or play a musical instrument. A familiarity with the piano keyboard is especially helpful. Music Theory consists of the development of both aural and written skills. The aural skills program is geared to the individual ability of the student and deals with melodic and harmonic perception, and sight singing. The written skills program includes rudimentary aspects of melody, harmony, form, and analysis.

Theatrical Perf. & Prod. **Credit:** ½ **Prerequisite:** None **Rec. Gr. Level:** 9-12

Theatrical Performance and Production is a lab-style approach to the art and craft of the theatre. The fundamentals of acting and stage movement will be taught through scene study, analysis of both student and professional performances, and discussion of theatre literature. Field trips to attend live theatre productions may be arranged. Students will also receive hands-on experience in the fundamentals of theatre and production,

including principles of scenic design and construction, costuming, lighting, make-up, stage management and direction. This course will culminate in a student production of either a full-length non-musical play, a set of one-act plays, or a series of short scenes.

Music In Our Lives Credit: 1 Prerequisite: None Rec. Gr. Level: 9-12

Music In Our Lives is the recommended New York State general introduction to music course. This course will include listening, performing, composing, using basic tool skills, and developing a special interest independent project. Students are urged to take this course if their understanding of music is at a basic level.

Health Courses

Senior High Health Credit: ½ Prerequisite: None Rec. Gr. Level: 9

This is a required course for graduation. In accordance with NY State Education Department regulations, cigarette smoking, drug abuse, nutrition, fitness, safety, abstinence, human sexuality, the AIDS epidemic and mental health are included as topics in the course. Additional units of study include human reproduction (life cycle), healthy relationships, first aid and stress management. Authentic assessments and independent learning experiences are included. Effective parenting skills and issues are presented as per SED mandate and BOCES recommendations.

CPR & First Aid Credit: ½ Prerequisite: Sr. HS Health Rec. Gr. Level: 10-12

Community CPR and First Aid is a course conducted in accordance with requirements and procedures of the American Red Cross. (Cardiopulmonary Resuscitation = CPR) This course provides an opportunity for Red Cross Certification.

Happiness 101 Credit: 1 Prerequisite: None

This course will involve an eclectic evaluation and discussion of "HAPPINESS." Introspection and self-awareness are the course objectives. The class environment will foster brain-storming and discussion of "What makes you happy?" Lessons will be student-directed. Each student will research assigned topics and facilitate the class's learning experience. Class resources will include Randy Pausch's Last Lecture (2005), Eckhart Tolle's A New Earth (2006), Mitch Albom's The 5 People You Meet in Heaven and his first best-seller Tuesdays with Morrie.

Physical Education Courses

Physical Education Credit: ½ Required ½ unit each year 9-12

The main objective of Physical Education is to teach various team and lifetime sports and fitness skills that will encourage a healthy, active lifestyle. Participation in the selected activities also provides for further development of the mental, emotional and social growth of the individual students. Grading is based on knowledge, attendance, participation, effort and attitude as well as skill and self-evaluation. Achievement is measured at various intervals through the use of the following: written knowledge tests, skill tests with performance rubrics, the development of a personal fitness plan based on past and current scores and the teacher's observation of the student in his/her daily class activities.

Lifeguarding Credit: ½ Prerequisite: Knowing how to swim

Successful students will receive a certification in Lifeguard Training. Skills taught include victim recognition, equipment-based rescues and caring for head, neck and back injuries. This course prepares participants for employment as lifeguards as long as they can complete the rigorous swim distance and endurance training requirements.

Business & Computer Education Courses

Please note that the Business/computer Department has articulation agreements with Bryant & Stratton and Erie Community College. Therefore, if you would be attending any of these schools, you should check with your guidance counselor to see which classes combine to give you college credit.

Career and Financial Management **Credit:** ½ **Prerequisite:** None **Designed for:** 9th Graders
Students will learn the relationship between career planning and lifelong goals. They will recognize the skills needed for success in a chosen career cluster and know how to assess personal abilities and work performance to achieve individual career goals. This class will emphasize the business and economic system including its characteristics, operations, structure, and evolving role within society. Students will begin to realize the significance of their part in the economic system and to begin to become financially literate. Important management and economic concepts are defined in relation to business transactions and to the individual as an entrepreneur, employee, consumer, and citizen.

This class is required to get any sequence in occupational education. It will be required as part of every career and technical education units (CTE) program including five-unit CTE programs used as a substitution for the additional two units of foreign language needed for a Regents diploma with advanced designation.

Keyboarding Applications **Credit:** ½ **Prerequisite:** None **Designed for:** 9th Graders
Keyboarding Applications is a 1/2-unit course designed to develop touch-keyboarding skills to the extent that students may use the skill in their personal lives or as a supportive skill in their jobs. Keyboarding instruction will take place on computers using a keyboard program that consists of a tutorial, reinforcement activities, educational games, and a word processor. Students will learn proofreading marks and how to type reports and business letters.

Business Analysis/Business Computer Applications (BA/BCA)

Credit: 1 **Prerequisite:** Keyboard. **Rec. Gr. Level:** 9-10

A one-unit full semester course that focuses on the big three of software: Word Processing, Database & Spreadsheet. The Microsoft Office suite of programs will be utilized for the course; Word for word processing, Excel for spreadsheet, Access for Database, Publisher for desktop publishing and PowerPoint for presentation graphics. Layout and design techniques will be taught in the creation of a full-page ad layout, the creation of letterheads, a creative PowerPoint presentation, as well as a flyer, one-page newsletter, and brochure in Publisher. BA/BCA is part of the Business Administration, Computer Technology, Marketing Finance, and College Prep Career Pathways. **BA/BCA is a graduation REQUIREMENT for all students.**

Electronic Information Processing (EIP) – PORTFOLIO I

Credit: 1 **Prerequisite:** BA/BCA or PC **Rec. Gr. Level:** 10-12

A one-unit, full semester course that focuses on the creation of a professional portfolio. Students will create a cover letter and resume, they will obtain samples of related course work, letters of recommendation, and awards received. They will place their best timed writing for the course in their portfolio as well as samples of their computer work in Word, Access, Excel, PowerPoint, Publisher, PhotoShop and InDesign. Students will also learn how to use voice recognition technology in the Windows operating system and create a community service page. EIP is part of the Business Administration, Computer Technology, Marketing, and College Prep Career Pathways.

Accounting **Credit:** 1 **Prerequisite:** None **Rec. Gr. Level:** 9-12

A one-unit full semester course designed to develop competence in the application of accounting theory. Students will process transactions through the entire accounting cycle in a service and merchandising business.

They will also be introduced to automated accounting, and when applicable may use a computer to process accounts receivable, payroll, and transactions specific to a service business.

Advanced Accounting Credit: 1 Prerequisite: Accounting Rec. Gr. Level: 9-12

A one-unit full semester course that builds on the Accounting course and is designed to develop entry-level proficiency in the accounting field. Content includes partnership and corporate accounting, notes payable and notes receivable, depreciation, inventory management, and the accrual basis of accounting. Students will also have the opportunity to further their understanding of the use of the computer as an accounting tool.

Web Page Design Credit: ½ Prerequisite: None

Through the use of HTML (Hypertext Markup Language) students will learn how to create Web pages. HTML is the newest, fastest growing computer language. Students will incorporate the use of keyboarding, word processing, graphics, desktop publishing and the Internet through the use of MS FrontPage, Dreamweaver, and PhotoShop.

Business Law Credit: ½ Prerequisite: None Rec. Gr. Level: 11,12

A one-unit full semester course that features applications of business laws as they affect the individual. The relationship of the laws to an individual's personal, as well as occupational, life is emphasized. A few of the topics covered in class are criminal laws, torts, trial procedures, contracts, buying a home, insurance protection, starting a business and making a will. Additional activities include a field trip to the Erie County Holding Center and guest speakers to expand on topics discussed in class.

Sports Marketing Credit: ½ Prerequisite: None Rec. Gr. Level 9-12

This course will take you on a step-by step journey through the world of Sports Marketing. You will learn the basic functions of marketing and how those functions are applied to sports and entertainment. The basic functions of marketing are: marketing information, financing, pricing, promotion, product/service management, and distribution and selling. Guest speakers and field trips may be used to reinforce concepts. A computer simulation may also be used to enhance the course.

ECC College Success Skills Credit: ½ Prerequisite: BABCA Rec. Gr. Level 11,12

This course provides an opportunity for students to learn and adopt methods and strategies to promote personal growth and success in college and in life. Topics include: learning styles; problem-solving and creativity; cultural diversity; bibliographic instruction; time/task management; methods of inquiry and critical thinking; academic policies and procedures. **Please Note:** Any junior or senior Eden high student in this course will have **AN OPTION** to enroll as part of Erie Community college's Advanced Studies Program. **This program allows students to receive a 3-credit hour college transcript credit for one-third of the college cost.** A student completing and earning a grade of C or better may transfer the course credit to SUNY colleges and most two or four-year colleges and universities. Students are encouraged to contact the college of their choice to ensure that the course will be accepted at those institutions. The cost for the 2010-2011 school year was \$205.

ECC Computer Applications for the College Bound Student

Credit: ½ Prerequisite: BABCA Rec. Gr. Level 11,12

This is a "web assisted" course using ANGEL, an online management system used in colleges. Students will learn various features of ANGEL including discussion forums, quiz/survey tools, course mail and drop boxes. In addition, students will complete various assignments in Microsoft Office utilizing their skills learned in BABCA. The assignment will include MLA reports, announcements, letters, brochures, etc. This is a great opportunity to prepare for college while earning college credit! All students must pay to take this college level course.

Please Note: Any junior or senior Eden high student in this course **MUST** be enrolled as part of Erie Community College's Advanced Studies Program. **This program allows students to receive a 3-credit hour college transcript credit for one third of the college cost.** A student completing and earning a grade of C or

better may transfer the course credit to SUNY colleges and most two or four-year colleges and universities. Students are encouraged to contact the college of their choice to ensure that the course will be accepted at those institutions. The cost for the 2010-2011 school year was \$205.

Family & Consumer Science Courses

Food & Nutrition **Credit:** ½ **Prerequisite:** None **Rec. Gr. Level:** 10

This is a required course for a sequence in the Home & Personal Management cluster. Students will review basic nutrition concepts, preparation skills and time management ideas. Labs will include experiments and taste tests, the preparation of meals using the latest small appliances, quick breads, sweet breads and many more. Students will also research a career of their interest in this field. This course will be very helpful if planning to take Gourmet Foods I & II. This course may be taken as an elective.

Teen Issues & Human Development **Credit:** ½ **Prerequisite:** None **Rec. Gr. Level:** 10

This is a one-semester course. Stress, abuse, runaways, infants and toddlers, baby-sitting, care of the elderly, family heritage and customs are just a few of the topics explored to help today's teenagers understand their place in the family. Students will hear guest speakers, prepare foods from other countries, and use classroom observations to help in their study. Career possibilities in this field will also be investigated. This course may be taken as an elective.

World of Fashion **Credit:** ½ **Prerequisite:** None

This is a class that will expand the student's awareness of fashion history, introduce the basic skills of fashion drawing, and provide an opportunity to apply the principles and elements of design in a garment construction project. Careers related to the fashion industry are also explored.

Food Preparation **Credit:** ½ **Prerequisite:** None **Rec. Gr. Level:** 11,12

Food Prep is an elective course in food planning, preparation, and serving. Students will prepare individual food dishes as well as a formal meal. In addition, they will work with new equipment and explore foreign cookery.

Gourmet Foods 1 **Credit:** ½ **Prerequisite:** Food Prep, Food & Nutrition, Intro to Occup.
Home Economics or Voc. Program **Rec. Gr. Level:** 11,12

This is an in-depth course in food preparation. Students will learn about advanced preparation techniques, the importance of food appearance and presentation, and the use of specialized equipment. Careers related to food photography, food journalism, and food styling will be discussed.

Gourmet Foods 2 **Credit:** ½ **Prerequisite:** Gourmet 1 or Voc. Prog. **Rec. Gr. Level:** 11,12

This is a continuation of Gourmet Foods I. Students will learn menu planning, meal preparation, and gifts from the kitchen. Guest speakers will explore possible careers and demonstrate techniques.

Family Safety & Parenting **Credit:** ½ **Prerequisite:** **None **Rec. Gr. Level:** 11,12

Today's family issues include nutrition, finance, blended families, stress management and home safety. Students will learn about current successful parenting strategies. Class material is researched based. Course will include information for safety regarding media, computer games, cell phones, computers and the challenges of future technology.

Child Development **Credit:** ½ **Prerequisite:** None **Rec. Gr. Level:** 9-12

In this course students will explore how to help all children, prenatal through school age, establish optimal physical, emotional, social and cognitive foundations. The student will have the opportunity to interact with children in a lab experience.

Technology Education Courses

TRADITIONAL/FOUNDATIONAL SKILLS

Manufacturing Systems Credit: ½ Prerequisite: None Rec. Gr. Level: 9-12

This is a specialized Introduction to Occupations course. Therefore, this course can be used as 1/2 unit in the Technology Education sequence. The Manufacturing Systems program will allow students to gain an understanding of the significance of input, processes and outputs of manufacturing technology. During this course, students will become aware of the history, personnel system, planning, tooling up and processes used in manufacturing. Hands-on experiences will allow students to problem solve ideas to design and develop a product that will be produced by the class through mass production principles. Students will experience the needs for design and planning and for individual as well as group participation in the production of manufactured products.

Transportation Systems Credit: ½ Prerequisite: None Rec. Gr. Level: 9-12

This course can be used as 1/2 unit of the one unit requirement in the systems courses for completion of a Technology Education sequence. The course explores transportation systems from three perspectives: land transportation, marine transportation and aerospace transportation. The course will be based largely upon hands-on activities with supportive lessons and demonstrations. The system concept of inputs, resources, processes, output and monitoring components will be stressed for each area. Land transportation will include fixed, random and stationary transportation. Marine transportation will include inland to oceanic transportation. Aerospace will include both air and space environments.

Woodworking Credit: ½ Prerequisite: None Rec. Gr. Level: 9-12

This course will explore the study of materials, processes and products that are prevalent in the woodworking industry are commonly used in our society. The students will encounter new working skills in the use of solid woods and veneers as they advance toward the completion of their required and individually selected projects. By selection of their own project during the second quarter, they are given the opportunity to explore areas of interest that may prove beneficial in their occupational selection.

Production Research & Development Plastics

Credit: ½ Prerequisite: None Rec. Gr. Level: 9-12

Through 75% hands-on activities the students will gain knowledge of the fundamentals of plastic technology. From work activities, lessons and demonstrations the students will explore the significance and procedures of the research and development process as they relate to the knowledge and products of the industry.

Electricity/Electronics Credit: ½ Prerequisite: None Rec. Gr. Level: 9-12

This course will incorporate computerized FACET (Fault Assisted Circuitry Electronics Training) equipment. This equipment and curriculum will include AC, DC, and Digital Logic Fundamentals in an advanced, comprehensive, interactive computer-based delivery system. The computer equipment, along with traditionally sound instructional techniques, will help students understand how electricity works and how to make safe electrical connections. They will work with devices commonly used to measure and control electrical circuits and, through observation and hands-on experimentation, they will become familiar with important electronic concepts. The electricity and electronics curriculum will cover all critical topics associated with electrical and electronic circuits and the devices that control them. Common threads throughout the entire course include safety, laboratory skills, and construction and fabrication skills. Through experimentation, construction, and problem-solving based instruction, students will be able to recognize the many ways these systems interact with other technologies. Focus of the course is on the comprehensive representation of how electrical and electronic technologies influence our environment.

COMMUNICATIONS/MEDIA

Communication Systems Credit: ½ Prerequisite: None Rec. Gr. Level: 9-12

This course may be used as 1/2 unit of the one unit requirement in the systems courses for completion of a Technology Education sequence. This course is designed to introduce and explore the highly complex and diversified areas of both Graphic and Electronic Systems through presentations, demonstrations and laboratory activities. In the graphics area we will explore various means of printing processes--silk-screen and offset press. The students will be expected to complete laboratory activities of their own selection. This course can lend itself to field trips and guest lectures on how communication relates to social, environmental and economic relationships. Career opportunities of today will also be explored.

Photography Credit: ½ Prerequisite: None Rec. Gr. Level: 11-12

This is an introductory course in photography in our lab. Areas covered include: basic and modern camera use, film development, contact printing and enlarging; dry-mounting, rules of composition; black and white development theory and the construction of films and photographic papers. Required projects include: (1) taking of pictures, (2) development of film, (3) contact prints, and (4) making enlargements. This course may also be taken as a general elective and can be used to fulfill Regents diploma requirements.

Advanced Photography Credit: ½ Prerequisite: Photography Rec. Gr. Level: 11,12

This course focuses on refining skills used in Photo 1. Students will extend their experience to a more advanced level where experimentation and discovery can take place using the camera and the darkroom. Digital photography and editing will also be integrated using industry standard equipment and software such as PhotoShop CS2 and I Photo. A portfolio of work may be completed.

Media Production Tech. Credit: ½ Prerequisite: None Rec. Gr. Level: 9-12

Media Production is a hands-on course that will allow you, the student, to create, plan, and produce video and audio productions using our TV studio. You will be experiencing production schemes in areas such as video and video recording equipment, lighting and audio equipment, as well as studying the marketing and advertising aspect of media productions. Each student will participate and contribute as a member of the production team to reach a common goal of a particular production.

Digital Video Production 1 Credit: ½ Prerequisite: Media Prod. Rec. Gr. Level: 9-12

This course will allow students to become actively involved with video production by using digital cameras, lighting, camera movements and special effects. Digital editing will be accomplished by having students using their individual imagination/perspective to produce quality videos.

Digital Video Production 2 Credit: ½ Prerequisite: Media Prod & Video Prod.1 Rec Gr. Level 9-12

Level 2 is a course that builds off of Digital Video 1 and allows students to produce and edit their own production using computer effects to achieve professional quality videos. As time permits, students will tape and edit special events for the school district.

ENGINEERING FUNDAMENTALS AND APPLICATION

There are fundamental skills, theories and practices that apply to all forms of engineering. The main goal of each class described below is to expose students to some of these fundamentals and have them apply them while solving real-world engineering problems. The first two courses, World of Technology and Technical Systems and Applications 1, described below, are stand-alone classes. Technical Systems and Applications 2 can only be taken if a student has successfully (final average of 80% or greater) completed Technical Systems and Applications 1. ***All of the courses below can be used to earn a Technology Education credit as well as a Math or Science credit as long as the first two units of Math or Science credit have been earned previously.**

World of Technology Credit: 1 Prerequisite: None Rec. Gr. Level: 10,11,12

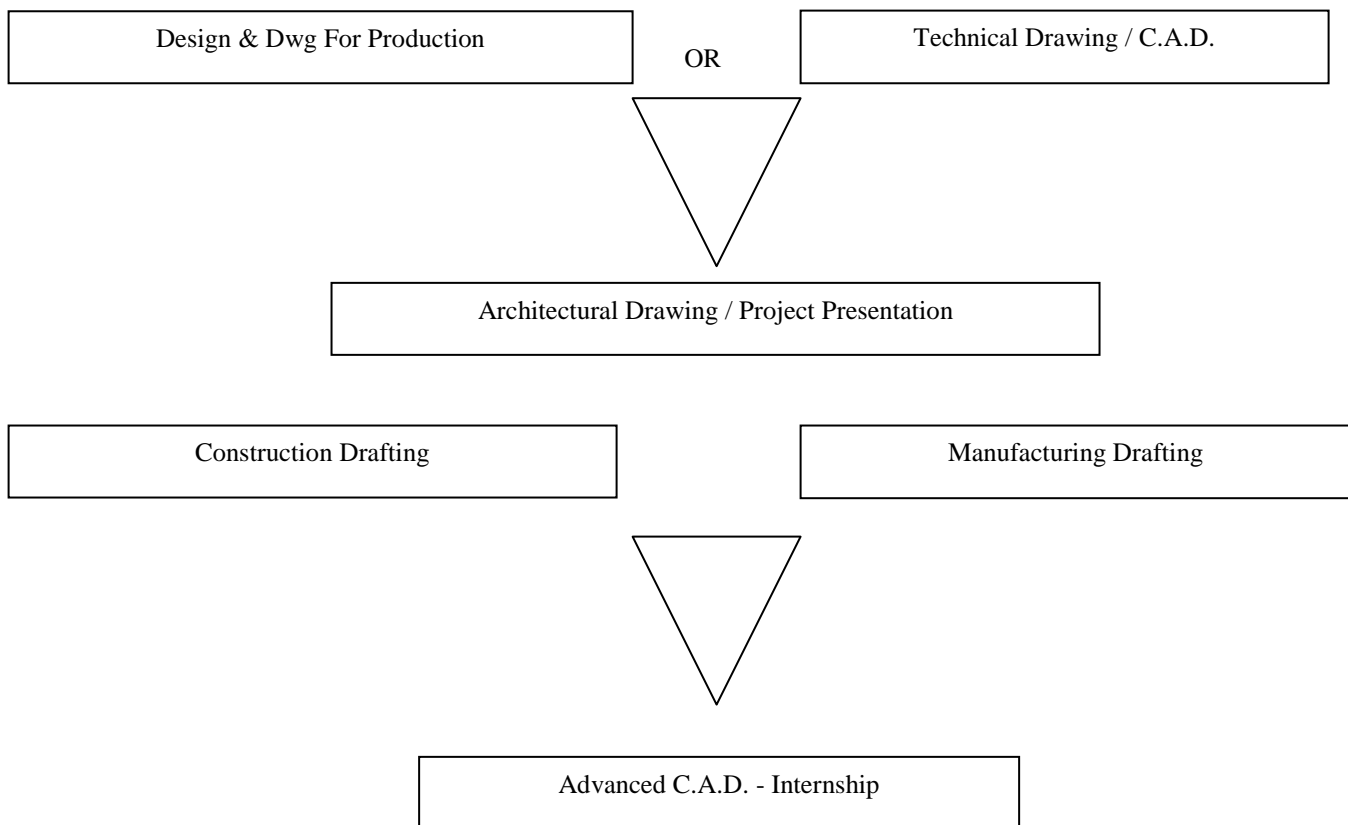
For diploma purposes, this course may be counted as a 3rd unit of either Math OR Science (not both). This course is a blend of the traditional foundational skills such as welding and woodworking with current

engineering theory and practice. Students will design, build and test model solutions to real-world problems in order to evaluate their effectiveness. Students will address the math, science and technology learning standards while processing materials, energy and information. This course offers students the unique opportunity to explore their own abilities relating to innovation and advanced real-world problem solving. Previous engineering activities include: advanced bridge design, task specific roller coasters, and protective egg drop containers. Possible future activities include: V-twin motorcycle design, innovation and fabrication and fighting robot design and fabrication.

TECHNICAL DRAWING/C.A.D.- STANDARDS FOR ARCHITECTURE AND MANUFACTURING

The courses described and illustrated in the flowchart below are designed to be taken in the sequential order listed. In order for a student to progress to the next level within the class sequences they must have a final cumulative average of 80% in the previous class or classes they have taken. At some of the sequential levels there is a choice of classes that you may select to receive credit at that stage. Not every class will be offered each and every semester. For this reason, please use the suggested grade levels as a general time reference for each student to enroll in a particular class. However, students in grades 9-12 who decide they are interested in the subject matter can take a level #1 course any semester it will fit into their schedules. **Students who successfully complete the sequence of all four drawing classes become eligible to receive college credits based upon current articulation agreements with Alfred State College and Erie Community College.**

TECHNICAL DRAWING/C.A.D.- CLASS FLOWCHART



CLASS DESCRIPTIONS AND SEQUENCE

LEVEL#1 Design and Drawing for Production (DDP)

Credit: 1 Prerequisite – None Suggested Grade Level: 9

This course meets the New York State art/music credit requirement.

This is an introductory course that is designed to help students develop a basic understanding of the graphic language used to illustrate and describe any form of man-made product. Students will also learn and utilize design theory and processes to create real solutions for defined situational problems. Traditional skills, such as sketching, board drawing, and lettering will be introduced and utilized for most activities. In order to complete the remaining activities, C.A.D.(computer aided drawing) fundamentals will also be introduced and students will incorporate the computer based skills they learn to create working design solutions.

LEVEL#2 Architectural Drawing / Project Presentation

Credit: 1 Prerequisite: Level 1 Suggested Grade Level: 10

This class is divided into two distinct ten-week courses. The fundamental focus of study for one half of the semester will be architectural principles and design relating to residential structures. Students will first be exposed to and utilizing the fundamental skills and theories which relate to standardized building materials, local building codes, floor plan development, door and window selection, and foundation/basement development. The remaining ten weeks of the semester will be used to help students develop an enhanced understanding of the use and development of pictorial drawings. Students will begin drawing three-dimensionally using AutoCad. They will also continue to develop their sketching and board drawing skills. In addition, shading/rendering skills, which are fundamental to creating realistic illustrations of objects, will be covered in detail using both AutoCad and traditional drawing tools.

LEVEL#3 Construction Drafting

Credit: 1 Prerequisite: Level 2

Building on fundamental concepts covered in Architectural Drawing, each student will create a finished set of blue prints for a theoretical residence. Therefore, theory and development relating to elevation, section, detail, plumbing and electrical drawings will be discussed and applied. All architectural drawings will be created and revised using AutoCad. Many higher order AutoCad skills, such as block development, template creation and revision, and properties manipulation will be introduced and used throughout the semester...**OR:**

Manufacturing Drawing Credit: 1 Prerequisite: Level 2

The focus of this class is the development process and factors impacting drawings used for manufacturing. Assembly, gear, cam, and geometric dimensioning/tolerance drawings are the most frequently used in manufacturing industries and therefore will be the emphasized throughout the class. All manufacturing drawings will be created and revised using AutoCad. Many higher order AutoCad skills, such as block development, solids development, and three dimensional mesh surfaces will be introduced and used throughout the semester.

LEVEL#4 Advanced CAD / Internship

Credit: 1 Prerequisite: Level 3

This is the final class of a four-unit sequence. Additional AutoCad skills such as exporting/importing various file formats, creating theoretical design locations using PhotoShop and presentation techniques will be introduced and used at the beginning of the semester. Students will then complete a fifteen-week internship with a local architectural firm. During this internship, each student will be working on creating design solutions for authentic architectural problems, not theoretical situations.

Career Technical Education Programs

These courses are open to 11th and 12th graders and meet for 40 weeks. Students spend one-half the day at Eden High School taking academic subjects and one-half day at the career technical school. School buses transport students to and from the career technical centers. Depending on the program selected, Eden students attend the Lake Shore/Carrier or Ormsby (East Aurora) Center. First year students (Juniors) will attend Career Tech in the afternoons at the Ormsby Center and at Lake Shore/Carrier Center. Second year students (Seniors) attend Lake Shore/Carrier and the Ormsby Center in the morning. Each course carries (4) units of credit per year which includes .5 Math and .5 science credits. Seniors also earn 1.0 credit in Senior English and must also take a required Vocational English course at Eden. **All courses are two-year programs unless otherwise noted.**

Automotive Body Repair – Ormsby

Instruction is given in non-structural and structural repair, refinishing, estimating, and mechanical and electrical repair. Students in this classroom acquire job related skills and techniques through the use of specialized tools and equipment in the auto collision repair field.

Automotive Technology – Lake Shore/Carrier

Instruction in this program is based on ASE (college level entry standards) guided diagnosis and repair curriculum. Students receive hands-on experience on modern automobiles covering the most common high tech systems. Students in this class have the opportunity to complete 4 of the 8 areas of ASE certification.

Computer Assisted Design & Drafting (CADD) – Ormsby (Two-year program or One-year senior elective)

This program is designed for students who wish to pursue a career in drafting, design, architecture, or mechanical engineering. Students are introduced to both hand-drawn and computer graphics using industry standards. Students explore graphic language utilized in architecture, mechanical engineering, art/design, and animation. Industry standard equipment and software include AutoCAD and other related software.

Before enrolling in Ormsby's CADD program, please see Mr. Jones in Eden's Technology Department to compare what Eden can offer to you with regard to the Technical Drawing Courses taught in our district.

Construction Technology - Ormsby

Students receive an overview of the construction industry and learn the fundamentals of carpentry, wiring, plumbing, masonry, blueprint reading, interior/exterior finishing and estimating. Students work in teams and also on their own individual projects.

Cosmetology – Lake Shore / Carrier

This program offers both theory and practical experience necessary to be employed as an entry-level cosmetologist. Safety, professional image, decontamination, anatomy, haircutting, perms, chemical hair relaxing, hair coloring, braiding, nail and skin care, makeup, and salon management are topics covered in the curriculum. Second year students participate in a clinic open to the public. Students completing the two-year program are prepared for the New York State licensing exam that requires 1000 practicum hours. Upon licensing, students are certified to work in the areas of hair care, nails, and aesthetics.

Criminal Justice – Lake Shore / Carrier

The morning session of this program is based on the study of our legal system and criminal investigation. Guest lecturers and field trips give students a first hand view of this field. The afternoon session is based on topics in the areas of security guards, loss prevention, community policing, plant protection, risk management and facility/plant security. Students learn to prepare reports, keep daily logs and compile information. This

program may be taken as a one or two year program, but both sessions are required to receive a certificate of completion.

Culinary Arts – Lake Shore/Carrier

The essential components of the food service industry are presented. These include: menu planning, food preparation, cutting techniques, conversion of recipes, equipment identification, baking, cost analysis, ice carving, dining room service, as well as banquet and buffet skills. Culinary principles with emphasis on soups, sauces, and stocks are thoroughly practiced. Areas of study from the hospitality industry include: hotel and food service purchasing, skills required for successful employment at inns, resorts, and on cruise ships. In addition, training in sanitation, hazard analysis critical control points (HACCP) principles, and kitchen safety are offered. Students are prepared for future employment and/or enrollment at post-secondary schools specializing in the culinary industry.

Diesel Mechanics - Ormsby

Students learn to perform engine overhauls, tune-ups and diagnosis. Driveline repairs include clutch, transmissions and differentials. Hydraulic and air brake system repairs are performed according to NYS Inspection procedures. Gas, Arc, MIG and TIG welding are also taught in this program. Understanding of basic concepts in math and science are important for success in this program.

Early Childhood Education – Carrier

Students will receive instruction on establishing and maintaining a safe, healthy learning environment while nurturing the physical, intellectual, social, and emotional development of the young child. Students will have the opportunity to work in the program's nursery school and receive instruction in the preschool environment. In this setting, students learn CPR, organization and implementation of lesson plans, and recreational activities. Students will gain valuable experience through local internships and in addition, can work towards their Child Development Associate (CDA) Credential.

Emergency Medical Services – Ormsby

(Two-year program or one-year senior elective)

This program provides students with the necessary skills required for the certification and advancement in the emergency medical fields. Students will be eligible for certification in CPR/First Aid as well as Emergency Medical Technician (EMT). The course will consist of classroom theory/application; complimented by various field trips to local health facilities including a required internship in the community.

Health Careers - Ormsby

The curriculum covered in this course includes: basic nursing procedures, CPR, nutrition and diet therapy, mother and child care, care of the elderly and handicapped. Students apply what they learn through clinical experiences in hospitals, nursery schools and nursing homes.

Heating, Air Conditioning & Refrigeration – Lake Shore/Carrier

Instruction in the principles and fundamentals of heating, air conditioning and refrigeration is applied to fabrication, installation and troubleshooting situations for these various systems. Students learn to work with electrical testing equipment, plastic, steel and copper pipe tubing, sheet metal, hand tools and specialized tools of the trade.

Information Technology/Computer Systems – Lake Shore/Carrier

(Two-Year Program or One-Year Senior Elective)

The first year will focus on instruction in computer hardware and operating systems. Students will prepare to take the industry recognized COMPTIA A+ exams. Students will receive training in computer science theory and introductory level computer networking. The second year curriculum will focus upon preparing students for careers in the information technology industry. Students will complete the Nortel Net Knowledge and/or

Cisco Networking Academy training programs. Instruction in computer networks and software applications will prepare students to take the industry-recognized exams. Students desiring further certifications can take the Nortel Networks Certified Specialist or Expert Test and receive an industry-recognized certificate. Students may receive instruction leading to the CISCO Certified Network Associate.

Landscaping / Conservation - Ormsby

This program will give students the opportunity to work in the “green energy field” with energy producing windmills as well as bio-fuel. Students will learn how to use a new type of tractor.

Manufacturing Technology/Engineering - Ormsby

This course covers an overview of career opportunities in engineering. Students will explore the design process (CADD), problem solving, manufacturing, materials, technology, communication, and engineering systems in a curriculum aligned with National Industry Standards. Specific content areas include: principles of electricity, hydraulic & pneumatic systems, thermal & heat transfer problems, analog & digital signals and their applications. Students will have an opportunity to participate in internships with business, industry and education partners.

Motor Sport Fabrication/Precision Machining – Ormsby

(Two-year program or one-year senior elective)

Students will be introduced to the field of precision machining and welding fabrication through a hands-on approach. A student completing the course will be able to safely setup and operate various machines such as: lathes, mills, grinders, drill presses, band saws, MIG welders, ARC welders, tube benders, oxy-fuel torches, plasma cutters, and Computer Numerical Controlled (CNC) mills and lathes. Also included will be instruction on measuring tools, CAD-CAM (MasaterCam and CADkey), blueprint reading, and related technical math. Students will be given challenging projects that will strengthen their knowledge of machining and welding fundamentals. Students will have the opportunity to design and build items of their own interests with instructor approval. This course is recommended for students interested in pursuing a career in the field of industrial or mechanical engineering. Students may also be eligible to receive articulated college credit upon successful completion of this program.

Small Animal Care – Lake Shore / Carrier

Students taking this slow-moving program to develop basic level employable skills in the following areas: dog grooming assistant, kennel assistant, pet shop assistant and doggie day care. Safety consciousness and patience with animals are required for student and animal safety in this classroom setting. This course is designed specifically for a student who desires to work immediately after High School and has chosen NOT to pursue 2-year college.

Small Animal Science – Lake Shore / Carrier

This is a technical course that will prepare students to pursue veterinary science technology classes at the 2-year college level. Instruction is provided in basic, advanced and specialized skills in areas such as dog grooming, kennel and pet shop management, veterinary assistant and handling of small animals in the research laboratory.

ROTATING Courses For 2012-13 And Beyond!

The following courses have either run in the past or have never had enough student-generated requests to be offered as an elective for students in grades 9 through 12. **YOUR OPINION COUNTS!** Please review the course descriptions below and see your counselors or teachers for more information. Students interested in a particular elective should know that at least 10 students must register for a class in order for it to be offered in the following year's schedule. Got an idea for a class you don't see? **SUGGEST IT TO YOUR TEACHERS!**

ENGLISH

Bonding with the Bard **Credit:** ½ **Prerequisite:** English 11

This course will offer the skills students need to enjoy Shakespeare's richness and relevance. Through intensive work with only a few plays, students will learn to read text accurately and imaginatively, and to appreciate Shakespeare's dramatic dimension. Classes include analysis of the plays and exploration of performance elements through films.

Truth is Stranger than Fiction **Credit:** ½ **Prerequisite:** English 10

Strange occurrences, fascinating lives, life-altering events, and ideas that offer a new perspective are featured in this literature course. Students will explore the past, examine the present, and peer into the future while delving into the depths of the human experience. Classes will be discussion-based with films supplementing the discourse. Writing nonfiction will also be an important component of this course.

Sports & Film in Literature **Credit:** ½ **Prerequisite:** English 11

Sports at all levels (youth, scholastic, amateur, professional) have become an integral part of modern society: athletics find their way into our dreams, or communal stories and legends, and our collective hero worship. Likewise, literature and film have incorporated the world of sports into its arena as football and baseball stars have become the modern knights in shining armor or tragic heroes. In this course, we will explore the drama of sports and the exploits of its heroes and villains through fiction and nonfiction works. Some works the course may include are *The Boys of Summer*, *Friday Night Lights*, *Seabiscuit*, *The Natural*, *Everybody's All-American*, *Shoeless Joe/Eight Men Out*, *Bull Durham*, *Slapshot*, *Field of Dreams*, among others.

SOCIAL STUDIES

Sociology **Credit:** ½ **Prerequisite:** Global 2

Sociology is designed to introduce students to the scientific study of human society. The course includes five parts. Part 1 introduces the foundations of sociology and explains the use of sociological investigation, or the "doing of sociology." Part 2 targets the foundations of social life including concepts such as deviance and conformity, the ideas of important thinkers such as Karl Marx and Max Weber, and the patterns of social interaction which make up our daily lives. Part 3 offers a study of the treatment of social inequality including a study of stratification, the U.S., sex and gender, and aging and the elderly. Part 4 dedicates a full chapter to each key social institution including the economy, politics, the family, education, and health and medicine. Part 5 examines the important social dimensions of global social change such as: the environment, population and postmodern society.

MATHEMATICS

SAT Prep **Credit:** ½ **Prerequisite:** Geometry

Everything you wanted to know about the mathematics section of the SAT but were afraid to ask. Brush up on the skills that you need to succeed on America's most famous standardized test.

Statistics **Credit:** ½ **Prerequisite:** Geometry

Do you love numbers? Do you appreciate facts more than guesses? Would you like to learn how to mathematically decipher the truth behind the studies that lead to newspaper headlines that make us shudder (for example, "Eating Potato Chips May Shorten Life Span Of American Teens!")? Then this is the math class is for you.

Computer Programming Using Visual Basic

Credit: ½ **Prerequisite:** Algebra 2 / Trigonometry

Students will be presented with a brief history of computer programming and computer terminology. Students will develop flowcharts and sharpen problem-solving skills. They will be expected to analyze current programs for flaws as well as create their own programs using Visual Basic computer programming language. Looping, arrays, sorting and other topics will be explored. Students should be interested in problem solving. At the end of the course students will take a school final.

SCIENCE

Astronomy **Credit:** 1 **Prerequisite:** Earth Science

The major topics in this course include celestial motions, the solar system, the origin of the universe, the history of astronomy, and the exploration of assorted space phenomena. The course will be project and presentation based and will include regular quizzes, a mid-term and a final exam. Students will be expected to engage in a variety of activities which will enable them to develop a better understanding of astronomy in addition to improving their critical thinking skills.

ART

Cartooning/Illustration **Credit:** ½ **Prerequisite:** None

Cartooning Illustration is an elective course of study in art designed for both art and non-art majors that can be taken as soon as the ninth grade year. Cartooning looks into the basic tools and materials used by the cartoonist/illustrator as well as techniques for successful drawing of cartoons from basic shapes to development of backgrounds, situations, and stories. Students are encouraged to utilize individual style and creativity in designing characters, one- panel gag cartoons, caricatures, and political-editorial pieces.

BUSINESS

Advanced Electronic Information Processing (AEIP) – PORTFOLIO II

Credit: 1 Prerequisite: Electronic Info. Processing Rec. Gr. Level: 11,12

A one-unit full semester course that emphasizes development of employability skills. Materials are presented to prepare students to meet project deadlines in the working world. Students will continue their computer work with InDesign, PhotoShop and Windows Movie Maker. Projects will include the layout and design of brochures, newsletters, magazine covers, and book covers, movie posters, business cards, mail merge and a movie. AEIP is part of the Computer Technology and College Prep Career Pathways.

Personal Business Mgmt. Credit: ½ Prerequisite: None Rec. Gr. Level: 9-12

This course offers students the chance to explore Small Businesses. We will learn about researching markets, start-up costs, bookkeeping procedures and insurance along with the pros and cons of owning or managing your own business. Guest speakers will be used to reinforce concepts. Business computer applications will be included using PC's. Students will prepare a business plan for a fictitious business.

FAMILY & CONSUMER SCIENCE

Interior Design Credit: ½ Prerequisite: None

This is a course in which the student assumes the role of an interior designed/decorator. After studying influences on design and architecture the student will plan the complete interior design of a project including the financing of the project. Various careers will be studied throughout the course.

TECHNOLOGY EDUCATION

Construction Systems Credit: ½ Prerequisite: None Rec. Gr. Level: 10-12

This course can be used as 1/2 unit of the one unit requirement in the systems courses for completion of a Technology Education sequence. In Construction Systems students will learn of the societal, environmental and economic impact of construction on our daily lives. They will study the resources, processes and products used in construction. They will experience hands-on activities in planning, framing, roofing, siding, insulation and interior finishing in the construction of a structure.

Communication Systems Credit: ½ Prerequisite: None

This course may be used as 1/2 unit of the one unit requirement in the systems courses for completion of a Technology Education sequence. This course is designed to introduce and explore the highly complex and diversified areas of both Graphic and Electronic Systems through presentations, demonstrations and laboratory activities. In the graphics area we will explore various means of printing processes--silk-screen and offset press. The students will be expected to complete laboratory activities of their own selection. The student will also gain awareness of Electronic Communication Systems through the generation of products such as audio recordings, video recordings, text generated by a computer, graphics generated by a computer and the possibility of producing a slide tape show. This course can lend itself to field trips and guest lectures on how communication relates to social, environmental and economic relationships. Career opportunities of today will also be explored.

Digital Video Production 2 Credit: ½ Prerequisite: Digital Video 1

Level 2 is a course that builds off of Digital Video 1 and allows students to produce and edit their own production using computer effects to achieve professional quality videos. As time permits, students will tape and edit special events for the school district.

2011-2012 Course Offering Summary for Grades 9-12

ENGLISH

English 9
English 9HR
English 10
English 10HR
English 11
English 11 HR
NUSTEP Eng 100 Intro to Lit.

Sr. Writing Courses – Select one

Sr. Vocational English (1/2)
Essentials of Writing (1/2)

Sr. Literature Courses- Select one

Teens in Modern Literature (1/2)

War in Literature (1/2)

Book and Film (1/2)

Mythology (1/2)

English Electives

Public Speaking/Debate (1/2)

Creative Writing (1/2)

SOCIAL STUDIES

Global Studies 1

Global Studies 2 R

US History & Government R

US History AP (2)

World History AP (2)

US Government & Politics AP

Economics (1/2)

Participation in Government (1/2)

Social Studies Electives

Psychology (1/2)

International Studies (1/2)

Intro to Legal Studies (1/2)

History in Cinema (1/2)

MATH

Integrated Algebra 1

Algebra HR

Geometry HR

Geometry

Applied Geometry

Personal Finance

Intermediate Algebra

Algebra 2 & Trigonometry

Algebra 2 & Trigonometry HR

Pre-Calculus

General Calculus

Calculus

AP Calculus (2)

SCIENCE

Earth Science

Pre Biology

Living Environment

Living Environment HR

Physics

General Physics

Physics HR

Chemistry

Chemistry HR

NUSTEP CHE 111 (Adv.Chem.I)

Advanced Chemistry II

Environmental Science

Anatomy & Physiology

NUSTEP Biology 102

LOTE

French 2

French 3

French 4

NUSTEP French 104

German 2

German 3

German 4

HC German 103

Spanish 2

Spanish 3

Spanish 4

NUSTEP Spanish 104

ART

Studio in Art

Painting & Drawing

Adv. Painting & Drawing (1/2)

Ind. Stud. Painting & Drawing (1/2)

Ceramics 1 (1/2)

Ceramics 2 (1/2)

Advertising Design (1/2)

Printmaking (1/2)

Creative Crafts (1/2)

MUSIC

Chorus 1 (1/2)

Select Chorus (1/2)

Orchestra

Jazz Studies (1/2)

Symphonic Band

Wind Ensemble

Music Theory

Theatrical Performance & Production (1/2)

Music In Our Lives

HEALTH & PHYS. EDUCATION

Sr. High Health (1/2)

Happiness 101 (1/2)

CPR & First Aid (1/2)

Lifeguarding (1/2)

Phys Ed 9 (1/2)

Phys Ed 10 (1/2)

Phys Ed 11 (1/2)

Phys Ed 12 (1/2)

BUSINESS/COMPUTER EDUC.

Career & Financial Management (1/2)

Keyboarding Applications (1/2)

Business Analysis/Bus. Computer Apps.

Electronic Information Processing-EIP

Accounting

Advanced Accounting

Web Page Design (1/2)

Business Law (1/2)

Sports Marketing (1/2)

ECC College Success Skills (1/2)

ECC Comp Appl. College Bound Student (1/2)

FAMILY & CONSUMER SCIENCE

Food & Nutrition (1/2)

Teen Issues / Human Development (1/2)

World of Fashion (1/2)

Food Preparation (1/2)

Gourmet Foods 1 (1/2)

Gourmet Foods 2 (1/2)

Family Safety / Parenting (1/2)

Child Development (1/2)

TECHNOLOGY EDUCATION

Manufacturing Systems (1/2)

Transportation Systems (1/2)

Woodworking (1/2)

Production Research/Plastics (1/2)

Electricity/Electronics (1/2)

Photography (1/2)

Advanced Photography (1/2)

Media Production Technology (1/2)

Digital Video Production 1 (1/2)

World of Technology (Chopper Class)

Design & Drawing for Production

Architectural Dwg./Proj.Pres. Dwg.

Construction Drafting

Manufacturing Drafting

Advanced CAD/Internship

CAREER TECHNICAL CENTERS

Automotive Body Repair 1 (4)

Automotive Body Repair 2 (4)

Automotive Technology 1 (4)

Automotive Technology 2 (4)

Computer Asstd. Design & Drafting 1 (4)

Computer Asstd. Design & Drafting 2 (4)

Construction Technology 1 (4)

Construction Technology 2 (4)

Cosmetology 1 (4)

Cosmetology 2 (4)

Criminal Justice 1 (4)

Criminal Justice 2 (4)

Culinary Arts 1 (4)

Culinary Arts 2 (4)

Diesel Mechanics 1 (4)

Diesel Mechanics 2 (4)

Early Childhood Education 1 (4)

Early Childhood Education 2 (4)

Emergency Medical Services 1 (4)

Emergency Medical Services 2 (4)

Health Careers 1 (4)

Health Careers 2 (4)

Heating, Air Cond./Refrigeration 1 (4)

Heating, Air Cond./Refrigeration 2 (4)

Informational Tech./Computer Syst. 1 (4)

Informational Tech./Computer Syst. 2 (4)

Landscaping 1 (4)

Landscaping 2 (4)

Manufacturing Tech./Engineering 1 (4)

Manufacturing Tech./Engineering 2 (4)

Motor Sport Fabrication 1 (4)

Motor Sport Fabrication 2 (4)

Small Animal Care 1 (4)

Small Animal Care 2 (4)

Small Animal Science 1 (4)

Small Animal Science 2 (4)