

www.edencsd.org

Eden Middle & High School

Curriculum Guide for Students & Parents

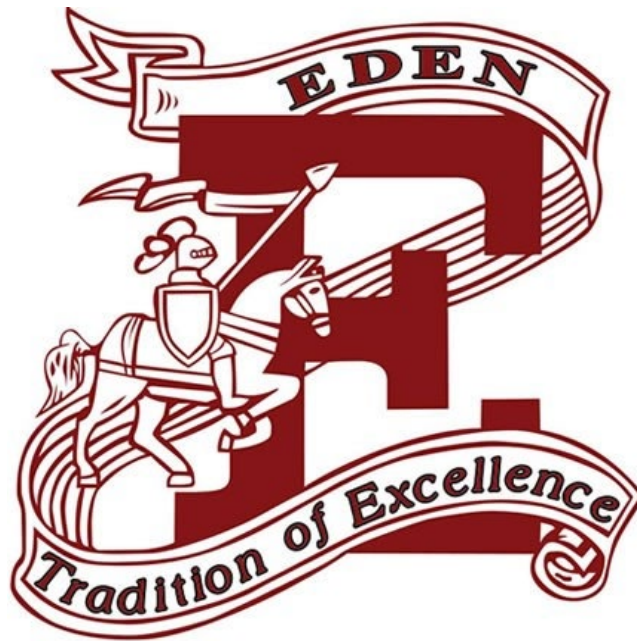
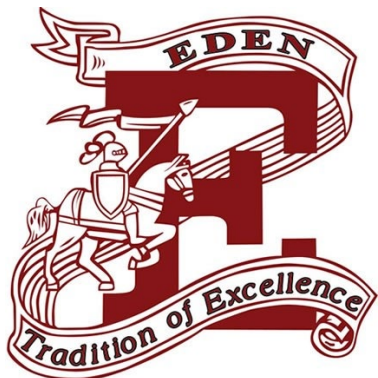


Table of Contents

	Page No.
Parent Letter	3
Master List of Course Offerings.....	4
General Information	5
Information for College-Bound Student Athletes	7
Graduation Requirements.....	8
English Courses	9
Social Studies Courses	12
Mathematics Courses	14
Science Courses.....	18
World Languages Courses.....	21
Art Courses.....	24
Music Courses	25
Health Courses	27
Physical Education Courses	27
Business & Computer Education Courses.....	28
Family & Consumer Science Courses.....	31
Technology & Agriculture Education Courses	32
Career Technical Education Courses.....	37
Course Offerings by Grade.....	40
Counseling Office Information	44



EDEN CENTRAL SCHOOLS

EDEN MIDDLE & HIGH SCHOOL
3150 SCHOOLVIEW ROAD, EDEN, NEW YORK 14057
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Spring, 2026

Dear Students and Parents,

At Eden Middle & High School we recognize that the nurturing of the hearts, minds and bodies of our students is critical to their success in our ever-changing and fast-paced technological world.

Critical information and required courses listed in this Guide appear in red. College-level courses appear in green and our wide-ranging, unique and educational elective courses appear in blue.

Use this curriculum guide as a brief introduction to the high school courses offered at Eden Middle & High School. We are proud to offer classes for everyone in grades 9 through 12: from the **courses required by New York State** to the **most challenging college-level curriculum** to the **essential skills all students need to live independently**, this booklet provides a roadmap for High School students to chart the academic beginning that leads to the rest of their lives. It is critical that both parents and students review the information in this Curriculum Guide and communicate with teachers and counselors after reviewing their child's course requests for next year (viewable in the Parent Portal).

In 2026-2027, we will continue to offer a number of scheduling options for students that proved successful last year. For students in grades 10-12, lunch – with parent permission – may be eaten during a class period. Enforcement of minimum credit requirements for all students in grades 9 through 12 will continue as we believe it prepares our students for the rigor of life after High School.

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. Early dismissal requests from Seniors are privileges and are considered on a case-by-case basis but not automatically granted. We believe this policy is in the best interest of your children and our students and we respectfully request your support in its implementation.

Please contact the guidance office at 992-3601 if you are in need of any additional information.

Sincerely,

Mr. William McDonagh
Principal

Course Offering Summary for All Grades 9-12

(COURSE DESCRIPTIONS FOLLOW...courses are 1 credit or – if noted – ½ credit)

Red listings = required courses

ENGLISH (4 credits required)

English 9
English 9 HR
English 10
English 10 HR
English 11
English 11 HR
HC Eng 101 (this full-year course meets both Essentials of Writing AND Sr. Lit requirements for 12th graders)
CTE English 12 (for voc students)
Raider Academy (1/2)
Sr. Writing Course
Essentials in Writing (1/2) – required for all non-Vocational Seniors
Sr. Literature Course
Senior Literature (1/2) – required for all non-Vocational Seniors
Mythology (1/2)
Book & Film (1/2)
Public Speaking (1/2)
Creative Writing (1/2)
Creative Writing II (1/2)

SOCIAL STUDIES (4 credits required)

Global Studies I
Global Studies I HR
Global Studies II
World History AP
US History & Government
US History AP
US Government & Politics AP
Economics (1/2)
Participation in Government (1/2)
Psychology AP

MATH (3 credits required)

Algebra I
Foundations of Algebra
Advanced Algebra I HR
Geometry Common Core
Advanced Geometry HR
Non-Regents Geometry
Intermediate Algebra
Advanced Algebra II HR
Algebra II Common Core
Pre-Calculus
General Calculus
Calculus AP
Statistics AP
Personal Finance
Java Programming
Logic, Puzzles & Problem Solving (1/2)
Trigonometry NR (1/2)
CTE Math 11 (1/2)
CTE Math 12 (1/2)

Green listings = college credit course options

SCIENCE (3 credits required)

Earth & Space Science + Lab (count as 1.5 credits on scheduling worksheet)
Life Science: Biology + Lab (1.5)
Life Science: Biology HR + Lab (1.5)
Physics + Lab (1.5)
Physics HR + Lab (1.5)
Chemistry + Lab (1.5)
Chemistry HR + Lab (1.5)
NUSTEP Chemistry 111 (aka Adv. Chem. I)
Advanced Chemistry II
NUSTEP Biology 102
Physics in Action
Environmental Science
Anatomy & Physiology
Astronomy
Forensics (1/2)
Zoology
CTE Science 11 (1/2)
CTE Science 12 (1/2)

WORLD LANGUAGES (1 credit required, 3 for college-bound students)

French 1B
French 2
French 3
French 4
French 5 (HC French 201)
German 1B
German 2
German 3
German 4
German 5 (HC German 201)
Spanish 1B
Spanish 2
Spanish 3
Spanish 4
Spanish 5 (HC Spanish 201)

ART (1 credit art or music required)

Studio in Art (meets NYS Art & Music requirement)
Studio in Painting & Drawing
Studio in Ceramics I (1/2)
Studio in Ceramics II (1/2)
Creative Crafts (1/2)
Advanced Drawing & Painting (1/2)
Jewelry (1/2)

MUSIC (1 credit music or art required)

Chorus 1 (1/2) (counts ½ credit toward 1 NYS Music & Art credit requirement)
Select Chorus (1/2)
The following performing groups all meet the NYS Music / Art requirement:
Orchestra
Band

Blue listings = elective courses (4.5 credits required)

HEALTH &

PHYS. ED (2.5 credits required)

Sr. High Health (1/2)
ECC Lifeguarding (1/2) \$85 fee (participants must be at least 15 years old)
Phys Ed 9 10 11 12 (1/2 credit each)
Strength & Conditioning
Health & Wellness

BUSINESS/COMPUTER EDUC.

(1 credit required)

Keyboarding Applications (1/2)
Digital Applications (ECC Credit Option)
Career & Financial Management (1/2)
Marketing (1/2)
Video Game Design (1/2)
Intro to Law (1/2)
Intro to Accounting (1/2)
Web Page Design (1/2)
ECC College Acctg (1/2) (ECC Credit Option)
ECC College Law (1/2) (ECC Credit Option)
College Success Skills (1/2) (ECC Credit Option)
Intro to Business (1/2) (ECC Credit Option)

FAMILY & CONSUMER

SCIENCE

Food Prep (1/2)
Gourmet Foods (1/2)

TECHNOLOGY EDUCATION

Woodworking (1/2)
Electricity/Electronics (1/2)
Photography (1/2)
Advanced Photography (1/2)
World of Technology (Chopper Class)
Design & Drawing for Production (meets NYS Art & Music requirement)
Architectural Dwg. / Proj. Pres. Dwg.
Construction Drafting
Advance Revit / Architecture Internship (1/2)
Tech Diesel
Motorsports (1/2)
Vehicle Maintenance / Ownership (1/2)
Tech Science / Hydroponics (1/2)
Applied Design (1/2)
Home Repair/Maintenance (1/2)

VOCATIONAL PROGRAMS

Please see the descriptions at end of this guide for all of the Career Technical Ed programs available to students when they enter Grade 11.

General Information

REQUIRED COURSES AND ITEMS OF CRITICAL IMPORTANCE ARE LISTED IN RED IN THIS CURRICULUM GUIDE. IF YOU SEE A LISTING IN RED YOU MUST TAKE AND PASS THAT CLASS AND EXAM IN ORDER TO MEET THE HIGH SCHOOL DIPLOMA REQUIREMENTS FOR NEW YORK STATE AND EDEN CENTRAL SCHOOLS.

NEW AND ELECTIVE COURSES ARE LISTED IN BLUE IN THIS CURRICULUM GUIDE. A NEW OR ROTATING COURSE WILL RUN ONLY IF A MINIMUM NUMBER OF STUDENTS REQUEST IT.

ADVANCED PLACEMENT AND COLLEGE LEVEL COURSES ARE LISTED IN GREEN IN THIS CURRICULUM GUIDE. TUITION COSTS OR EXAM FEES WILL APPLY. PAYMENT MUST BE MADE IN FULL BY DEADLINE IN ORDER TO QUALIFY FOR COLLEGE CREDIT.

MINIMUM GRADE POINT AVERAGE MUST BE MAINTAINED IN ORDER TO QUALIFY FOR COLLEGE CREDIT.

WAIVERS MAY BE AVAILABLE FOR STUDENTS WHO QUALIFY FOR FREE OR REDUCED PRICE LUNCH. SEE YOUR COUNSELOR IF YOU ARE ELIGIBLE FOR FREE OR REDUCED LUNCH!

- **School procedure requires a student to take a minimum of 6.5 academic units each year.**
- Letter designations used to qualify various courses are to be interpreted as follows:
 - HR = An Honors Regents Class for accelerated students; work is faster paced and enriched
 - AP = Advanced Placement (fee-based exam is taken in May of school year); considered college-level
- 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 courses 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 School Messenger 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 (Hilbert, 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 September and February with the final rank being listed on their transcripts after graduation. The Valedictorian and Salutatorian are determined based on the February ranking.

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 and 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.

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	F=64 & below
A = 96	B = 88	C = 78	D = 68	
A- = 93	B- = 83	C- = 73	D- = 65	

NYS EXAMS - INDEPENDENT REVIEW

If a student fails a NYS Regents exam but passes the course, or if a student wishes to improve his/her grade on a NYS exam, the student may make arrangements with the appropriate subject teacher to independently review for the exam. This review can be done at a time mutually convenient for the student and the teacher, depending on availability. 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 before the NYS exam can be taken.

CHALLENGING OF NYS 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:

- The student has met with his/her guidance counselor by March 1 for a full-year course.
- 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.
- 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.
- The student must earn a score of at least 85% on a NYS 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 will be considered High School courses UNLESS tuition is paid by the appropriate deadline and grade minimums are met. See separate NUSTEP brochure or your counselor for details.

College-level courses are also available in our school through Erie Community College, Bryant & Stratton and Hilbert College. Please see course descriptions and your counselor for more details.

IMPORTANT INFORMATION FOR COLLEGE-BOUND 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.

CAUTION: 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 pursue a D1 or D2 college sport, please contact your child’s counselor as soon as possible to discuss the eligibility requirements. Prospective Division 1 & Division 2 athletes MUST earn a minimum SAT score AND grade-point-average in approved Eden Middle & High School classes to be eligible to participate in collegiate athletics.

Minimum Graduation Requirements

<u>Subject Area:</u>	<u>Minimum Credits:</u>	<u>5 NYS Exams Required To Pass:</u>
English Language Arts	4 Credits	English 11 Language Arts Exam
Social Studies	4 Credits	Global 2 + US History Exams
Mathematics	3 Credits	Integrated Algebra Exam
Science	3 Credits	One Science Exam
World Languages	1 Credit	
Art and/or Music	1 Credit	
Health	½ Credit	
Physical Education	2 Credits	
Digital Applications	1 Credit	
Electives	4 ½ Credits	
MINIMUM TOTAL	24 Credits	

Note: New “4+1” exam options and/or student appeals for consideration of a Regents exam score below 65 may apply in rare instances. See your counselor for more details.

In order to graduate from Eden Middle & 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. In accordance with the NYS Board of Regents, exceptions are made for Regents exam scores only for students who have an Individualized Education Plan (IEP) as determined by Eden’s Committee on Special Education (CSE).

NYS Regents Diplomas are granted for all General Education students who meet the minimum credit requirements and who pass five required Regents or NYS approved exams with a minimum score of 65 (ask your child’s counselor for information about exceptions to these minimum requirements that are extended to students who are eligible to receive Special Education services).

Students pursuing a Regents diploma must score a minimum of 65% on five required Regents (or NYS approved) 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 World Languages (min. score of 65% on Comp Level III exam) **OR** by taking at least 5 units of sequential coursework in one of the following departments: Technology, Business, Family & Consumer Science, Music or Art.

*A minimum score of 65% on NYS Algebra, Geometry AND Algebra II exams

*A minimum score of 65% on an additional physical science exam (one must be Living Environment).

*Students will receive an **Advanced Regents Diploma “with Honors”** if their average NYS exam scores are 90 or above.

*Students will receive designations of **“Mastery”** on their diploma by earning scores of 85 or higher on three of their NYS exams in Math and/or Science.

Most Eden students far exceed the minimum requirements for graduation...set your bar high!

English Courses

All students entering grades 7 - 12 are encouraged to read two books selected from the department's Summer Reading List. This reading list will be distributed to all students prior to summer vacation. All English teachers will evaluate summer reading during the first quarter. All students transferring into Eden should secure a copy of the Summer Reading List from their guidance counselor. Students who submit evidence of reading books will receive additional course credit.

English 9

Credit: 1

Prerequisite: None

This course encompasses reading, writing, speaking, listening, research and critical thinking skills. Students will continue to work on writing technique by completing various writing assignments involving literary commentary and analysis as well as persuasive arguments. Literature will include various genres which may include short stories, poetry, fiction, non-fiction and dramas.

English 9HR

Credit: 1

Prerequisite: See special honors criteria below

The English 9HR course is similar to that of English 9, but is in greater depth and detail. More authors and pieces of literature are studied, and additional writing assignments supplement the course.

Honors Criteria: Students will be invited to apply for honors English classes based on recommendations from their 7th and 8th grade ELA instructors. Critical thinking skills, technical skills, writing skills, reading comprehension, work ethic and past academic performance are the criteria for selection. Students must maintain a minimum of an 88 average in order to remain in Honors English courses.

English 10

Credit: 1

Prerequisite: English 9

This course includes the study of literature and the development of skills in writing, vocabulary, listening, and speaking. The literature includes various genres including fiction, nonfiction, poetry and drama. The writing assignments involve literary commentary and analysis as well as persuasive argument.

English 10HR

Credit: 1

Prerequisite: Min. 88% average in English 9HR and/or Teacher Rec.

This course is designed to challenge the ability of the honors student. The basic framework of the course is similar to that of English 10. Summer reading is required. Also, additional authors and pieces of literature are studied, and additional projects and papers are written.

English 11

Credit: 1

Prerequisite: English 10

This course is designed to be a companion to American History. A survey of American Literature beginning with the Colonists up to and including the modern era is studied in some depth. Furthermore, novels are to be read outside of class. In addition, longer works read in class include the play, The Crucible, by Arthur Miller, and the novel, To Kill A Mockingbird, by Harper Lee. Writing will concentrate on multiple paragraph essays in preparation for the essays students will be expected to write on the Regents exam. Finally, fifteen weekly vocabulary units and practicing past English Regents exams will complete the course requirements.

Passing this course and the NYS exam are required in order to earn a High School diploma.

English 11HR

Credit: 1

Prerequisite: Minimum 88% average in English 10HR and/or Teacher Rec.

English 11 Honors challenges students to develop advanced reading, writing, and critical thinking skills through an in-depth study of literature, nonfiction, and academic writing. The course emphasizes analytical and argumentative writing, research techniques, and literary analysis of American and world texts. Students are expected to engage in thoughtful discussions, complete rigorous assignments, and demonstrate consistent academic effort to maintain the required 88 average. A major focus of the first semester is preparation for the NYS Regents Examination in English Language Arts, which students will take in January. This course fosters independence, intellectual curiosity, and a deeper appreciation for the power of language.

SENIOR ENGLISH REQUIREMENTS

All seniors (except those enrolled in **HILBERT ENG 101** college-level English course) are required to take both the **Essentials in Writing** course as well as a **Senior Literature** course. Vocational students earn 1 credit of English as part of their CTE program outside of the High School. However, they are strongly encouraged to take Eden writing and literature classes to help better prepare them for college-level writing and reading skills. Students taking HILBERT English may take additional literature courses as electives but **DO NOT** take Essentials of Writing or Senior Literature as the content of both classes are addressed by the HILBERT curriculum.

HC ENG 101 Hilbert College English

Credit: 1

Prerequisite: Minimum 88% average in English 11HR and Teacher Rec.

Students will develop, organize, and refine the persuasive essay in all its forms, utilizing BOTH MLA and APA format. The students will learn the basic elements of an effective persuasive essay, along with the different forms of persuasion (classification, compare and contrast, cause and effect). In addition, the students will practice the writing process for every written piece: prewriting, outlining, writing of the rough draft, peer editing, revising, and publishing. **In all, the students will produce 20+ polished pages culminating in a full-blown research paper and presentation.** Furthermore, homework, quizzes and one test accompany an extensive grammar and punctuation unit. Students will be encouraged to become lifelong readers through examining the basic structural and thematic elements that govern various genres in literature. **Students may opt to pay the discounted Hilbert College tuition and be eligible to earn 3 college credits from Hilbert College (transfer of credits between colleges is subject to the discretion and approval of individual colleges and universities).**

Essentials in Writing

Credit: ½

Prerequisite: English 11

This class is required for all non-Vocational Seniors. 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.

Senior Literature**Credit: ½****Prerequisite: English 11**

This class is required for all non-Vocational Seniors. This course will prepare students to analyze, deconstruct, dissect and discuss all manner of literature. Titles and themes discussed will vary by teacher but the curriculum for this class will prepare all students for a lifetime of appreciation for all manner of literature.

English Department Electives:**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 9**

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. Note: 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.

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 9**

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.

Creative Writing II**Credit: ½****Prerequisite: Creative Writing**

This course is designed for those who have successfully completed Creative Writing. It is designed to further develop creative writing skills in both poetry and prose. Students will hone in on various literary writing techniques and continue to work in a writers' workshop format, working on their own and others' writing pieces.

Raider Academy**Credit: ½****Prerequisite: None**

This half year course will educate and prepare students for a successful transition into high school, helping students to develop a growth mindset. The class utilizes project-based learning, while providing a supportive environment that promotes responsibility, and fosters skills necessary for future success in high school and ultimately, college and careers. The Raider Academy experience may include: technology-based learning, current events, personal bank account, journals, group activities, guest speakers, public speaking and will end with a final project.

Social Studies Courses

Global Studies 1

Credit: 1

Prerequisite: Social Studies 8

This course provides 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. Between Global 1 and Global 2, this comprehensive 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, economic development, basic geography, and the regions within the global context. **An Honors version of this course is available for students who plan to take World History AP in 10th grade. Students who want to take the 9th grade Honors course will need to have earned a minimum grade of 88 in Social Studies 8 and be recommended by their 8th grade Social Studies and English teachers.**

Global Studies 2

Credit: 1

Prerequisite: Global Studies 1

Picking up where Global 1 leaves off, Global Studies 2 will prepare students for the NYS Comprehensive Regents Examination that is offered at the end of this course. **Sophomores must pass both the NYS Exam AND this course in order to meet NYS High School Diploma Requirements.** (“4+1” Regents exam pathway may apply to some students.)

World History AP

Credits: 1

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 is approximately \$100 (see your counselor for a fee reduction application if you are eligible for free or reduced lunch!)**

United States History & Gov’t.

Credit: 1

Prerequisite: AP World or Global 2

This is a required course focusing on 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. **Juniors must pass both the NYS Exam AND this course in order to meet NYS High School Diploma Requirements.**

United States History AP

Credits: 1

**Prerequisite: 88% min. avg. in Global 2 OR
World History AP + 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 is about \$100 (see your counselor for a fee reduction application if you are eligible for free or reduced lunch!)**

US Gov't. & Politics AP

Credit: 1

**Prerequisite: Teacher Rec. & 88% min. avg. in US
History OR AP 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. **This course is designed for Seniors and satisfies the NY State Participation in Government course requirement for graduation.**

The fee for the AP exam is about \$100 (see your counselor for a fee reduction application if you are eligible for free or reduced lunch!)

Economics

Credit: ½

Prerequisite: U.S. History

This course is for Seniors only. 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. **This course is required for all Seniors.**

Participation in Government

Credit: ½

Prerequisite: U.S. History

This course is for Seniors only 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. **This course is required for all Seniors.**

Social Studies Department Electives:

Psychology AP

Credit: 1

Rec. Gr. Level: 11,12

This is a rigorous course intended for college-bound Juniors and Seniors who want to deeply explore the discipline of Psychology. **Topics will be aligned with the Advanced Placement curriculum and students are required to pay for and take the AP Psychology exam in May. The fee for the AP exam is about \$100 (see your counselor for a fee reduction application if you are eligible for free or reduced lunch!)**

Mathematics Courses

New York State requires that all students use a graphing calculator on the final state exam. Calculator proficiency will be emphasized in all courses. It is recommended that each student have his/her own calculator to be used at home for completion of homework. Please note: The calculator cannot have a CAS system that does symbolic manipulation (such as the TI-89, TI-86 and TI-92 and some TI “Inspire” models). Calculators that communicate with other calculators are likewise prohibited, as are smartphones and smartphone app simulators. Ask your current math teacher if you have any questions!

The Honors Math program is offered to students based on teacher recommendation, past academic performance, NYS math assessment grades, reading comprehension, critical thinking skills, work ethic, and school attendance. See your counselor or math teacher for more details.

Algebra 1

Credit: 1

Prerequisite: Math 8

Elementary algebra will be explored and will include linear, quadratic and exponential functions. Students will also get concentrated work in probability and statistics. Students will use multiple problem solving strategies to work with equations in both algebraic and graphical solutions. They will encounter many real life applications to emphasize the concepts modeled in class.

Students must pass both this course & NYS Algebra exam in order to meet NYS High School Diploma Requirements.

Foundations of Algebra

Credit: 1

Prerequisite: Math 8 Teacher Recommendation

This course is designed for 9th grade students who need to build a stronger foundation for success before moving on to Algebra 1 in 10th grade. Students will focus on the absolute basics of the concepts that will be built upon in Algebra 1. A local assessment will be given in June.

Advanced Algebra 1 Honors

Credit: 1

Prerequisite: Math 7HRS

This is the accelerated program for 8th grade students who have been invited to participate by the Math Department. The curriculum is fast-paced and rigorous. Students will complete the entire Algebra 1 curriculum in addition to topics that have not previously been taught. Graphing calculators are state mandated for use in this course and for the Algebra exam, which is given in June at the end of this course (please see the Calculator statement above). **Students must pass both this course & NYS exam in order to meet NYS High School Diploma Requirements. Any student who receives a grade below 85 for two consecutive quarters may be removed from this Honors class and placed in traditional Algebra 1.**

Geometry Common Core**Credit: 1****Prerequisite: Algebra I**

This Regents Geometry course is for the **10th grade** students who have successfully passed the Algebra 1 exam. It is the second course in the traditional High School math sequence. Emphasis will be on solid geometry, Euclidean geometry involving proofs, principles of logic and analytic geometry. Constructions, transformations, geometry of the circle and trigonometry are also focal points. At the end of the course, students will sit for the NYS Common Core Geometry exam. Graphing calculators are state mandated for use in this course as well as on the final exam. Passing the final exam is a requirement for moving to the Algebra 2 Common Core class.

Advanced Geometry Honors**Credit: 1****Prerequisite: Algebra 1 Common Core + teacher recommendation**

This Geometry course is for students who have successfully passed the Algebra I exam. It is the second course in the traditional High School math sequence. Emphasis will be on solid geometry, Euclidean geometry involving proofs, principles of logic and analytic geometry. Constructions, transformations, geometry of the circle and trigonometry are also focal points. At the end of the course, students will sit for the NYS Common Core Geometry exam. Graphing calculators are state mandated for use in this course as well as on the final exam. Passing the final exam is a requirement for moving to the Algebra 2 Common Core class. **Any student who receives a grade below 85 for two consecutive quarters may be removed from this Honors class and placed in traditional Algebra 2.**

Non-Regents Geometry**Credit: 1****Prerequisite: Algebra I exam**

This course is intended for the student who has successfully passed the State's requirement for graduation (the Algebra 1 exam) and who wants to take a gentler version of the Common Core Geometry class. Focus will be on the application of geometric concepts as opposed to the proof-based geometry of the Common Core course. At the end of the course there will be a teacher-developed final exam.

Intermediate Algebra**Credit: 1****Prerequisite: Two Math Credits**

This course is intended for college-bound Juniors who plan to take the SAT exam but who feel they are not mathematically ready for Algebra II. It will focus on building a strong foundation of algebra skills up through the Algebra 2 level. As this is a non-regents math class, a teacher-developed final exam will be given at the conclusion of the course.

Upper Level Math Courses [& Math Electives:](#)**Algebra II****Credit: 1****Prerequisites: Geometry**

This course is for the student who has successfully completed the Geometry class and who scored at least a 65% on the final state exam. It is the third course in the traditional State math sequence. Emphasis will include number systems, polynomials, absolute value, exponentials, logarithms, sequences and series and statistics. Graphing calculators are state mandated for use in this course as well as on the exam in June. **At the end of the course the students will take the NY State Algebra II exam. Passing the Algebra II exam is a requirement for the Advanced Regents Diploma.**

Advanced Algebra 2 Honors Credit: 1 Prerequisites: Mastery in Geometry + Teacher Rec.

This course is for the student who successfully completed the Geometry Common Core Honors class and passed the state exam with Mastery. It is the third course in the traditional State math sequence. However, as it is the honors course it will be more rigorous. This course is intended for students who plan to take Pre-Calculus, Calculus and AP Statistics in their Junior and Senior years. Emphasis is on number systems, polynomials, absolute value, exponentials, logarithms, sequences and series and statistics. Students will take the Common Core Algebra II exam at the end of this course. Graphing calculators are state mandated for use in this course as well as on the exam in June.

Any student who receives a grade below 85 for two consecutive quarters may be removed from this Honors class and placed in traditional Algebra 2.

At the end of the course the students will take the NY State Algebra II exam.

Passing the Algebra II exam is a requirement for the Advanced Regents Diploma.

College Pre-Calculus Credits: 1 Prerequisite: Algebra II

A rigorous course that prepares students to take college-level calculus through the in-depth study of functions and mathematical modeling. Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions, as well as analytic geometry and introductory limits. Emphasis is placed on algebraic fluency, graphical analysis, and problem solving. Students develop the conceptual understanding and skills necessary for success in college mathematics and related fields. Students can pay to take this course for college credit or just take it as a preparatory course for AP Calculus or college calculus.

College Calculus (AP) Credits: 1 Prerequisite: Pre-Calculus

A rigorous course that builds students' understanding of limits, derivatives, and integrals and their applications. Students explore rates of change, accumulation, and mathematical modeling using algebraic, graphical, and numerical methods. Emphasis is placed on conceptual reasoning, problem solving, and clear mathematical communication. Students can choose to pay to use this course for AP Calculus exam, dual enrollment college credit, or not pay and use the course to prepare for continued study in college-level mathematics and STEM fields.

The fee for the AP exam is around \$100 (see your counselor for a fee reduction application if you are eligible for free or reduced lunch).

College Statistics (AP) Credits: 1 Prerequisite: Algebra II (or Honors with teacher approval)

The purpose of this course is to introduce students to the collection, analysis, and interpretation of data. Topics include descriptive statistics, probability, random variables, sampling and experimental design, and statistical inference. Students use real-world data to develop statistical reasoning and make evidence-based conclusions. Students can choose to pay to use this course for the AP Statistics exam, dual enrollment college credit, or not pay and use the course to prepare for further study in college-level mathematics and data-driven fields.

The fee for the AP exam is around \$100 (see your counselor for a fee reduction application if you are eligible for free or reduced lunch).

What Math Course Should I Take?

<p><u>Statistics</u> Psychology Biology (non-pre-med tracks) Sociology Political Science Education Public Health Nursing / Health Sciences Business / Management Marketing Criminal Justice</p>	<p><u>Calculus</u> Engineering (all disciplines) Mathematics / Applied Mathematics Physics Chemistry Computer Science Pre-Med / Pre-Health Architecture Economics Data Science Actuarial Science</p>
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Personal Finance

Credit: 1

Prerequisite: Two Math Credits

This elective course is intended for Seniors (Juniors with approval). Topics include math related to real life, including: everyday banking, managing credit, forming budgets, managing income, paying taxes, understanding insurance and the stock market. A local exam is given at the end of this course.

Logic, Puzzles and Problem Solving

Credits: ½

Prerequisite: 3-Year Sequence

This course is intended for students who have completed their 3-year minimum graduation requirement who loves to solve puzzles and wants to develop the logical portion of the brain. It will explore alternative problem solving techniques using patterns and other strategies to develop solutions to unique problems, riddles and conundrums.

Java Programming (for beginners)

Credit: 1

Prerequisite: 2 math credits

Java provides an excellent environment for the beginning programmer. Students will be able to build useful programs while learning the basics of structured and object-oriented programming techniques. Java is popular among professional programmers as it can be used to build visually interesting graphical user interface (GUI), Web-based and phone applications. This course will serve them well in advanced Java courses or in studying other object-oriented languages such as C++, C#, and Visual Basic.

Trigonometry (Non-Regents)

Credits: ½

Prerequisite: Intermediate Alg. OR Alg. 2

This course is designed for the student who has completed Algebra 2 or Intermediate Algebra and wants to learn more trigonometry without needing to take Pre-Calculus. This class will review the unit circle concepts and then extend into inverse functions, trig equations, trig identities and applications of trig. Other topics may include probability and statistics. A local exam will be given at the end of this half-year course.

Science Courses

Earth & Space Science + Lab

Credit: 1

Prerequisite: None

Counts as 1.5 credits on your scheduling worksheet due to mandatory lab requirement.

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.

Freshman must pass this course & NYS June exam in order to meet NYS High School Diploma Requirements (in some cases, students may meet this requirement by taking and passing the Living Environment course and NYS exam).

Life Science: Biology + Lab

Credit: 1

Prerequisite: Earth Science

Counts as 1.5 credits on your scheduling worksheet due to mandatory lab requirement.

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.

If they have not already met the NYS science exam requirement by passing the Regents Earth Science exam, Sophomores must pass the Living Environment Regents exam in order to meet NYS High School Diploma Requirements.

Life Science: Biology HR + Lab

Credit: 1

Prerequisite: Earth Sci. HR + Teacher Rec.

Counts as 1.5 credits on your scheduling worksheet due to mandatory lab requirement.

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. **The NYS Regents exam is taken in June.**

Physics + Lab

Credit: 1

Prerequisite: Strong Geometry skills

Counts as 1.5 credits on your scheduling worksheet due to lab requirement.

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 Integrated Algebra, Geometry and concurrent registration in an advanced Algebra class or Pre-Calculus. **The NYS Regents exam is taken in June.**

Physics HR + Lab

Credit: 1

Prerequisite: Algebra 2 & Trig.

Counts as 1.5 credits on your scheduling worksheet due to lab requirement.

This course will follow the objectives of the Regents Physics course. In addition, the student will be introduced to Calculus based Physics. **The NYS Regents exam is taken in June.**

Chemistry + Lab

Credit: 1

Prerequisite: Strong Algebra skills

Counts as 1.5 credits on your scheduling worksheet due to mandatory lab requirement.

This course is a study of the theoretical aspects of chemistry and their mathematical applications. The course is divided into ten main units and lab. The main topics are: Matter and Energy, Atomic Structure, Bonding, Periodic Table, Stoichiometry, Kinetics and Equilibrium, Acids and Bases, Reduction and Oxidation, Nuclear chemistry and Organic chemistry. The course of study is geared to the academic student anticipating a science or medicine-related major in college. **The NYS Regents exam is taken in June.**

Chemistry HR + Lab**Credit: 1****Prerequisite: Geometry & Biology HR****Counts as 1.5 credits on your scheduling worksheet due to mandatory lab requirement.**

An in-depth analysis of the principals and applications of chemistry. The course follows the NYS PS Chemistry curriculum but with greater rigor and expanded content. The course can be a single chemistry course or it can be used as the prerequisite for NUSTEP/Advanced Chemistry. **The NYS Regents exam is taken in June.**

NUSTEP CHE 111 / 113 L General Chemistry I (Advanced Chemistry I) Credit: 1**Prerequisite: Chemistry, Strong Math Background**

An introduction to the physical and chemical principles that are appropriate for declared and potential college science, pre-med, nursing and engineering majors. This course is introductory college chemistry with topics including matter, atomic structure, bonding, solution chemistry, stoichiometry, molecular structure, thermochemistry, gases and the Periodic Table. The class meets for 2 class periods per day and lab is included in that time. Students may opt to enroll through Niagara University to receive 4 college credits upon successful completion of the course. **The reduced tuition charge for NUSTEP enrollment is \$400 for this 4-credit course. Free and reduced lunch deductions may apply. Transfer of earned credits to other universities is at the discretion of individual college accepting the credit.**

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 the rigor associated with college students. The curriculum focuses on the second semester of college chemistry and has a greater focus on the laboratory setting. Topics to be studied include kinetics, equilibrium, aqueous equilibria, acid/base chemistry, environmental chemistry, modern materials and electrochemistry. Students will be well-prepared for advanced studies in science and medicine upon completion of Advanced Chemistry I & II.

Science Electives:**Environmental Science****Credit: 1****Prerequisite: Living Environment**

Environmental science is the study of monitoring biotic and abiotic characteristics of ecosystems to help students understand interdependent relationships between organisms in order to make management decisions. We will spend time exploring the property around our school, and learn from the organisms within it. We will develop skills to help us analyze these ecosystems, and by the end of the course, you'll be able to use tools for environmental monitoring, identify various organisms, and make sense of scientific research. A walk through the woods will be more meaningful due to your appreciation for the complexity of the world around us.

NUSTEP Biology 102**Credit: 1****Prerequisite: Living Environment**

This course is equivalent to the college course taught at Niagara University. NUSTEP Biology will familiarize students with the principles of college-level Biology. The scientific method, evolution, cells and metabolism, macromolecules, and genetics are the main topics covered. Students will be expected to read and comprehend science textbook passages and use the information to solve problem sets. Students will also perform math calculations necessary to interpret data and solve experimental problems. An overall passing grade of C or better will allow students to earn 3 semester hours of credit from Niagara University provided that the student has paid the tuition fee. **Students may opt to pay the discounted Niagara University tuition cost of \$225 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).**

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.

Forensics**Credit: ½****Prerequisite: Living Environment**

This course will introduce students to the disciplines and techniques of Forensics. Forensic science is the application of science to criminal and civil laws. Forensic scientists collect, preserve, and analyze scientific evidence during the course of an investigation. While some forensic scientists travel to the scene to collect the evidence themselves, others occupy a purely analytical role, performing lab measurements and analysis on objects brought to them by other individuals. Students in this class will learn from hands-on activities the various ways that Forensic Science has become a part of our day to day lives.

Anatomy & Physiology**Credit: 1****Prerequisite: Grade of 85 or Higher on the Regents Living Environment Exam**

This course is designed to offer higher-level 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 immune. 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. This class requires a thorough understanding of biology principles and it is restricted to students who have scored an 85 or higher on the NYS Regents Living Environment exam.

Physics in Action**Credit: 1****Prerequisite: Living Environment**

Physics in Action is a Non-Regents course designed to fulfill the graduation requirement for physical science. The class is a combination of general topics from the fields of chemistry and physics. Major topics include: Structure and Properties of Matter, Chemical Reactions, Forces and Interactions, Energy, Waves and Electromagnetic Radiation. Students will be challenged to think like scientists, strengthening their scientific and engineering practices with an emphasis on exploring science-related vocations and careers.

Zoology**Credit: 1****Prerequisite: Living Environment**

This course will survey the nine major phyla of the kingdom Animalia and develop knowledge in the core disciplinary ideas described in the Next Generation Science Standards (NGSS) including science as inquiry. The objectives of this course are to apply the NGSS Crosscutting Concepts that bridge disciplinary boundaries, uniting core ideas throughout the field of science and engineering.

World Languages Courses

All High School students (with the rare exception of those who have an exemption granted by the Committee on Special Education) are required to pass the “1B” level of their World Language course in order to meet NYS High School diploma requirements. For most Eden students, 1B is completed at the end of 8th grade.

The majority of colleges/universities with four-year degree programs require or strongly recommend that students complete at least a three-year sequence in a foreign language (through High School level 3), and pass the comprehensive exam offered at the end of the 3rd level class, which is usually taken by Sophomores.

Knowledge of a second language improves job opportunities and leads to a greater appreciation of other people and cultures.

Students interested in taking an **additional world language** must complete Level 3 in the first foreign language, and then can Level 1B. If a student completes Level 4 or higher, they will be placed in Level 2.

French 2

Credit: 1

Prerequisite: Pass French 1B & Prof. Exam

This course will review and expand vocabulary and linguistic topics from Level 1B. Students will further develop the interpretive, interpersonal and communicative skill areas as well as culture in French within a variety of contexts. Classroom activities include role-playing situations, projects, oral presentations and use of multimedia and authentic resources.

French 3

Credit: 1

Prerequisite: French 2

This course includes a practical overview of grammar and further development of interpretive, interpersonal and communicative skill areas. Emphasis is placed on developing accuracy in French 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 writing. Meaningful conversation is incorporated through written and oral dialogues and cooperative projects. **Passing the comprehensive examination given upon completion of this course is required by most 4-year colleges and is also required for students pursuing an Advanced Regents Diploma. See your counselor for more details.**

French 4

Credit: 1

Prerequisite: French 3 + a passing grade on the comprehensive exam

This course further develops students' appreciation of the French 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 France and Canada, and will be introduced to excerpts of literature from French and Quebecois authors.

French 5 (HC French 201)

Credit: 1

Prerequisite: French 4

This is a Hilbert College-level French course that will be offered to students wishing to take the final class in the French language sequence. Areas covered in this course include: French culture, conversation, history, written expression and advanced vocabulary. **Students may opt to pay the discounted Hilbert College tuition cost of \$75 per credit hour & \$35 registration fee (3 credit hours = \$260) 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).**

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

This course will review and expand vocabulary and linguistic topics from Level 1B. Students will further develop areas of interpretive, interpersonal and communicative skill areas in German 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 and authentic resources.

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

This course includes a practical overview of grammar and further develop the interpretive, interpersonal and communicative skill areas. 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 writing. Meaningful conversation is incorporated through written and oral dialogues and cooperative projects. **Passing the comprehensive examination given upon completion of this course is required by most 4-year colleges and is also required for students pursuing an Advanced Regents Diploma. See your counselor for more details.**

German 4**Credit: 1****Prerequisite: German 3 + a passing grade on the comprehensive exam**

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.

German 5 (HC German 201)**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 \$75 per credit hour & \$35 registration fee (total for 3 credits and fee = \$260) 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 interpretive, interpersonal and communicative skill areas 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 interpretive, interpersonal and communicative skill areas. 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 writing. Meaningful conversation is incorporated through written and oral dialogues and cooperative projects.

Passing the comprehensive examination given upon completion of this course is required by most 4-year colleges and is also required for students pursuing an Advanced Regents Diploma.

See your counselor for more details.

Spanish 4

Credit: 1 Prerequisite: Spanish 3 + a passing grade on the comprehensive exam

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.

Spanish 5 (HC Spanish 201)

Credit: 1

Prerequisite: Spanish 4

This is a Hilbert College-level Spanish course that will be offered to students wishing to take the final class in the Spanish language sequence. Areas covered in this course include: Spanish culture, conversation, history, written expression and advanced vocabulary. **Students may opt to pay the discounted Hilbert College tuition cost of \$75 per credit hour & \$35 registration fee (3 credit hours = \$260) 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).**

Art Courses

NOTE: NYS High School students are required to earn at least 1 credit in Art or Music. Students desiring an alternative to art classes must take EITHER 1 credit in specific Music classes (see Music Courses) OR Design & Drawing for Production (see the Technology Department section).

Studio in Art

Credit: 1

Prerequisite: None

Studio in Art is your jumpstart into the creative world! In this hands-on class you'll experiment with drawing, painting, sculpture, and more while learning how artists think, solve problems, and make powerful visual art. You'll explore major art movements, build real skills, and discover your own creative voice; it's also the required first step to other art courses, and satisfies a graduation requirement.

This course satisfies the unit of credit in art or music required for graduation. See Music & Tech offerings that also meet this requirement.

Studio in Painting & Drawing

Credit: 1

Prerequisite: Studio in Art

Get ready to explore the world one mark and one brushstroke at a time. This beginner course will introduce the foundations of drawing and painting through hands-on projects, creative challenges, and guided experimentation. Students will learn essential techniques such as shading, perspective, color mixing, brush control, and composition while discovering the power of visual storytelling. Along the way, we'll take inspiration from a wide range of artists and art movements, helping to build confidence, skill, and a personal artistic voice. Whether sketching from observation, painting imagined worlds, or playing with new materials, this class encourages curiosity, creativity, and the joy of making art. Studio in Art is a required first step, as well as having an open mind and a willingness to try something new.

Studio in Ceramics I

Credit: ½

Prerequisite: None

Welcome to the wonderful world of clay. In this beginner ceramics course, students will roll up their sleeves and dive into hand building techniques such as pinch, coil, and slab construction to create a wide variety of functional and decorative pieces. From the first soft handful of clay to the final fired ceramic artwork, students will learn the full cycle of clay from how it's formed, shaped, dried, glazed, to its transformation in the kiln to ceramic. Along the way, the class will explore texture, form, surface design, and creative problem-solving while looking at ceramic traditions and artists from around the world. This is a class for makers who are ready to experiment, build skills, and get a little messy. No prior experience needed. Just bring imagination, patience, and a love of making lots of great things with your hands.

Studio in Ceramics II

Credit: ½

Prerequisite: Studio in Ceramics I

Ceramics 2 takes your clay skills to the next level! Building on the foundations from Ceramics 1, students will explore more advanced hand building with a stronger focus on sculptural form, creative problem-solving, and personal artistic expression. We'll investigate how structure, balance, and imagination can transform clay into a meaningful three-dimensional artwork. In addition, students will learn to wheel throw, the basics of centering, pulling walls, and forming cylinders and simple vessels on the potter's wheel. Ceramics I is a required first step.

Advanced Drawing & Painting

Credit: ½

Prerequisite: Studio in Art

Ready to level up your art skills? This advanced course is all about taking what you already know and pushing it way further. Students will experiment with new materials, bold techniques, and big creative ideas while developing a style that's uniquely their own. From large-scale paintings to detailed drawing studies, you'll create artwork that challenges you, excites you, and makes your portfolio shine.

We'll dig into inspiring artists (past and present), talk about what makes great work, and use critiques to help you grow as a creative thinker. This is a class for students who are ready to take risks, explore their vision, and make impressive, meaningful art. Bring your skills, your imagination, and your best ideas, and the rest we'll build together. Studio in Art and Drawing & Painting I are required first steps.

Jewelry

Credit: ½

Prerequisite: None

In this beginner jewelry class, students will dive into a world of creative wearables. They'll learn fun and versatile techniques like bead weaving, stringing, knotting, wire work, stamping, resin, polymer, upcycling and more. Each project is hands-on and designed to let you experiment, mix materials, and make projects that are uniquely yours.

Creative Crafts

Credit: ½

Prerequisite: None

Step into a world of color, texture, and creativity! In this hands-on class, students will explore traditional folk arts from around the globe, learning techniques like weaving, paper cutting, Ukrainian eggs (Pysanky), and more. You'll discover how artists create stunning, meaningful work without formal training. Each project is designed to be a fun experimentation in patterns, color, and texture while developing a personal unique style. This is the perfect class for makers who want to learn timeless techniques, make eye-catching art, and have a blast doing it.

Music Courses

NOTE: NYS High School students are required to earn at least 1 credit in Music or Art. Students desiring an alternative to music classes must take EITHER 1 credit of Studio in Art (see Art Courses) OR Design & Drawing for Production (see Technology / Ag Courses). Most music students participate for all 4 years of High School.

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

Chorus 1

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. Choral lessons take place outside of the normal class time and are mandatory. Attendance at evening performances and daily advisement rehearsals (every other day) is also mandatory.

This course, taken at least twice in High School, satisfies the unit of credit in art or music required for graduation.

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 rehearsals is mandatory.

This course satisfies the unit of credit in art or music required for graduation.

Band

Credit: 1

Prerequisite: Performance Background/Audition

This group provides an opportunity for music students studying wind and percussion instruments to perform literature of the band repertoire. Meets daily, lessons are required on a rotational basis. Attendance at evening performances is mandatory.

This course satisfies the unit of credit in art or music required for graduation.

Health Courses

Senior High Health

Credit: ½

Prerequisite: None

This is a required course for graduation. In accordance with NY State Education Department regulations, cigarette smoking, vaping, 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 State Education mandates and BOCES recommendations.

Physical Education Courses

Physical Education

Credit: ½

Required ½ unit each year grades 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. Physical education classes are designed to practice and develop skills in activities that help students maintain fitness throughout their lives. Students will understand the benefits that regular exercise can provide for their physical, emotional and mental health. Participation in selected activities such as individualized sports and loco-motor activities also provides for further development of the mental, emotional and social growth of individual students. Grading is based on knowledge, attendance, participation, effort and attitude as well as skills and self-evaluation. Achievement is measured at various intervals through the use of the following: written knowledge tests, skill tests with performance rubrics, and teacher's observation.

This course, taken each year of High School, satisfies the requirement for the 2 units of credit in Physical Education required for graduation.

ECC Lifeguarding

Credit: ½

Prerequisite: For students age 15 and older; students who are already certified as Lifeguards may re-enroll for this class ONLY if their certification expires in the current year.

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.

A FEE APPLIES TO THE CERTIFICATION TEST FOR THIS CLASS. STUDENTS MAY EARN 1 COLLEGE CREDIT THROUGH ECC BY PAYING THE TUITION COST FOR THIS COURSE (FEE TO BE DETERMINED; APPROXIMATELY \$85).

Advanced Health and Wellness

Credit: 1

Prerequisite: MS/HS Health Courses

Advanced Health and Wellness is an elective course that will provide students with a greater understanding of personal health and risk behaviors. Emphasis is placed on providing updated information on substance abuse, communicable diseases, nutrition (especially in college), and fitness. The major goal of the course is to provide students with knowledge and strategies needed to cope with current and future health issues from all sides of the proverbial health triangle. Much content will also induce prevention of said issues/diseases from occurring.

Foundations of Strength/Conditioning

Credit: 1

Prerequisite: MS/HS PE Course

This course aims to enhance muscular strength and endurance. It focuses on fundamental weight training rather than body-building. Students will be introduced to various weight training techniques, methods and principles.

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 high school counselor to see which classes combine to give you college credit.

Career and Financial Management

Credit: ½

Prerequisite: None

You often hear people say that students are not taught how to manage a checking account or they are not prepared for their future. This course is designed to change that because it covers all the essential skills you need. The curriculum is divided into two major sections: Career Exploration and Financial Management. The career section of the course focuses on researching careers, exploring your interests, and start planning what life after high school could look like. The financial section focuses on learning about various investment strategies, planning long term financial goals, understanding how the stock market works, basic economic principles, and learning the pros and cons of credit cards. The students end the course by completing an online simulation which involves choosing a career and a budget.

Keyboarding

Credit: ½

Designed for: 8th Graders

Computer skills are NOT a bonus anymore; they are an EXPECTATION in the workforce and in college! This course is a necessity and a requirement for all students. Keyboarding Applications is 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 and Microsoft Word. In addition to learning to “touch type,” the students will learn how to create a formal business letter, learn about the importance of Internet safety, and work on their formal writing skills by using MLA to format reports that meet the requirements of our English teachers and/or college professors.

Digital Applications (College Credit Option)

Credit: 1

Prerequisite: Keyboarding

Want skills you'll actually use in college and the workplace? In this course, you'll be learning the Microsoft Office Suite which is the same tools used in college classes and real jobs every day. You'll learn how to format MLA reports and business letters in Word, create eye-catching presentations in PowerPoint, analyze data and build charts in Excel, and an introduction to databases using Access. You will also explore layout and design, creating full-page ads, flyers, and professional letterhead that look clean, modern, and impressive. Whether you are heading to college or straight into a career, this course gives you practical, resume-ready skills that set you apart.

Please note: Any Eden High School junior or senior enrolled in this course has the option to participate in Erie Community College's Advanced Studies Program. Through this program, students may earn three college credits from ECC. To qualify, students must pay the course fee and earn a final grade of 75 or higher. These three credits may be transferable to SUNY institutions and many other two- or four-year colleges and universities; however, students are strongly encouraged to verify transfer acceptance with their chosen college. The approximate cost of the course is \$300, and a minimum of four students is required for the course to run for college credit. Please be aware that no fee waivers or discounts are available for ECC college-level courses.

Digital Applications is a required class for all Eden High School students.

Marketing

Credit: ½

Prerequisite: None **Rec. Gr. Level** 10-12

Marketing is all around us! Tweets, likes, emoji: these words did not exist even a decade or two ago and yet they are now part of everyday life and will soon be replaced by the next best technology trend. This course covers marketing in the sports, entertainment, and social media world. Students will reinforce concepts learned in class by watching video and evaluating real life business and marketing disasters. The main topics in this class are as follows: foundation of marketing, product design, pricing and strategies, place decisions, branding, licensing, planning the promotion, advertising and sales promotion, mobile marketing, public relations, and digital marketing tools. You won't regret signing up for this course.

Video Game Design

Credit: ½

Prerequisite: None

Video game design is the process of designing the content and rules of video games in the pre-production stage and also involves designing the gameplay, environment, storyline and characters included in a game. The students will also use an in-depth 3D drawing program called Blender to create their own realistic looking video game characters. This course will provide a complete understanding of the technical and creative aspects of video game design in an easy-to-follow format. Students will learn all aspects of the creative influences and technological components required to launch a new video game.

Web Page Design

Credit: ½

Prerequisite: None

Students, through the use of HTML (Hypertext Markup Language) will learn how to create and maintain their own Web pages. The following aspects will be covered in depth: keyboarding, word processing, graphics, desktop publishing and navigating the Internet with MS Frontpage, Dreamweaver and PhotoShop. This class will provide students with an essential foundation for running their own business.

Intro to Law

Credit: ½

Prerequisite: None

Ever wonder how the law actually affects your everyday life? This course shows you exactly how laws shape the real world from signing contracts and understanding your rights to navigating the court system and making big life decisions like buying a car, renting an apartment, or purchasing a home. A field trip to Buffalo City Court, Family Court, and County Court, where you'll see the legal process in action. By the end of the course, you'll walk away with practical knowledge, confidence in your rights, and skills that will help you avoid legal trouble and make smarter choices now and in the future. This course is **required** for any student who plans to enroll in the ECC College Law class.

Accounting

Credit: ½

Prerequisite: None

Ever thought about running your own business or just want to actually understand where your money goes? Accounting is known as the language of business, and once you learn it, you'll see it show up in everyday life and understand how every successful company keeps track of its money. Through hands-on activities and step-by-step guidance, you'll learn how to record transactions and manage the financial "books" for a sole proprietorship, just like a real business owner. This course is **required** for anyone wishing to enroll in the ECC College Accounting class.

COLLEGE COURSE OPTIONS IN THE BUSINESS DEPARTMENT:

ECC College Accounting Credit: ½ Prerequisite: Intro to Accounting Rec. Gr. Level: 11&12

Ready to take your accounting skills to the next level? This course is for students who have already completed Intro to Accounting and are ready to step into the shoes of a corporate accountant. You'll get hands-on experience managing the finances of a merchandising business organized as a corporation. With a clear, step-by-step approach, the course makes complex concepts easy to understand and brings them to life through practical simulations that mirror real business scenarios.

Please note: Any Eden High School junior or senior enrolled in this course has the option to participate in Erie Community College's Advanced Studies Program. Through this program, students may earn three college credits from ECC. To qualify, students must pay the course fee and earn a final grade of 75 or higher. These three credits may be transferable to SUNY institutions and many other two- or four-year colleges and universities; however, students are strongly encouraged to verify transfer acceptance with their chosen college. The approximate cost of the course is \$300, and a minimum of four students is required for the course to run for college credit. Please be aware that no fee waivers or discounts are available for ECC college-level courses.

College Success Skills

Credit: ½

Rec. Gr. Level 11 & 12

Want to feel confident and ready for college life before you even get there? This course is your ultimate guide to help make a smooth transition from high school to college and beyond. You'll build the academic, personal, and professional skills you need to succeed both in and out of the classroom. You'll learn note taking strategies, managing time, and how to set goals while balancing classes, friends, and activities. You'll also understand college resources, policies, and campus lingo. By the end of the course, you'll be prepared, confident, and ready to handle college challenges.

Please note: Any Eden High School junior or senior enrolled in this course has the option to participate in Erie Community College's Advanced Studies Program. Through this program, students may earn three college credits from ECC. To qualify, students must pay the course fee and earn a final grade of 75 or higher. These three credits may be transferable to SUNY institutions and many other two- or four-year colleges and universities; however, students are strongly encouraged to verify transfer acceptance with their chosen college. The approximate cost of the course is \$300, and a minimum of four students is required for the course to run for college credit. Please be aware that no fee waivers or discounts are available for ECC college-level courses.

ECC College Law

Credit: ½

Prerequisite: Intro to Law

Rec. Gr. Level 11 & 12

Ready to level up your law skills? This course is designed for students who have successfully completed Intro to Law and want to dive deeper into how the law affects everyday life. You will build on what you already know while exploring real-world topics like business structures, credit protection, employment laws, bankruptcy, scams, and identity theft. Through interactive lessons, real-life case examples, and practical strategies, you'll learn how to spot legal red flags, avoid costly mistakes, and make smart, informed decisions.

Please note: Any Eden High School junior or senior enrolled in this course has the option to participate in Erie Community College's Advanced Studies Program. Through this program, students may earn three

college credits from ECC. To qualify, students must pay the course fee and earn a final grade of 75 or higher. These three credits may be transferable to SUNY institutions and many other two- or four-year colleges and universities; however, students are strongly encouraged to verify transfer acceptance with their chosen college. The approximate cost of the course is \$300, and a minimum of four students is required for the course to run for college credit. Please be aware that no fee waivers or discounts are available for ECC college-level courses.

ECC Intro to Business

Credit: ½

Rec. Gr. Level 10, 11 & 12

Ever wondered how companies really work or dreamed of starting your own someday? You will explore exciting topics like marketing, finance, management, and entrepreneurship while learning how brands are built, money is made, and ideas turn into successful companies. Whether you're heading to college, planning a career, or thinking about being your own boss one day, this course gives you a smart head start and a taste of the business world before you leave high school.

Please note: Any Eden High School junior or senior enrolled in this course has the option to participate in Erie Community College's Advanced Studies Program. Through this program, students may earn three college credits from ECC. To qualify, students must pay the course fee and earn a final grade of 75 or higher. These three credits may be transferable to SUNY institutions and many other two- or four-year colleges and universities; however, students are strongly encouraged to verify transfer acceptance with their chosen college. The approximate cost of the course is \$300, and a minimum of four students is required for the course to run for college credit. Please be aware that no fee waivers or discounts are available for ECC college-level courses.

Family & Consumer Science Courses

Food Preparation & Nutrition

Credit: ½

Prerequisite: None

Rec. Gr. Level: 10-12

Students will learn basic nutrition and food preparation skills. This class includes food safety and sanitation, meal management, food purchasing and food preparation techniques. Using hands-on food labs, students will learn to prepare quick breads, yeast breads, fruits, vegetables, dairy products, eggs, meat, poultry as well as seasonal specialties. Additional topics will address food-related illnesses and exploration of careers in the culinary industry.

Gourmet Foods

Credit: ½

Prerequisite: Food Prep & Nutrition

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. The course will include the instruction of knife skills, preparation of stocks, soups and sauces. Also, students will learn how to bake cakes, pies and specialty desserts. Herbs and spices will be discussed and utilized while students prepare meat, fish and poultry dishes.

Technology Education Courses

TechScience / Hydroponics

Credit: ½

Prerequisite: None

Rec. Gr. Level: 10-12

“Hydroponics” is a method of growing plants using mineral nutrient solutions, in water, without soil. “TechScience” is the farming of aquatic organisms such as fish and aquatic plants. The method of teaching in this class can be summarized in one statement: “Doing is Learning.” This hands-on course will focus on the growing and processing of fish and other live organisms. Research will be assigned in order to understand the needs and design of a system that establishes and maintains multiple hydroponic growing systems. When this class runs during the spring semester, a maple syrup unit is added. Students will identify and tap maple trees right here on the MS/HS property and will harvest and process the sap from them.

Vehicle Maintenance / Ownership

Credit: ½

Prerequisite: None

Rec. Gr. Level: 10-12

This course will teach students about the specific systems that are common in every modern vehicle. This is a project-based class where students will apply and demonstrate competency using performance-based tasks. Examples include tire inspection and changing, diagnosing issues that prevent cars from starting, oil change and lube as well as brake & exhaust diagnosis and repair.

Tech / Diesel

Credit: 1

Prerequisite: None

Traditionally diesel engines are the power plant of choice in production-oriented technical / agricultural settings. This class will teach students about the specific systems that are common in heavy equipment and all gas/diesel-powered engines. This is a project-based class where students will apply and demonstrate competency using performance-based tasks. Examples include hydraulic systems control, welding and fabrication, gas/diesel engine teardown, inspection repair and assembly.

Motorsports

Credit: ½

Prerequisite: None

Rec. Gr. Level: 11-12

With many students already enjoying the use of recreational vehicles, it is important they have an understanding of aspects of maintenance, repair and modification that go into the role of ownership. Students will work on Personal Water Craft, Snowmobiles, All Terrain Vehicles and Dirt Bikes/Motorcycles. This hands-on based course will focus on the following topics: power plant, maintenance, troubleshooting, general repair, performance theory, performance modifications and safe operation.

Home Maintenance and Repair

Credit ½

Rec. Gr. Level: 11-12

Currently 65% of adults in the United States are homeowners. If you're a student and plan on owning a home in the future, it is important to understand that the typical home will require both maintenance and repair. This class is designed to teach students about the mechanical and structural systems that are used throughout homes in Western New York. Students will incorporate a hands-on approach to learning about framing, plumbing, electrical, siding/roofing and finishing systems that are used in modern residential construction. Students could therefore be framing a 2 x 4 interior wall one day and wiring that same wall section for power a week later. These practical experiences will allow students to gain confidence diagnosing and repairing most of the common systems in a home when needed. Additionally, students will practice estimating costs associated with making specific types of home repair. This class will certainly help students avoid paying the costs associated with home ownership/repair, currently \$170.00 per month, as they move into adulthood and homeownership.

TRADITIONAL TECHNOLOGY COURSES

Woodworking

Credit: ½

Rec. Gr. Level: 9-12

This course is designed to introduce students to the world of woodworking. Topics of study will include: wood species ID, processing/machine use and techniques, hand tool ID and use, machine maintenance, joinery, finishing and CNC integration. This project based, hands on course will allow the students the opportunity to understand how products are designed, built and finished in a modern woodworking facility.

Electricity/Electronics/Mechanical Systems

Credit: ½

Rec.Gr. Level: 10-12

With technological devices becoming more and more advanced it is imperative that students have the ability to understand, and diagnose, the electronic and mechanical systems within these devices. This course is designed to provide students with an understanding of how electricity is created, transferred, measured, converted, and applied to make our daily lives the way they are. This course is broken into two content areas AC and DC electricity. Students will learn the function and relevance of both forms of electricity while designing, building and testing circuits along with small projects.

COMMUNICATIONS/MEDIA

Digital Photography

Credit: ½

Rec. Gr. Level: 10-12

In this class, you'll learn how to take awesome photos using a DSLR camera. Through understanding the camera, and exposure, you'll also discover how to control focus, lighting, and camera settings to get exactly what you want out of your photos. Hands-on projects will build confidence and creative style. By the end of the course, you'll know how to capture high quality images, edit them in Lightroom or Photopea, and share them in print or online. A field trip to explore a visual arts gallery darkroom and use pinhole and large format cameras or shoot on location may also be planned.

Advanced Digital Photography

Credits: ½

Prerequisite: Photography

Ready to take your photography skills to the next level? In this class, you'll push beyond the basics. You'll learn to shoot in challenging lighting situations, capture action, and master composition while finding your creative voice. Class members will dive deeper into mood, message, digital editing and manipulation while honing workflow and having opportunities to build a photographic portfolio. Photos will be used in fun, new and creative ways.

Applied Design

Credit: ½

Prerequisite: None

Rec. Gr. Level: 10-12

The design process is a method of solving problems. How we solve problems in different ways is what sparks unique design. This course focuses on this ideal of designing and creating one a kind, unique items. This course, formally known as Interest to Pinterest, will have students using materials and items to solve a problem that they were not intended to do. For example, the use of a shipping pallet to create furniture. Students will study the elements and principles of design, and apply them to a multitude of different hands-on projects. Unlike woodworking or World of Technology, students will not focus on one specific building material, instead they will gain a broader understanding of all materials and how/when to work with them.

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.

World of Technology

Credit: 1

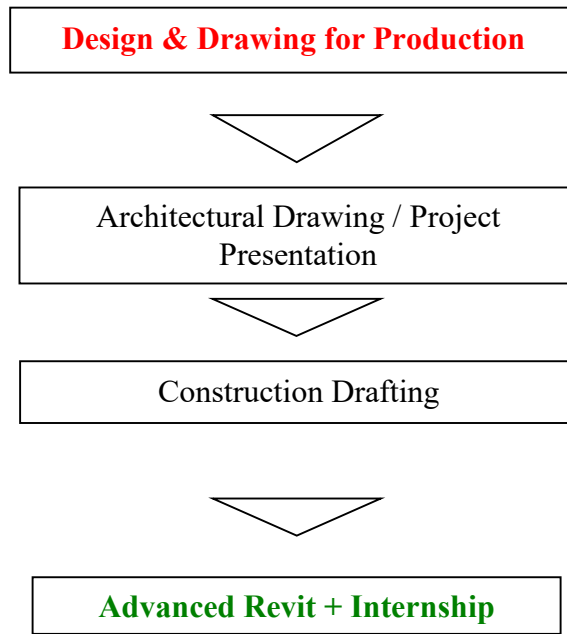
Rec. Gr. Level: 10,11,12

For diploma purposes, this course may be counted as a High School student's final (3rd) unit of either Math OR Science (but 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. Students will research and fabricate their own individual "master project."

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

The courses described and illustrated in the flowchart that follows 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. 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.

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 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 using AutoCad 2D and Inventor 3D students will incorporate the computer based skills they learn to create working design solutions. Students will produce such solutions using tools that include 3D printers, a laser-cutter/engraver or a CNC router or plasma cutter.

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

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 / presentation drawings and models. Students will begin drawing three-dimensionally using Inventor. If time permits, 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 the REVIT program. REVIT is recognized as one of the industry standards used for digital architectural design.

LEVEL#4 Advanced Revit + Internship**Credit: 1****Prerequisite: Level 3**

This is the final class of a four-unit sequence. Additional REVIT skills such as exporting/importing various file formats, creating theoretical design locations and using multiple presentation techniques will be introduced and utilized at the beginning of the semester. Students will also complete an architectural internship with Young and Wright Architecture. During this internship, each student will be working on creating design solutions for commercial-based construction problems.

Career Technical Education Programs

Before enrolling in any Vocational program, please see Eden teachers to compare what Eden can offer to you with regard to the skill-based & hands-on courses that are taught in our district. Also, none of the vocational programs listed below have been approved by the NCAA as “college preparatory” courses. As such, any prospective college athlete is encouraged to take all High School classes at Eden. See your counselor for more details.

Some vocational courses listed below include Honors options that students may use to gain college-level credit at area Community Colleges. Speak to your counselor for more details.

The courses below are open to 11th and 12th graders and meet for the entire school year. Students spend one-half the day at Eden High School taking academic subjects and the other half of the 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 either the Carrier (Lake Shore) or Ormsby (East Aurora) Center.

First year students (Juniors) will attend their vocational program in the afternoons. Second year students (Seniors) attend their vocational program in the morning.

Each course reflects (4) units of credit per year which includes .5 Math and .5 science credits. Seniors also earn 1.0 credit in Senior English and may also be required to take a supplemental English course at Eden. Successful completion of a two-year vocational program counts as 8 total credits toward the 24 minimum that Eden requires for a High School diploma. They are distributed as follows: 1 math, 1 science, 1 English and 5 vocational credits.

At the conclusion of a two-year Vocational program, students are expected to sit for NYS licensing exams in their chosen field. 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 – Ormsby

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.

Conservation Natural Resource Management - Ormsby

This 2-year program introduces students to forestry, wildlife and watershed management, the principles of landscaping and design, tree and shrub identification, hydroponics as well as plant identification and propagation. In addition, students will learn how to operate and maintain the heavy equipment, vehicles and power tools used in the field of conservation.

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 – 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 – Ormsby

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 – 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.

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 – 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 Science – Carrier

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.

Large & Small Animal Science – Ormsby

This program allows students to develop knowledge about and work with large animals (such as horses). Instruction for working with smaller animals is also provided in basic, advanced and specialized skills in areas such as grooming, kennel management, veterinary assistant basics and handling of large & small animals in research settings.

Power Equipment Technology (Diesel) - 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.

Pre-Engineering & Drafting (CADD) – Ormsby

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.

Sports Conditioning & Exercise Science - Ormsby

This is a new class that will teach students the importance of dietary management, exercise science, health skills and exercise techniques. Internships with professional sports teams and access to a state-of-the-art exercise facility in East Aurora is an integral part of this class.

Small Animal Science –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.

Welding / Metal Fabrication – Ormsby

This is a technical course that will prepare students to develop the specialized and sought-after skills in the welding and metal fabrication industry.

COURSES FOR INCOMING 9th GRADERS:

ENGLISH

English 9
English 9 HRS
Raider Academy (1/2)

SOCIAL STUDIES

Global Studies 1
Global Studies 1 HRS

MATH

Algebra I
Geometry HRS

SCIENCE

Earth Science & Lab
Life Science: Biology HRS &
Lab

WORLD LANGUAGES

French 2
German 2
Spanish 2

ART

Studio in Art

MUSIC

Chorus 1 (1/2)
Orchestra
Band

HEALTH & PHYS ED

Phys. Ed. 9 (1/2)
Sr. High Health (1/2)

BUSINESS & COMPUTER EDUCATION

Keyboarding (1/2)

TECHNOLOGY EDUCATION

Design & Drawing for
Production

Red listings = required courses

COURSES FOR INCOMING 10TH GRADERS

ENGLISH (4)

English 10

English 10 HR

English Electives

Book and Film (1/2)

Creative Writing (1/2)

SOCIAL STUDIES (4)

Global Studies 2

World History **AP**

MATH (3)

Algebra 1

Geometry

Applied Geometry NR

Geometry HR

Algebra 2 HR

Java Programming

SCIENCE (3)

Life Science: Biology & Lab (uses 1.5 periods on worksheet)

Physics in Action

Chemistry HR & Lab

(uses 1.5 periods on scheduling worksheet)

WORLD LANGUAGES

(1B required; 3 credits recommended for college-bound students)

French 3

German 3

Spanish 3

World Language

Electives

Students may also take 1B level as a second language elective.

ART (1)

Studio in Art

Art Electives

Studio in Painting & Draw

Studio in Ceramics I (1/2)

Studio in Ceramics II (1/2)

Creative Crafts (1/2)

Advanced Drawing & Painting (1/2)

Jewelry (1/2)

MUSIC (1)

Chorus 1 (1/2)

Select Chorus (1/2)

Orchestra

Band

HEALTH &

PHYS ED (2.5)

Phys. Ed. 10 (1/2)

Sr. High Health (1/2)

ECC Lifeguarding (1/2)

(\$85 cert. fee; must be 15 yrs old)

BUSINESS &

COMPUTER

EDUCATION (1.0)

Keyboarding (1/2)

Digital Applications

Business Electives

Career and Financial

Management (1/2)

VideoGame Design (1/2)

Law (1/2)

Accounting (1/2)

Marketing (1/2)

Web Page Design (1/2)

Law (ECC Credit Option)

Accounting (ECC Credit

Option)

Business (1/2) (ECC Credit Option)

FAMILY & CONSUMER

SCIENCE

Food Prep & Nutrition

(1/2)

Gourmet Foods (1/2)

TECHNOLOGY & AG

EDUCATION

Photography (1/2)

Woodworking (1/2)

Electricity / Electronics (1/2)

World of Technology – this class counts as a NYS math OR science credit if you have already passed Algebra I & Earth Science)

Design & Drawing for Production (counts as a NYS Art/Music credit)

Architectural Drawing

Tech Diesel

Motorsports (1/2)

Vehicle Maintenance & Ownership (1/2)

Tech Science &

Hydroponics (1/2)

Photography (1/2)

Advanced Photography (1/2)

Red listings = required courses

Blue listings = elective courses (4.5 credits required)

Green listings = college credit course options

COURSES FOR INCOMING 11TH GRADERS

ENGLISH (4)

English 11
English 11 HR
English Electives
Mythology (1/2)
Book and Film (1/2)
Public Speaking (1/2)
Creative Writing (1/2)
Creative Writing II (1/2)

SOCIAL STUDIES (4)

US History & Government
AP US History
Social Studies Electives
AP Psychology
AP World History

MATH (3)

Intermediate Algebra
Algebra 2
Pre Calculus
Math Electives
AP Statistics
Logic, Puzzles & Prob. Solving (1/2)
Trigonometry NR (1/2)
Java Programming
CTE Math 11 (.5) – voc only

SCIENCE (3)

Physics & Lab (Uses 1.5 periods of time on worksheet)
Physics HR & Lab (1.5)
Science Electives
Astronomy
Environmental Science
Anatomy & Physiology
Forensics (1/2)
Biotechnology (1/2)
NUSTEP BIOLOGY 102
CTE Science 11 (.5) – voc only

WORLD LANGUAGES (1)

French 4
German 4
Spanish 4
Language Electives

*Students taking a Level 3 or 4 World Language are eligible to take a 2nd language for elective credit:

French 1B or French 2
German 1B or German 2
Spanish 1B or Spanish 2

ART (1)

Studio in Art
Studio in Painting & Drawing
Studio in Ceramics I (1/2)
Studio in Ceramics II (1/2)
Creative Crafts (1/2)
Jewelry (1/2)
Advanced Drawing & Painting (1/2)

MUSIC (1)

Chorus I (1/2)
Select Chorus (1/2)
Orchestra
Band

HEALTH & PHYS.

EDUCATION (2.5)

Phys. Ed. 11 (1/2)
Sr. High Health (1/2)
ECC Lifeguarding (1/2) \$85 fee

BUSINESS & COMPUTER

EDUCATION (1)

Digital Applications (ECC Credit Option)
Career and Financial Mgmt (1/2)
Marketing (1/2)
Video Game Design (1/2)
Web Page Design (1/2)
Intro to Law (1/2)
Intro to Accounting (1/2)
College Success Skills (1/2) (ECC Credit Option)
Law (ECC Credit Option)
Accounting (ECC Credit Option)
Intro to Business (1/2) (ECC Credit Option)

FAMILY & CONSUMER SCIENCE

Food Prep & Nutrition (1/2)
Gourmet Foods (1/2)

Red listings = required courses

Green listings = college credit course options

Blue listings = elective courses (4.5 credits required)

TECHNOLOGY & AG

EDUCATION

Woodworking (1/2)
Electricity/Electronics (1/2)
Photography (1/2)
Advanced Photography (1/2)
World of Technology counts as a math OR science credit
Design & Drawing for Production Architectural / Proj Present. Drawing
Construction Drafting
Advanced Revit/Arch Intern
Tech/Diesel
Motorsports (1/2)
Vehicle Maintenance/Ownership (1/2)
TechScience & Hydroponics (1/2)
Applied Design (1/2)
Home Maintenance and Repair (1/2)

CAREER TECHNICAL

CENTERS

O=ORMSBY

C=CARRIER

Automotive Body Repair 1 (4) O
Automotive Technology 1 (4) C
CADD 1 (4) O
Conservation & Nat Res Mgt 1 (4) O
Construction Technology 1 (4) C
Cosmetology 1 (4) C
Criminal Justice 1 (4) C
Culinary Arts 1 (4) C
Health Careers 1 (4) O
Heating, Air Cond./Refrig 1 (4) C
Info Tech./Computer Sys.1 (4) C
Large Animal Science 1 (4) O
Power Equipment Technology (4) O
Small Animal Science 1 (4) C
Sports & Exercise Sci 1 (4) O
Welding 1 (4) O

Note: Juniors attending Career Technical programs at the East Aurora/Ormsby program do not return to Eden High School until 2:45pm and are transported home at that time.

Also, High School students who participate in Career and Technical programs are generally unable to fit upper-level SAT math and NYS science courses in their schedules, which may affect their eligibility for 4-year colleges & universities. CTE courses are NOT approved as NCAA-eligible HS courses and will prevent a student from being eligible for a D1 or D2 sport in college. See a counselor for more info.

COURSES FOR INCOMING 12TH GRADERS

ENGLISH (4)

Essentials of Writing (1/2)
(Required)
Senior Literature (1/2) (Required)
HC English 101 Intro to Lit.
CTE English 12 (voc students only)
English Electives
Book and Film (1/2)
Mythology (1/2)
Public Speaking (1/2)
Creative Writing (1/2)
Creative Writing II (1/2)

SOCIAL STUDIES (4)

Economics (1/2)
Participation in Government (1/2)
Social Studies Electives
AP US Gov. & Politics
AP Psychology
AP US History
AP World History

MATH (3)

Algebra 2
Advanced Pre-Calculus
General Calculus
AP Calculus
AP Statistics
Personal Finance
Logic, Puzzles & Prob. Solving (1/2)
Trigonometry NR (1/2)
Java Programming
CTE Math 12 (.5) – voc only

SCIENCE (3)

Physics & Lab (counts as 1.5 periods on worksheet)
Chemistry & Lab (1.5)
NUSTEP CHEM 111
NUSTEP BIOLOGY 102
Advanced Chemistry II
Environmental Science
Anatomy & Physiology
Physics in Action
Astronomy
Forensics (1/2)
CTE Science 12 (1/2) – voc only

WORLD LANGUAGES (1)

French 5 (HC French 201)
German 5 (HC German 201)
Spanish 5 (HC Spanish 201)
*Students taking a Level 4 or 5 World Language are eligible to take a 2nd language for elective credit:
French 1B or French 2
German 1B or German 2
Spanish 1B or Spanish 2

ART (1)

Studio in Art
Studio in Painting and Drawing
Studio in Ceramics I (1/2)
Studio in Ceramics II (1/2)
Creative Crafts (1/2)
Advanced Drawing & Painting (1/2)
Jewelry (1/2)

MUSIC (1)

Chorus 1 (1/2)
Select Chorus (1/2)
Orchestra
Band

HEALTH & PHYS. ED (2.5)

Phys. Ed. 12 (1/2)
ECC Lifeguarding (1/2) \$85 fee

BUSINESS & COMPUTER EDUCATION (1)

Digital Applications
Career and Financial Mgmt (1/2)
Marketing (1/2)
Video Game Design (1/2)
Web Page Design (1/2)
Intro to Law (1/2)
Intro to Accounting (1/2)
College Success Skills (1/2) (ECC Credit Option)
Law (ECC Credit Option)
Accounting (ECC Credit Option)
Intro to Business (1/2) (ECC Credit Option)

FAMILY & CONSUMER

SCIENCES

Food Prep & Nutrition (1/2)
Gourmet Foods (1/2)

TECHNOLOGY & AG EDUCATION

Woodworking (1/2)
Electricity/Electronics (1/2)
Photography (1/2)
Advanced Photography (1/2)
World of Technology – counts as a math or science credit
Design & Drawing for Production
Architectural / Proj Present. Drawing
Construction Drafting
Advanced Revit/Arch Intern
Tech/Diesel
Motorsports (1/2)
Vehicle Maintenance/Ownership (1/2)
TechScience (1/2)
Applied Design (1/2)
Home Maintenance and Repair (1/2)

CAREER TECHNICAL CENTERS

Auto Body Repair 2 (4) **Ormsby**
Auto Technology 2 (4) **Carrier**
CADD 2 (4) **Ormsby**
Conservation 2 (4) **Ormsby**
Construction Tech 2 (4) **Carrier**
Cosmetology 2 (4) **Carrier**
Criminal Justice 2 (4) **Carrier**
Culinary Arts 2 (4) **Carrier**
Early Childhood Ed 2 (4) **Carrier**
Health Careers 2 (4) **Ormsby**
Heat, Air Cond, Refrig 2 (4) **Carrier**
Info Tech. Comp Sys. 2 (4) **Carrier**
Large Animal Sci 2 (4) **Ormsby**
Power Equipment Tech 2 (4) **Ormsby**
Small Animal Science 2 (4) **Carrier**
Small Animal Care 2 (4) **Carrier**
Sports & Exer. Sci 2 (4) **Ormsby**
Welding 2 (4) **Ormsby**

Red listings = required courses

Green listings = college credit course options

Blue listings = elective courses (4.5 credits required)

Middle & High School Counseling Staff

Mrs. Jennifer Dibble (jdibble@edencsd.org): All students in Grades 6 through 12 with surnames A – F

Ms. Erin Collins (ecollins@edencsd.org): All students in Grades 6 through 12 with surnames G – M

Mr. Scott Minton (sminton@edencsd.org): All Students in Grades 6 through 12 with surnames N - Z

Mrs. Jennifer Carriero (jcarriero@edencsd.org): School Psychologist Grades 6 - 12

Mrs. Helen Knab (hknab@edencsd.org): Social Worker, available at the Middle & High School
By appointment (call or e-mail)

Katie Bucci: Secretary kbucci@edencsd.org

The members of the Eden Middle & High School Counseling Office provide career, college and guidance services for all students in Grades 6 through 12. We are located across from the cafeteria. The following concerns are examples of some of the topics that students and families address confidentially with our counselors, school psychologist and full-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 staff.