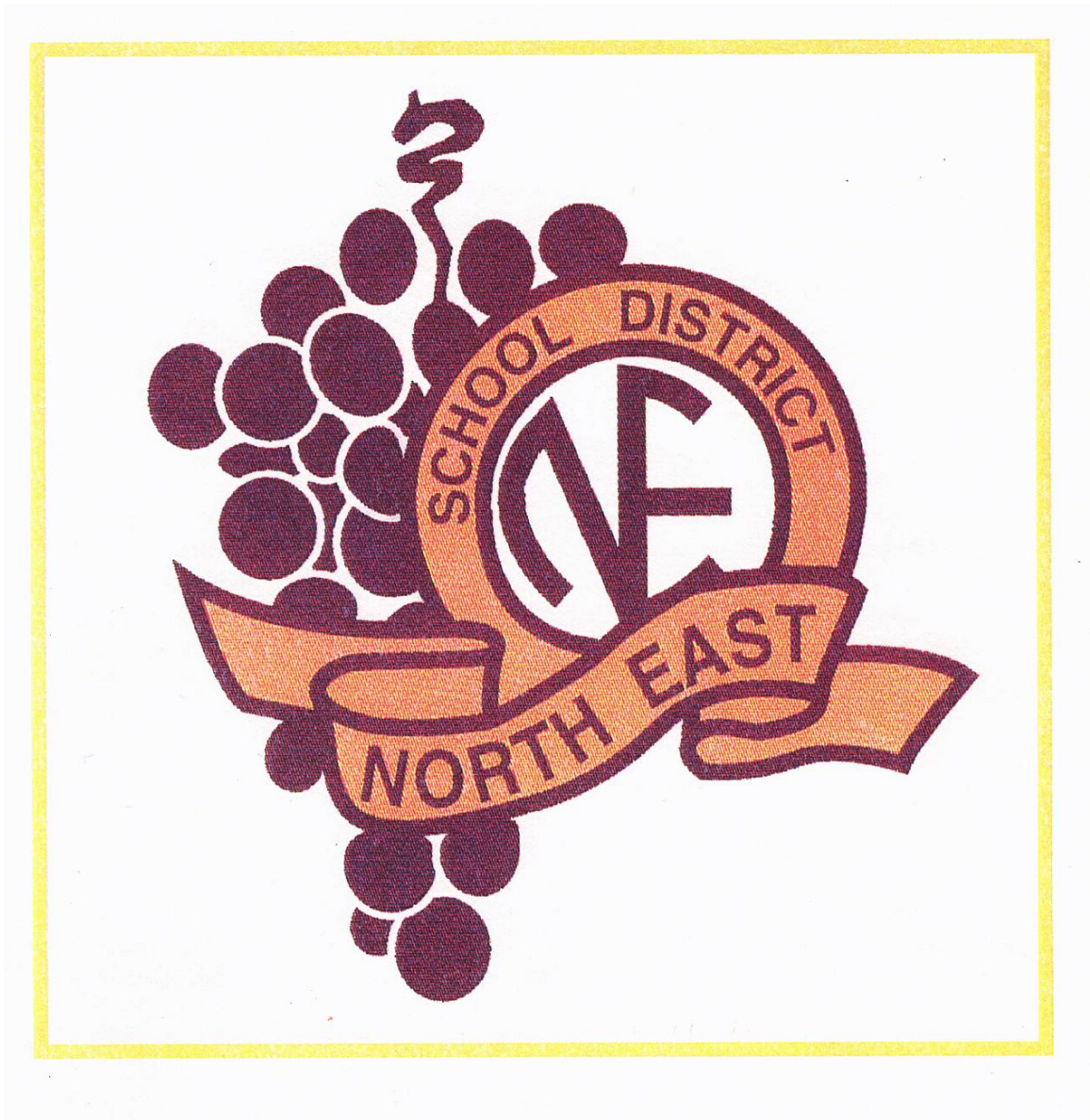


PROGRAM OF STUDIES



**North East High School
2011-2012**

**North East High School
Program of Studies
2011-2012
(814) 725-8671**

Board of School Directors

Mr. Richard Winschel, President
Mr. Kerry Corbin, Vice President
Mr. James Barnes
Dr. Jane Blystone
Mr. Robert Boyd

Mr. Thomas Kelley
Mr. Nicholas Mobilia
Mr. David Rodgers
Mrs. Kathleen Weinheimer

School Administration

Superintendent	Mr. James Brotz
High School Principal	Mr. Regan Tanner
High School Assistant Principal.....	Mr. Brian Emick
Middle School Principal	Mr. Gregory Beardsley
Middle School Assistant Principal.....	Dr. Jennifer Ritter
Intermediate Elementary School Principal	Dr. Glenn Zewe
Primary Elementary School Principal	Mr. Timothy Welsh

Dear Student / Parent:

This handbook is supplied to assist you in creating an appropriate course schedule for next school year. Students and parents need to give consideration to choosing courses so that you satisfy graduation requirements, career objectives, and proper academic progressions. In addition, please be sure that you have the proper prerequisites to be in the courses you have chosen.

Much consideration and effort is made by your high school principals and counselors to ensure that you have chosen and receive the best possible course schedule. Individual meetings take place with your guidance counselor to ensure the best possible schedule, therefore, student schedule changes are less likely to occur as the beginning of the school year approaches. Teachers and students are assigned to classes based on course selections made by the student in the previous spring. This is to ensure that class sizes are as balanced as possible. Schedule changes that occur after the school year has started only detract from the balance created in the school's master schedule. Your cooperation in maintaining a healthy academic program is expected. Parental involvement is encouraged in the scheduling process. Parents and students should be aware that credit for a course taken and passed can only be awarded once for any given student, unless approved by the principal. Students should select 8 credits of required and elective courses. Most students will not receive all of the courses requested and need to select at least 2 credits of alternate courses. Also, please consult with teachers when selecting instructional levels (regular, honors, AP.)

We encourage you to study this handbook carefully and to complete the scheduling worksheet in a timely manner. If you have any questions about your choices please contact your guidance counselor. It is our wish that you obtain the best education possible during your high school years. Making good choices now plays a big part in your future.

Sincerely,

Mr. Regan Tanner (Principal)

Mr. Brian Emick (Assistant Principal)

Mr. Dennis Cerami (Counselor - All ECT, college students and students with a GIEP)

Mrs. Emily Crawford/Mrs. Linda Koket (Counselor - Class of 2015 & 2013)

Mrs. Laura Panek (Counselor - Class of 2012 & 2014)

North East High School 2011-12 Faculty

Academic Learning Support

Joyce Fioretti
Mark Hughes
Leslie Shickler
Nancy Sturgeon

Art

Patrick Fordyce

Business

Kari Kowalczyk

Driver Education

James Nowakowski

English/Reading

Katherine Bierig
Patti Callan, Department Chairperson
Anita Moore
Emalie Nagle
Kathy Nies

Family and Consumer Science

TBA

World Language

Cheri Dohmen, Department Chairperson
Susan McElhinny
Deborah Rao

Guidance

Dennis Cerami
Emily Crawford/Linda Koket
Laura Panek

Health Services

Janice Brabender
Barb Zorzie

Industrial Arts

Charles Cross

Librarian

Nicole Drabic

Mathematics

Cindy Carlson
Sam Coffman, Department Chairperson
Kristin Fry
Dan Hering
Matthew Shesman
Steve Wall

Music

Melissa Beichner
Stephan DeGrosky

Physical Education

Sherry Elchynski, Department Chairperson
William Mackin
James Nowakowski
Paul Pennington

Science

Paul Becker
Karl Falk
Katie Gallagher
Noel Mraz, Department Chairperson
Phil Sarver

Social Studies

Cathy Duma
Gregory Henning
Mercedes Henning
William Renne
Jennifer Wilson, Department Chairperson

NORTH EAST SCHOOL DISTRICT STRATEGIC PLAN

CORE VALUES

We believe that:

- All people have equal intrinsic worth.
- Life-long learning is essential for the individual and society to flourish.
- Involved families are fundamental to successful communities.
- Understanding diversity enriches life.
- All people have the capacity to contribute; and when they do, everyone benefits.
- Adults are the most influential role models for children.

MISSION

The mission of the North East School District is to challenge and empower all students to develop and achieve personal aspirations, pursue a love of learning, and be responsible citizens in a dynamic world.

STRATEGIC OBJECTIVES

- All students will continually establish and achieve significant personal goals and experience the benefit of doing so.
- All students will continually and enthusiastically express their love of learning to the world by their words and/or actions.
- All students will choose to actively participate in self-designed and/or existing programs that enhance the community.

STRATEGIES

We will:

1. Empower all staff throughout the District to achieve all of our Strategic Objectives and Mission.
2. Create and sustain a solid foundation of trust extending from within the system outward to the community which will foster the unity essential to achieve our Strategic Objectives and Mission.
3. Collaborate with the community so that we all understand, support, and contribute to our Strategic Objectives and Mission.
4. We will develop, align, and implement an effective and comprehensive curriculum to ensure the attainment of our Strategic Objectives and Mission.

TABLE OF CONTENTS

	Page
Graduation Requirements	1
Promotion Requirements	2
Grading System	3
Special Programs	4
Glossary	7
English/Reading Department	8
Mathematics Department	13
Science Department	18
Social Studies Department	22
World Language Department.	27
Business Department.	29
Technology Education Department.	30
Family and Consumer Science Department.	31
Fine Arts Department.	33
Music Department.	36
Physical Education Department.	38
Erie County Technical School.	40
Communications Department.	41
Construction Department.	43
Human Services Department.	44
Manufacturing Department.	46
Transportation Department.	48
Two Year Programs.	49
Extra-Curricular Activities.	50

Graduation Requirements

- **Credits**

Students who remain at **North East High School** on a full time basis must successfully complete 27.0 credits in grades 9 – 12 as follows:

COURSE REQUIREMENTS	CREDITS
Mathematics <i>See page 12 for mathematics sequence</i>	4.0
English	4.0
Social Studies <i>See page 22 for Social Studies sequence</i>	4.0
Science <i>biology is required</i>	4.0
Physical Education & Health	2.0
Electives*	9.0
Portfolio	Successful Completion
Total Credits	27.00

*Two credits of the required elective courses must be Arts and Humanities courses from any of the following departments: fine art, music, technology education, world language, family and consumer science, English and social studies. In addition students must take and pass Personal Keyboarding (0.5 credits).

Students who choose to attend the **Erie County Technical School** must successfully complete 24.0 credits in grades 9 – 12 as follows:

COURSE REQUIREMENTS	CREDITS
Mathematics <i>See page 12 for mathematics sequence</i>	3.0
English	4.0
Social Studies <i>See page 22 for Social Studies sequence</i>	3.0
Science <i>biology is required</i>	3.0
Physical Education & Health	2.0
ECTS Lab Credits	9.0 lab credits for 3 year tech graduates 6.0 lab credits for 2 year tech graduates 3.0 lab credits for 1 year tech graduates
Electives*	Varies based on tech schedule
Portfolio	Successful Completion
Total Credits	24.00

*Two credits of the required elective courses must be Arts and Humanities courses from any of the following departments: fine art, music, technology education, world language, family and consumer science, English and social studies. In addition students must take and pass Personal Keyboarding (0.5 credits).

- **Graduation Project (Portfolio)**

The Pennsylvania Department of Education requires all high school students to complete a culminating graduation project. North East High School's Graduation Project or Portfolio must be completed by the end of the student's senior year (usually in April). Each portfolio must include the following:

- I. Table of Contents
- II. Self-Assessment
- III. Goal Setting Plan and Summary
- IV. Academic Entries (2 entries in each discipline separated by time to show growth)
 - a. English
 - b. Social Studies
 - c. Mathematics
 - d. Science
 - e. Electives
- V. Career Exploration Entries
 - a. Resume
 - b. Cover Letter
 - c. Beginning with the class of 2013 – Career Cruising Matchmaker & Ability Profiler
- VI. Autobiography
- VII. Personal Choice Entries (optional)
 - a. College Application
 - b. Class Projects
 - c. Honors and Awards
 - d. Video/audio Tapes
 - e. Photographs

Students attending the Erie County Technical School will include in their portfolios the technical entries that span the three year program they have studied.

- **Pennsylvania School System Assessment**

The Pennsylvania Department of Education requires demonstrated proficiency in reading, writing, mathematics and science on the Pennsylvania School System Assessment (PSSA) or attainment of standards through successful completion of coursework. On the high school level the PSSA is administered annually to juniors. All juniors must participate in the writing, reading, mathematics and science PSSA tests.

- **Keystone Exam Proficiency**

Beginning with the graduating class of 2015, the Pennsylvania Department of Education will require demonstrated proficiency on the Algebra I, Biology, English Composition, and English Literature Keystone tests in order to graduate from a Pennsylvania public school. The Keystone tests will be administered three times per year in the winter, spring, and summer. The Keystone test will be administered similar to a final exam at the conclusion of the course. A student will need to score a minimum of 70% in order to achieve proficiency. The test will also be counted as a portion of the grade for that course. Students who do not achieve proficiency on the exam will be given two more opportunities to take all or portions of the Keystone to try and attain proficiency. Beginning in the spring of 2014, the Keystone tests will replace eleventh grade PSSA tests that are currently used by Pennsylvania to measure AYP (adequate yearly progress) as required by the federal mandate of "No Child Left Behind."

Promotion Requirements Grades 9 – 12

Promotion from one grade to the next depends upon credits earned. All full year courses are worth one credit; all semester courses are worth one-half credit. Students are expected to make yearly progress in their major academic subjects to ensure graduating in a timely fashion. Typically, students should follow these guidelines:

- From grade 9 to 10: A student must pass at least three of the four major subjects and earn at least 4.5 credits.
- From grade 10 to 11: A student must earn at least 11 credits.
- From grade 11 to 12: A student must earn at least 19 credits.

Students who fail to make yearly progress (as noted above) jeopardize the opportunity to graduate within four years.

Grading System

North East high School uses a letter grading system based upon the following percentages:

A = 93 – 100%	I = Incomplete
B = 85 – 92%	WP = Withdrawal while Passing
C = 77 – 84%	WF = Withdrawal while Failing
D = 69 – 76%	P = Passing
F = Below 69%	MX = Medical Excuse

Quarterly grades reflect increments of + or – the letter grade given. All final grades are given in whole letter grades only.

The final grade in all full year courses is the average of all four academic quarters (at a value of 22.5% each quarter), and the final exam (which carries a weight of 10%) to equal 100% of the grade.

If a student withdraws from a course for any reason prior to its completion, a grade of WP or WF will be given based upon actual academic progress in the course at the time of withdrawal. This grade will be reflected on the transcript.

Quality Point Average and Rank

Quality Point Average (QPA) is computed on a weighted scale, using letter grades earned in all courses in the high school. Quality Point Average determines a student's rank in class, is cumulative from year to year and appears on a student's transcript. Courses are assigned levels for QPA purposes as follows:

- Level 1: Regular and Basic Courses
- Level 2: Honor Courses
- Level 3: Advanced Placement and College courses (not to exceed seven credits)

The following point scale is used to compute QPA:

	A	B	C D F		
Level 1	4.0	3.0	2.0	1.0	0
Level 2	5.0	4.0	3.0	1.0	0
Level 3	5.5	4.5	3.5	1.0	0

Course Failure

Students must pass all courses required for graduation to earn credit. If a student fails a course, the course may be repeated during the next school year or it may be remediated in an approved remediation program, either at North East School District or at another accredited school district. Course remediation requirements are as follows:

1.0 credit = 120 hours of instruction *Remediation must equal 60 hours of instruction*
0.5 credit = 60 hours of instruction *Remediation must equal 30 hours of instruction*

Students may be tutored privately to remediate failed coursework. Private tutors must be certified teachers approved by the principal. All financial arrangements for private tutoring take place directly between the student's family and the tutor. A formal signed statement indicating the subject, dates, and total hours of the actual remediation, outline of topics covered, and grade given, will be submitted to the principal at the conclusion of the coursework. The course, grade, and assigned credit will then be added to the student's transcript.

Special Programs

1. Advanced Placement Courses

North East High School students have the opportunity to complete college-level courses at the secondary level and may obtain college credit and/or advanced placement through the Advanced Placement Program. Students enrolled in the Advanced Placement courses may elect to take an Advanced Placement Exam for the subject(s) in which they are enrolled. There is a fee for each exam. Exams consist of a multiple choice and free response sections. Every examination receives an overall grade on a 5-point scale:

- 5-Extremely well qualified
- 4-Well qualified
- 3-Qualified
- 2-Possibly qualified
- 1-No recommendation

Students send the grades received on the exams to colleges and universities nation-wide. Each college decides which AP Exam score it will accept for credit and/or advanced placement. Many institutions accept scores of “3” and above, which is the recommendation of the American Council on Education (ACE).

North East High School offers Advanced Placement courses in the following:

- English Language (English 11 AP)
- English Literature (English 12 AP)
- European History
- American Government
- Chemistry
- Calculus AB (Calculus AP)
- Physics

2. Honors Courses

North East High School students have the opportunity to enroll in Honors courses, which provide a rigorous academic experience. Students enrolling in Honors classes should have a “B” average or better in the subject area. The pace is accelerated and the workload is demanding.

North East High School offers the following Honors courses:

- Advanced Earth and Space Science Honors
- Algebra I Honors
- Algebra II Honors
- American History II Honors
- Biology 10 Honors
- Calculus Honors
- Chemistry I Honors
- Contemporary World Cultures Honors
- English 9, 10, 11, 12 Honors
- French III, IV
- German III, IV
- Spanish III, IV
- Human Anatomy and Physiology Honors
- Modern Geometry Honors
- Organic/Biochemistry
- Physics I
- Pre-Calculus H
- Principles of Democracy Honors
- Probability and Statistics
- Trigonometry Honors
- Western Civilization Honors

3. Regional Choice Initiative/College Courses

Exceptional students who have had success in academic courses may enroll at one of the area colleges on a part-time basis upon approval of the guidance department and the principal. All costs associated with attending the college program are the responsibility of the student and his or her family. Financial arrangements are in place with Mercyhurst College and Gannon University to allow North East High School students to take courses at a reduced rate. Students can also apply to Gannon and Edinboro University through the Regional Choice Initiative at a reduced rate. State grant money may be available to defray costs for juniors and seniors.

Students are admitted to the university under a special status category. Taking a semester or trimester course does not guarantee admission as a full time undergraduate student in the fall.

Transcripts of grades earned in college courses must be submitted to the high school, and are included in the student's grade point average and rank.

Dual Enrollment prerequisites

In order for students to request enrollment in any of the dual enrollment programs supported by North East High School students must meet the guidelines below for consideration for entry in the program.

1. Students must have at least a "B" average in all major subjects i.e. mathematics, English, science, and social studies.
2. Students should have scored a minimum of 40 of the PSAT as a sophomore or 450 on the SAT in all three of the tested areas.
3. Students must have less than 10 (ten) absences in the prior two quarters of school and less than 5 (five) tardies.
4. Students may not replace English 11 with any dual enrollment course. If students wish to take a college writing course as juniors, they may do so but it would be in addition to English 11. That same principle applies to those students as sophomores and English 10.
5. Students who enroll in dual enrollment programs for their senior year must be proficient on the PSSA as juniors or they will be removed from the dual enrollment program prior to the start of their senior year.
6. When the student's college schedule creates unscheduled blocks at NEHS, students must either enroll in courses here, audit courses here, or perform an approved unpaid community service assignment either in or out of NEHS.

4. Talent Search Program

Talent Search is a nationally recognized program offered at North East High School in cooperation with the Northwest Tri County Intermediate Unit, designed to promote career development and college preparation for 9th to 12th grade students. Topics include life skills, study skills, career assessments, career research, SAT preparation, scholarship searches, and the college application process. Field trips to job sites and post-secondary institutions are scheduled each year. Applications are available in the guidance office which determine eligibility.

5. Academic Awards Program

Each department in the school awards academic certificates to one outstanding student and three commendable students in all subjects taught. These awards are distributed during a formal awards ceremony at the end of the academic year. The recipients are determined utilizing the following criteria:

1. Academic performance in the subject area during the current school year.
2. In case of a tie, subtest scores on the most recent standardized test are used.

Senior awards for outstanding achievement are given to one senior in every department who has the highest cumulative grade average in that department's course offerings over the four years of high school. In addition to a framed certificate, the senior's name is engraved on a brass plate and attached to the department's walnut plaque, which is displayed in the gym/ auditorium lobby.

6. Academic Letters

Students who excel in their honors and academic coursework, academic extracurricular activities and standardized test scores may receive an academic letter. To receive an academic letter, students must earn a pre-determined number of points based on grades, standardized test scores, rank, and individual academic awards. Students may apply for the letter during the second semester each year. Letters are awarded during the spring of each year.

7. National Honor Society

In the second semester, all sophomores, juniors and seniors who have a cumulative 3.0 grade point average may apply for membership in the North East High School chapter of the National Honor Society. Using a point scale, a faculty committee then reviews each application for performance in four areas: academics, leadership, character, and service.

A late spring induction ceremony takes place at the school. Students who have been inducted into the NHS remain members unless their GPA drops below 3.0 or they have been involved in any serious disciplinary action.

8. Honor Roll

Honor roll recognition at North East High School is determined by all grades received for all courses each quarter. All students have an equal opportunity for local recognition, regardless of their course levels. Honor Roll is offered at two levels: High Honors and Honors. The student must meet one of the following requirements to qualify:

High Honors: All "A's"
Honors: All "A's" and "B's"

Glossary

Basic Courses:

Basic courses are required courses in major subject areas for students who are designated as learning support (IEP).

Course Sequence:

A course sequence is the preferred progression of courses in a single department, from the beginning level to the more advanced, which a student is advised to take in preparing his/her schedule from year to year. Course sequences are listed at the beginning of each department's outline of courses.

Credits:

One credit is earned upon successful completion (passing grade) of a full year course (120 hours of instruction). One-half credit is earned for the successful completion of a semester-long course (60 hours of instruction).

Elective course:

Electives are courses that students choose to take. By definition, they are not required. North East High School students are required to take nine credits of electives, two of which must be in the area of Arts and Humanities and .5 of personal keyboarding.

Prerequisite:

A prerequisite is a course or a requirement that a student must complete in order to qualify for entry into another course. For example, before students can take Computer Programming I, they must successfully complete Algebra I.

Regular Courses:

Regular courses (courses not designated honors or AP) prepare students to meet graduation requirements, seek immediate employment after high school, enter the military, or to further their education. The pace accommodates the individual needs and abilities of the average student. These are level 1 courses in the computation of QPA and class rank. Consult the Quality Point Average section of this book for more information.

Required course:

A required course is one which must be taken by all students to receive a North East High School diploma. Please refer to the graduation requirement section of this catalog.

Semester:

A semester is half of a school year and includes two of the four marking periods. Many elective courses are one semester in length. Semester 1 begins in late August or September and ends in late January. Semester 2 ends in June.

ENGLISH/READING SEQUENCES

Regular

Grade	Subject
9	English
10	English
11	English
12	English

Honors

Grade	Subject
9	English Honors
10	English Honors
11	English Honors
12	English Honors

Advanced Placement Sequence

Grade	Subject
9	English Honors
10	English Honors
11	English Advanced Placement
12	English Advanced Placement

Electives

Grade	Subject
9-12	Creative Writing I
10-12	Creative Writing II
9-12	Dramatic Performance I
10-12	Dramatic Performance II
9-12	Journalism I
10-12	Journalism II
9-12	Oral Communications I
10-12	Oral Communications II
10-12	Publications Seminar I
11-12	Publications Seminar II

ENGLISH/READING DEPARTMENT

Course Title: **ENGLISH 9**

Grade/Course #: 9 (0020)

Course Length: Full year (One credit)

Description: The focus of this course is to develop vocabulary, to review the fundamentals of grammar and usage, to enhance writing skills, and to introduce students to basic literary types such as the short story, the novel, the epic and drama. Library skills are reviewed to promote effective library usage.

Course Title: **ENGLISH 9 HONORS**

Grade/Course #: 9 (0025)

Course Length: Full year (One credit)

Description: The honors course focuses in greater depth on grammar/usage, composition, literature, and vocabulary. The writing component stresses the development of informative, descriptive, and narrative paragraphs. The study of literature includes an understanding of the elements of basic literary forms. Library skills are reviewed to promote effective library usage.

Prerequisite: "B" average in Eighth Grade English or teacher recommendation.

Course Title: **ENGLISH 10**

Grade/Course #: 10 (0030)

Course Length: Full year (One credit)

Description: The main emphasis in this course is to study world authors and enhance skills in reading comprehension and analysis. Vocabulary development through reading fiction and non-fiction is stressed and accompanied by formal vocabulary study. The writing process is exercised and complemented by grammar instruction.

Course Title: **ENGLISH 10 HONORS**

Grade/Course #: 10 (0035)

Course Length: Full year (One credit)

Description: Included in this course is a survey of world literature with an attempt to correlate reading with geography and history. The structure and critical analysis of short stories, novels, essays and plays are studied with an emphasis on novels. Challenging vocabulary is also studied through the use of a vocabulary book for the college bound. Paragraph development and formal essay writing are accompanied by grammar instruction. This course also includes an introduction to research techniques and the construction of a limited research paper.

Course Title: **ENGLISH 11**

Grade/Course #: 11 (0040)

Course Length: Full year (One credit)

Description: This course is primarily a survey of American literature from colonial to modern times. The writing process emphasizes the development of analytical, grammatical, research, and vocabulary skills.

Course Title: **ENGLISH 11 HONORS**

Grade/Course #: 11 (0045)

Course Length: Full year (One credit)

Description: Designed to prepare students for college, this course covers the effects of changing social conditions and philosophies on the various literary genre (short story, essay, novel, drama, and poetry) represented in American literature. Emphasis is on vocabulary development, effective research, precise composition, and appropriate language usage. Extensive reading and writing are required.

Course Title: **ENGLISH 11 ADVANCED PLACEMENT**

Grade/Course #: 11 (0044)

Course Length: Full year (One credit)

Description: Designed for the exceptional student in English, this course provides students experiences and intensive instruction in prose reading and writing that will encourage motivated students to become skilled readers and writers. Students will be able to distinguish a writer's purpose, audience expectations, and subjects as well as the way language conventions and the structures of language contribute to meaning. Students must be capable of independent study and research on a college level. This course prepares students to take the AP Language and Composition examination. Advanced placement exams are given upon request. This course has been authorized by the College Board to use the "AP" designation.

Prerequisite: Honors or teacher recommendation.

Course Title: **ENGLISH 12**

Grade/Course #: 12 (0050)

Course Length: Full year (One credit)

Description: This course is designed to guide students through a brief survey of historically significant British Literature from Anglo-Saxon times to the present in the genres of poetry, novel, short story, drama, and essay. New vocabulary is developed and grammatical concepts are reviewed. Emphasis is placed on making connections between literary selections and modern life. Individual reading and writing are required.

Course Title: **ENGLISH 12 HONORS**

Grade/Course #: 12 (0055)

Course Length: Full year (One credit)

Description: Designed to prepare students for college, this course surveys historically significant British Literature from Anglo-Saxon times to the present in the genres of poetry, novel, short story, drama, and essay. While new vocabulary is developed and grammatical concepts are reviewed, emphasis is placed on thinking critically about literature, developing advanced writing skills, and understanding how various historical events and writing styles relate, impact, and foreshadow literary movements. Extensive individual reading, writing and research are required.

Course Title: **ENGLISH 12 ADVANCED PLACEMENT**

Grade/Course #: 12 (0065)

Course Length: Full year (One credit)

Description: Designed for the exceptional student in English. This course includes a one semester survey of British literature from the Old English period through the Renaissance and the second semester focuses on the literary development of the short story and novel in contemporary literature. Extensive reading and writing are required; therefore, students must be capable of independent study and research on a college level. Advanced Placement examinations are given upon request. This course has been authorized by the College Board to use the "AP" designation.

Prerequisite: Honors or AP

ELECTIVES

Course Title: **CREATIVE WRITING I**

Grade/Course #: 9, 10, 11, 12 (0046)

Course Length: Semester (.5 credit)

Description: This introductory course offers a guided approach to various forms of writing. The basic areas of concentration include scriptwriting, narrative writing, the personal essay, and poetry. The course functions as a seminar in which students share and self-assess their own works in addition to discussing and assessing the written works of their peers. Those who enroll should possess strong basic writing skills, particularly in regard to grammar and usage.

Course Title: **CREATIVE WRITING II**
Grade/Course #: 10, 11, 12 (0056)
Course Length: Semester (.5 credit)

Description: This course provides a forum in which students meet as a community of interested writers. Here, students investigate the writing process, examine the craftsmanship of published writers, and experiment with various writing techniques while developing their own personal style and voice. Using the multi-tiered writing process, students compose both prose and verse works intended for publication.

Course Title: **ORAL COMMUNICATIONS I**
Grade/Course #: 9, 10, 11, 12 (0047)
Course Length: Semester (.5 credit)

Description: Students will prepare and present a variety of speeches designed to practice delivery techniques. Students will study vocal, verbal, non-verbal message to enhance communication skills. This course develops student awareness of the importance of communication.

Course Title: **ORAL COMMUNICATIONS II**
Grade/Course #: 10, 11, 12 (0057)
Course Length: Semester (.5 credit)

Description: This course further develops oral communication skills and behaviors learned in Oral Communications I. Students will prepare and present complex speeches which are researched based.

Prerequisite: Oral Communications I

Course Title: **PUBLICATIONS SEMINAR I**
Grade/Course #: 10, 11, 12 (0068)
Course Length: Full year (One credit)

Description: Publications seminar is a year long class for students in grades 10, 11 and 12 who serve as first year designers of the North East High School yearbook. Students will produce this publication using current professional journalism methods and state-of-the-art desktop publishing software. Individual work will be evaluated using performance-based authentic assessment procedures. Courses such as Journalism I, creative writing, photography, drafting, and computer applications provide a background for this class. Students are required to participate in an advertising campaign for the yearbook.

Prerequisite: Completed application, faculty review, and an interview.

Course Title: **PUBLICATIONS SEMINAR II**
Grade/Course #: 11, 12 (0078)
Course Length: Full year (One credit)

Description: Publications Seminar II is a year long workshop class for students in grades 11 and 12 who have successfully completed Publications Seminar I. Students will provide leadership in such positions as editor-in-chief, assistant editor, photography editor, business manager, etc., to produce the official North East High School yearbook. Editorial positions are competitive based on a portfolio, essay, and interview. This class is scheduled with the Publications Seminar I students. Students in this section will be responsible for content of the yearbook as well as provide funding for the publication using current advertising and marketing techniques.

Prerequisite: Successful completion of Publications Seminar I or teacher recommendation.

Course Title: **JOURNALISM I**
Grade/Course #: 9, 10, 11, 12 (0061)
Course Length: Semester (.5 credit)

Description: This course covers basic news gathering, writing, editing, and displaying of the news. Areas of emphasis include leads, straight news, features, editorials, and sports writing. Students will also learn basics of page design, headline writing, typography and proofreading.

Course Title: **JOURNALISM II**
Grade/Course #: 10, 11, 12 (0071)
Course Length: Semester (.5 credit)

Description: Journalism II is a semester course designed to publish *The Grapevine*, the high school newspaper. To accomplish this task, this course requires students to gather, write, edit, and display the news in publication form. Areas of emphasis include writing in a sophisticated journalistic style, in-depth reporting, interviewing, and designing the publication.
Prerequisite: Journalism I and/or teacher recommendation.

Course Title: **DRAMATIC PERFORMANCE I**
Grade/Course #: 9, 10, 11, 12 (0048)
Course Length: Semester (.5 credit)

Description: This course introduces the students to physical elements of the stage, voice and diction, nonverbal communication, improvisation and a series of beginning acting experiences. Students will study drama through the textbook as well as through acting experiences on the school stage. Participants in this class will prepare and present a variety of performances; students will be required to memorize short and long scenes, as well as a one act play. In addition, there will be written homework, quizzes, tests and a written final exam.

Course Title: **DRAMATIC PERFORMANCE II**
Grade/Course #: 10, 11, 12 (0049)
Course Length: Semester (.5 credit)

Description: This course is designed for the advanced drama student. Having learned the fundamentals of theater and acting in **Dramatic Performance I**, students will extend their acting experiences with longer, more complicated plays. They will also write, produce and direct their own plays, create their own sets, and perform for live audiences.
Prerequisite: Students must have earned at least a B in Dramatic Performance I.

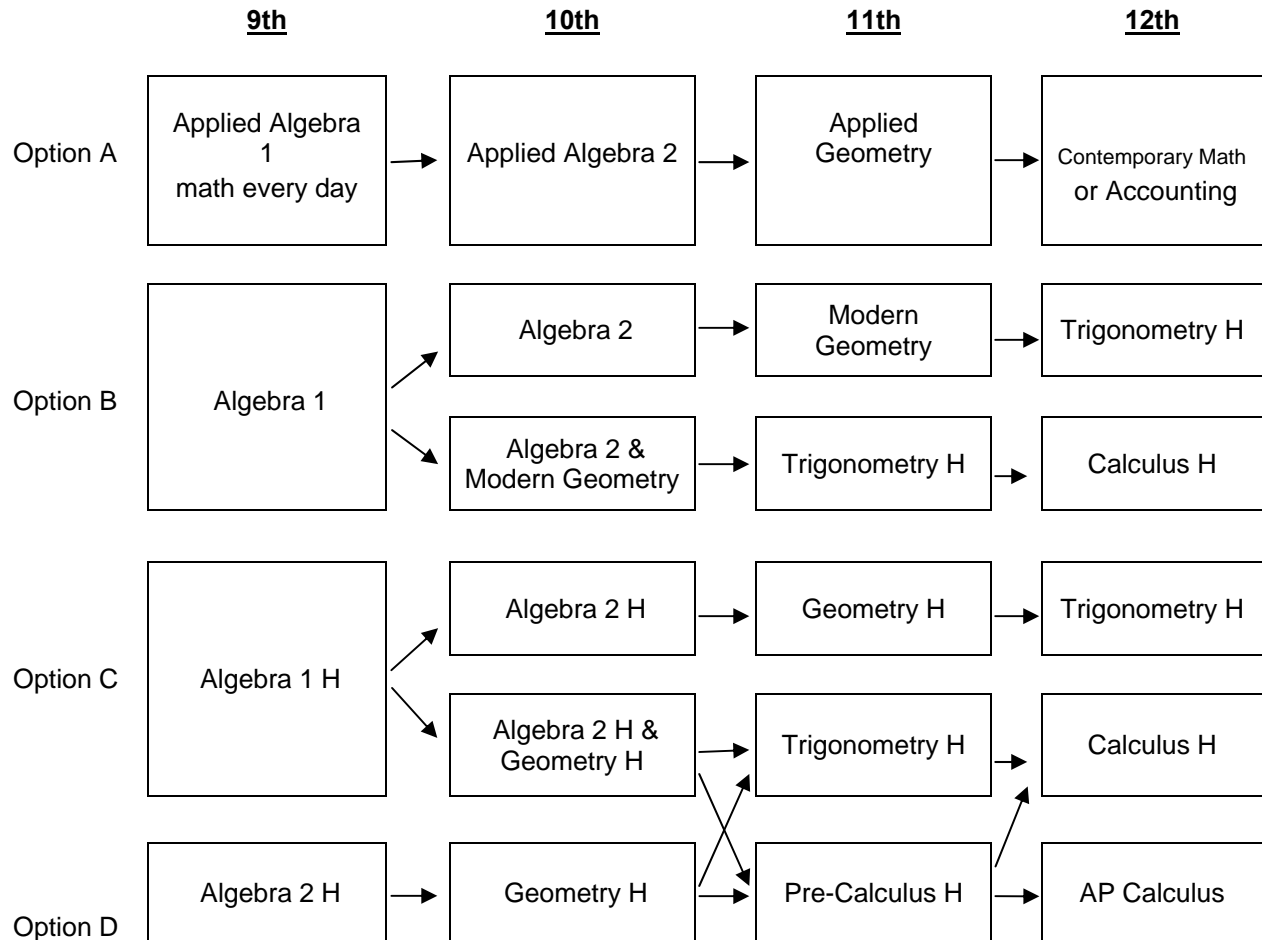
The course below is not an elective; students are placed in this class by the principal or the guidance counselor when warranted based on teacher recommendation, test scores and grades.

Course Title: **ACADEMIC LITERACY**
Grade/Course #: 9, 10, 11, 12 (0023)
Course Length: Semester (.5 credit)

Description: This course provides academic support and monitoring for students who need additional assistance in learning strategies or transition to high school. It also provides individualized monitoring of students' course work as well as individual and small group tutoring. Students are placed in this class by recommendation of the principal and guidance office. This course can be taken two consecutive semesters based on need.

MATHEMATICS SEQUENCES

By the end of Junior year all students must have completed geometry.



Electives

Grade	Subject
10, 11, 12	SAT Prep
11, 12	Probability & Statistics
9, 10, 11, 12	The Math of Music I

MATHEMATICS DEPARTMENT

Course Title: **APPLIED ALGEBRA I**

Grade/Course #: 9 (1130)

Course Length: Full year, A and B Day (Two credits)

Description: This course is designed for those students who are unable to maintain the pace of a standard Algebra I course. All of the same topics will be included, plus an emphasis on building basic math skills needed for success in Algebra I. Topics covered include integers, rational and irrational numbers, linear relations and functions, polynomial operations and factoring, exponential operations and an introduction to quadratic relations and functions.

Prerequisite: Recommendation from 8th grade teacher and PSSA math score from 8th grade

Course Title: **ALGEBRA I**

Grade/Course #: 9, 10, 11, 12 (1123)

Course Length: Full year (One credit)

Description: This course is concerned with the study of systematic ways for solving problems. Topics include integers, rational and irrational numbers, working with linear relations and their representations, polynomial operations, factoring and topics from probability and statistics. Prerequisite: "C" or better in previous math class or teacher recommendation.

Course Title: **ALGEBRA I - HONORS**

Grade/Course #: 9 (1124)

Course Length: Full Year (one credit)

Description: This course is concerned with the study of systematic ways for solving problems. Topics include integers, rational and irrational numbers, working with linear relations and their representations, polynomial operations, factoring and topics from probability and statistics. Topics will be covered in greater breadth and depth in the honors course.

Course Title: **APPLIED ALGEBRA 2**

Grade/Course #: 10 (1127)

Course Length: Full year (One credit)

Description: This course is for the student who has successfully completed Applied Algebra I. Topics covered will continue with problem solving skills encountered in Applied Algebra I. They include solving linear and quadratic equations, graphing linear and quadratic equations, systems of equations, and work with rational and irrational numbers. Prerequisite: Applied Algebra I or teacher recommendation from 9th grade teacher.

Course Title: **ALGEBRA II**

Grade/Course #: 10, 11, 12 (1139)

Course Length: Full year (One credit)

Description: This course provides a continuation and further refinement of problem solving skills encountered in Algebra I. Topics discussed include linear and quadratic relations, factoring, graphing, radicals, exponents, matrices and topics from probability and statistics. Prerequisite: Grade "C" or better in Algebra I

Course Title: **CONTEMPORARY MATH**

Grade/Course #: 11, 12 (1152)

Course Length: Full Year (one credit)

Description: This course is designed for career bound juniors and seniors who have successfully completed Algebra and Geometry. This course reviews algebra and geometry skills and their applications. However, the course will also include PSSA preparation, economic skills and mathematics needed by the average citizen.

Prerequisite: Algebra I or teacher recommendation.

Course Title: **ALGEBRA II - HONORS**

Grade/Course #: 9, 10 (1138)

Course Length: Full year (One credit)

Description: This course provides a continuation and further refinement of problem solving skills encountered in Algebra I. Topics discussed include linear and quadratic relations, factoring, graphing, radicals, exponential and logarithmic functions, matrices and topics from probability and statistics in greater breadth and depth than the regular Algebra II course.

Prerequisite: Grade "B" or better in Algebra I - 8 or Grade "B" in Algebra I or teacher recommendation.

Course Title: **APPLIED GEOMETRY**

Grade/Course #: 11, 12 (1140)

Course Length: Full year (One credit)

Description: This course is designed for students who have successfully completed Applied Algebra I and Applied Algebra II, have not yet taken a Geometry course, and who do not intend to take Trigonometry in high school. Curriculum topics will be similar to those in Modern Geometry, but with less emphasis on proof.

Prerequisite: Teacher recommendation.

Course Title: **MODERN GEOMETRY**

Grade/Course #: 10, 11, 12 (1137)

Course Length: Full year (One credit)

Description: This course is designed to study the formal structure of geometry. Topics covered include deductive reasoning, angles, segments, congruent triangles, parallelism, transformations, similarity, circles, and polygons. Emphasis is placed upon the use of precise language in the statement of definitions, postulates and theorems. A major objective of the course is to develop the ability of the student to reason creatively and critically in both mathematical and non-mathematical situations. Modern Geometry may be studied simultaneously with Algebra II

Prerequisite: "C" or better in Algebra I or teacher recommendation.

Course Title: **MODERN GEOMETRY-HONORS**

Grade/Course #: 10, 11 (1136)

Course Length: Full year (One credit)

Description: This course is designed to study the formal structure of geometry. Topics covered include deductive reasoning, angles, segments, congruent triangles, parallelism, transformations, similarity, circles, and polygons. Emphasis is placed upon the use of precise language in the statement of definitions, postulates and theorems. A major objective of the course is to develop the ability

of the student to reason creatively and critically in both mathematical and non-mathematical situations.

Prerequisite: "B" or better in Algebra or "B" in Algebra I or teacher recommendation.

Course Title: **TRIGONOMETRY AND ADVANCED MATH – (Honors)**

Grade/Course #: 11, 12 (1153)

Course Length: Full year (One credit)

Description: The trigonometry section of this course will last approximately one semester. It includes the theoretical aspects of trigonometry as well as problem solving. The remainder of the course covers topics in advanced algebra, analytic geometry, matrices, and the theory of equations.

Prerequisite: Grade "C" or better in Algebra II and Geometry or teacher recommendation.

Course Title: **PRE-CALCULUS – (Honors)**

Grade/Course #: 11, 12 (1154)

Course Length: Full year (One credit)

Description: The trigonometry section of this course will last approximately one semester. It includes the theoretical aspects of trigonometry as well as problem solving. Topics for the remainder of this course include advanced algebra, analytic geometry, and the theory of equations. There is also an in depth study of limits from a graphical, numerical, and algebraic approach. This course is designed for the student who intends to take AP Calculus.

Prerequisite: B or better in Modern Geometry and Algebra II H or teacher recommendation.

Course Title: **CALCULUS – (Honors)**

Grade/Course #: 12 (1160)

Course Length: Full year (One credit)

Description: This course is for any student planning to go to college. It will cover derivatives, integrals and their applications. It is for the student who desires an introduction to Calculus.

Prerequisite: "C" or better in Trigonometry/Pre-Calculus or teacher recommendation.

Course Title: **CALCULUS (ADVANCED PLACEMENT)**

Grade/Course #: 12 (1163)

Course Length: Full year (One credit)

Description: This course is designed to meet the needs of the student who will take the Calculus A.P. Exam. The derivative and integral will be covered from graphical, numerical, and algebraic approaches. Application problems and free response questions will be studied in detail.

Prerequisite: "B" or better in Pre-Calculus or teacher recommendation.

Course Title: **PROBABILITY AND STATISTICS – (Honors)**

Grade/Course #: 11, 12 (1455)

Course Length: Semester (.5 credit)

Description: This course will explore the concepts and processes used in analyzing data and in evaluating statistical claims about such. Data will be drawn from a variety of areas such as business, social sciences mathematics, science, medicine and education.

Prerequisite: Algebra I or teacher recommendation.

Course Title: **SAT PREP**
Grade/Course #: 10, 11, 12 (1405)
Course Length: Semester (.5 credit)

Description: This course will help prepare the students to earn the best possible score they are capable of achieving on PSAT/SAT/ACT tests. The class will become familiar with the purpose of the tests, their design and strategies for answering the types of questions encountered. Time will also be devoted to career and college exploration, the application process, and financial aid search.

Course Title: **THE MATH OF MUSIC I**
Grade/Course #: 9, 10, 11, 12 (1460)
Course Length: Semester (.5 credit)

Description: This course will explore the math and structure associated with music. data and in evaluating statistical claims about such. The focus will be on reading music, learning the key signatures utilizing the circle of 5ths and the circle of 4th. There will be a focus on the Major Scales and simple open chord structures. Students will apply the concepts learned to the guitar. No previous experience is necessary. However, the student is required to bring a guitar for each class period.

SCIENCE SEQUENCES

Regular

Grade	Subjects
9	Earth & Space Science
10	Biology
11 & 12	Applied Chemistry or Chemistry I or Ecology or Physical Science or Physics I (must be co-enrolled in Trigonometry to take Physics I)

Honors

Grade	Subjects
9	Earth & Space Science Honors
10	Chemistry I or Chemistry I Honors* and Biology or Biology Honors* *Must have teacher signature to take both Honors classes
11**	Physics I (must be co-enrolled in Trigonometry) or Chemistry II or Organic & Biochemistry or Human Anatomy and Physiology or Ecology
12**	Physics II Advanced Placement or Human Anatomy and Physiology or Chemistry II or Organic & Biochemistry or Ecology

**Students may choose to double up in sciences with teacher recommendation.

SCIENCE DEPARTMENT

Course Title: **EARTH AND SPACE SCIENCE**

Grade/Course #: 9 (2220)

Course Length: Full year (one credit)

Description: This course covers the concepts and principles associated with earth and space science. It is designed to provide the basic scientific skills necessary to advance to further courses of study in science. The student will study many of the major areas of earth and space science including metrics, geology, mineralogy, petrology, meteorology, earth history, plate tectonics, geologic mapping and astronomy. Laboratory exercises and activities are a major part of the course curriculum.

Course Title: **EARTH AND SPACE SCIENCE HONORS**

Grade/Course #: 9 (2221)

Course Length: Full year (One credit)

Description: This course covers the concepts and principles associated with earth and space science. The course of study is the same as general earth and space science, but the pacing and material is adapted to suit the needs of the accelerated student. Topics covered include metrics, geology, mineralogy, petrology, meteorology, earth history, plate tectonics, geologic mapping and astronomy. A major emphasis is placed on laboratory work and projects.

Prerequisite: Teacher recommendation required

Course Title: **BIOLOGY**

Grade/Course #: 10 (2230)

Course Length: Full year (One credit)

Description: This course covers the basic concepts and principles associated with the natural or life sciences. Included in this course are a discussion of the fundamentals of methodology used in science as well as metric measurement and microscopy. Selected unit topics discussed include but are not limited to cell structure and function, biochemistry, genetics, DNA structure and function, disease and immunity, and protein synthesis. Included is also a comprehensive examination of the six taxonomic kingdoms of living organisms. Emphasis is placed on the anatomy and physiology as well as the inter-relationships that all living organisms possess. Laboratory exercises are included as a supportive and supplemental activity throughout the course.

Course Title: **BIOLOGY HONORS**

Grade/Course #: 10 (2235)

Course Length: Full year (One credit)

Description: This course covers the basic concepts and principles associated with the natural or life sciences. The course content is essentially the same as general Biology, but pacing is adapted to suit the needs of the honors student. Therefore, topics will be more thoroughly explored through lab based activities and with greater emphasis to detail.

Prerequisite: Teacher recommendation

Course Title: **CHEMISTRY I**

Grade/Course #: 10, 11, 12 (2241)

Course Length: Full year (One credit)

Description: This course covers the basic principles of chemistry encompassing a study of science and matter in general. Specific emphasis on atomic structure and chemical bonding leads to a study of the composition, structure, and changes of matter. The main mathematical concepts relate to chemical compounds and chemical equations. A brief treatment of solids, liquids, gases, and solutions leads into an application of chemistry to practical situations. Laboratory exercises are included as a supportive and supplemental activity throughout the course.

Course Title: **CHEMISTRY I - HONORS**

Grade/Course #: 10, 11 (2242)

Course Length: Full year (One credit)

Description: This course covers the basic principles of chemistry encompassing a study of science and matter. The course content is essentially the same as general Chemistry I, but material and pacing are adapted to suit the needs of the honor student. A much greater emphasis to detail and labs will be included.

Course Title: **APPLIED CHEMISTRY**

Grade/Course #: 11,12 (2246)

Course Length: Full year (One credit)

Description: This course is designed for the non-collegiate student. The goal of this course is to give students an appreciation of the contributions and applications of chemistry. Concepts will be presented in a less mathematical approach than in the Chemistry I course. The main focus of this course is the application of chemical principles to everyday life, particularly to areas which affect people on a personal as well as global scale. The structure, properties, and changes of matter around us will be explored using a hands-on approach. Students will learn enough of the chemical theory and language to approach practical problems from a scientific perspective. Class participation in the form of questions and discussion is strongly encouraged.

Course Title: **PHYSICAL SCIENCE**

Grade/Course #: 11, 12 (2240)

Course Length: Full year (One credit)

Description: This course is designed for the non-college student. The goal of this course is to give the students an appreciation of the contributions and applications of physics to the everyday world. Concepts will be covered in a less mathematical approach than the Physics I Honors course. The focus of the course will be the study of, Forces, Motion, Energy, Electricity and Magnetism, Thermal Systems, & Geometric Optics. This course will incorporate hands-on applications to the conceptual knowledge for each topic.

Course Title: **PHYSICS I HONORS**

Grade/Course #: 11, 12 (2243)

Course Length: Full year (One credit)

Description: This course is designed to give the students an understanding of matter and energy and their transformations through applied mathematics. Areas of study include Motion, Force, Energy, States of Matter, Fluid Mechanics, and Thermodynamics. The course will include inquiry based labs to compliment the theoretical study of each topic. Students enrolled in this course need to have a strong mathematical background.

Prerequisite: Students must have completed or be co-enrolled in Trigonometry

Course Title: **CHEMISTRY II (ADVANCED PLACEMENT)**

Grade/Course #: 11, 12 (2265)

Course Length: Full year (One credit)

Description: This course expands on the basic principles covered in Chemistry I. It extends into other applications of chemistry. Topics covered include; gas laws, acids, bases, salts, chemical kinetics, equilibrium, stoichiometry, concentrations of solutions, reduction-oxidation reactions, electrochemistry, quantitative and qualitative analysis. A comprehensive knowledge of the principles of Chemistry I is required.

Prerequisite: Chemistry I and teacher recommendation

Course Title: **PHYSICS II ADVANCED PLACEMENT**

Grade/Course #: 12 (2253)

Course Length: Full year (One credit)

Description: This course is designed as a second year of study in Physics. The topics that are covered in this course include a review of the Physics I Topics in addition to, Electricity and Magnetism, Waves and Optics, and Atomic and Nuclear Physics. The course will include inquiry based labs to compliment the theoretical study of each topic. In addition the students will become familiar with the questioning and problem solving techniques that are commonly used on the Advanced Placement Exam.

Prerequisite: Students must have completed Physics I honors to enroll in this course.

Course Title: **ORGANIC/BIOCHEMISTRY HONORS**

Grade/Course #: 11, 12 (2267)

Course Length: Full year (One credit)

Description: This course will consist of three quarters of organic chemistry and one quarter of biochemistry. Organic chemistry will consist of the naming of organic compounds using both the common methods as well as the I. U. P. A. C. styles. The course will also consist of the mechanisms that occur during reactions and finally the synthesis of organic compounds. The biochemistry component of the course will integrate the organic component with the basic functions of body functions such as DNA replication and protein synthesis to respiration. This course is strongly recommended to those interested into going into any science field in college as well as those going into medicine, chemistry, biology and biochemistry.

Prerequisite: Chemistry I and teacher recommendation

Course Title: **HUMAN ANATOMY AND PHYSIOLOGY HONORS**

Grade/Course #: 11, 12 (2276)

Course Length: Full Year (One credit)

Description: This course is an anatomy and physiology course dealing with the physiological and anatomical components associated with the human organism. A review of the basic principles of chemistry and biology are covered prior to an *indepth* study of the human body. This course is designed to follow the anatomy and physiology courses offered at Mercyhurst North East associated with their nursing program. In addition, a long term detailed dissection of a higher vertebrate animal will be utilized for comparative anatomical purposes. This course is designed for those students who are endeavoring to follow a career in health related careers such as, but not limited to: Medicine, nursing, physical therapy, laboratory science, paramedic.... The student who selects this course should enjoy learning detailed information and processes relating to the human structure and function.

Prerequisite: Biology, teacher recommendation mandatory

Course Title: **ECOLOGY/ ENVIRONMENTAL SCIENCE**

Grade/Course #: 11, 12 (2238)

Course Length: Full Year (One credit)

Description: This course introduces the student to the concepts involving the interactions that occur between living organisms and the physical habitats they live in. Factors that influence the natural balance of ecosystems are described and demonstrated through discussion and laboratory based curriculum. Topics such as biomass and energy flow through trophic levels, conservation, biogeochemical and nutrient cycles, pollution, natural selection, species diversity, and ecological succession will make up the foundation for this class.

Prerequisite: Earth and Space Science and Biology

SOCIAL STUDIES SEQUENCES

Regular

Grade	Subject
9	American History II
10	Contemporary World Cultures
11	Western Civilization
12	Principles of Democracy

Honors

Grade	Subject
9	American History II Honors
10	Contemporary World Cultures Honors
11	Western Civilization Honors
12	Principles of Democracy Honors

Advanced Placement Sequence

Grade	Subject
9	American History II Honors
10	Contemporary World Cultures Honors
11	European History -A.P. or American Government and Politics Advanced Placement or Western Civilization Honors
12	American Government and Politics Advanced Placement, or European History -A.P.

Electives

Grade	Subject
9, 10	Contemporary Issues
11, 12	Psychology/Sociology
10, 11, 12	Ethnic Conflict: An Ethical Crisis
11, 12	Pennsylvania and Local History
9, 10, 11, 12	Street Law

SOCIAL STUDIES DEPARTMENT

Course Title: **AMERICAN HISTORY II**

Grade/Course #: 9 (3320)

Course Length: Full year (One credit)

Description: The purpose of this course is to introduce the major phases of political, economic, social, geographical, and historical development of the United States after the Industrial Revolution. The students will study the basic principles under which America operates and the trends that have occurred in order to understand the present and the future.

Course Title: **AMERICAN HISTORY II HONORS**

Grade/Course #: 9 (3325)

Course Length: Full year (One credit)

Description: The purpose of this course is to introduce the major phases of political, economic, social, geographical, and historical development of the United States after the Industrial Revolution. In this process the students will be required to demonstrate comprehension of the knowledge gained and apply this content through the utilization of higher order thinking skills. Essentially, the students will examine our nation's past to understand how it shaped, and continues to shape, the present and the future.

Prerequisite: Minimum of a 90% in previous social studies courses and/or teacher recommendation.

Course Title: **CONTEMPORARY WORLD CULTURES**

Grade/Course #: 10 (3330)

Course Length: Full year (One credit)

Description: Contemporary World Cultures begins with basic concepts that define and constitute culture and man's cultural developments and achievements. Contemporary World Cultures will conclude with studies of specific cultural areas from around the world that illustrate the similarity and diversity of cultural characteristics such as: attitudes, beliefs, lifestyles, and explore the interactions and interdependence of these cultures worldwide.

Course Title: **CONTEMPORARY WORLD CULTURES HONORS**

Grade/Course #: 10 (3333)

Course Length: Full year (One credit)

Description: This course provides in-depth studies of select cultural areas. Emphasis will be placed on each regions location, physical geography, history, culture, economy, political structure, and world interdependence. Public speaking skills and written expression are incorporated. In addition to examinations, students will demonstrate acquired knowledge through independent research projects and group presentations.

Prerequisite: Minimum of 90% in previous social studies courses and/or teacher recommendation.

Course Title: **WESTERN CIVILIZATION**

Grade/Course #: 11 (3340)

Course Length: Full year (One credit)

Description: "Western Civilization" traces the conceptual development of mankind's progress in today's world beginning with the earliest known civilizations. The course will attempt to define those forces that have contributed to man's development through historical periods consisting of Ancient Civilizations, Medieval times, the Renaissance, and modern Europe.

Course Title: **WESTERN CIVILIZATION HONORS**

Grade/Course #: 11 (3345)

Course Length Full year (One credit)

Description: This course will have the same scope and sequence as Western Civilization course, but the material will be covered faster and more in-depth. The students will be required to utilize higher-order thinking skills in various research projects as well as every day activities. The material covered ranges from Ancient Civilizations, the Middle Ages and the Renaissance through modern Europe.

Prerequisite: Minimum of 90% in previous social studies courses and/or teacher recommendation.

Course Title: **EUROPEAN HISTORY (ADVANCED PLACEMENT)**

Grade/Course #: 11 (3365)

Course Length: Full year (One credit)

Description: The course covers the history of Europe from the Renaissance through the present, including an introduction, which covers ancient civilizations and the Middle Ages. Students not only learn factual historical information, but they analyze the political, economic, social and intellectual aspects of European history as well. A student may earn up to 3 college credits with successful completion of the advanced placement test. Advanced placement examinations are given upon request at the end of the year. The student must make an application for the course and is accepted on the recommendation of the instructor and the guidance counselor. All students and their parents must sign a contract indicating that they are aware of the advanced nature of the course.

Prerequisite: Minimum of a 90% in previous social studies courses and/or teacher recommendation.

Course Title: **PRINCIPLES OF DEMOCRACY (P.O.D)**

Grade/Course #: 12 (3350)

Course Length: Full year (One credit)

Description: P.O.D. introduces students to the American system of government. Beginning with the foundations of government, this course encompasses the Executive Branch, Legislative Branch, and Judicial Branch as well as the rights and responsibilities of an American citizen. The U.S. political system is studied, including the electoral process, political parties, and the role of interest groups and public opinion. State and local government systems are also addressed.

Course Title: **PRINCIPLES OF DEMOCRACY HONORS**

Grade/Course #: 12 (3351)

Course Length: Full year (One credit)

Description: The purpose of this course is to provide an in-depth study of the American system of government. Early political philosophies, charters, and constitutions are utilized to understand the framework for the foundation of government. Through independent research assignments, students work beyond the content as they analyze and evaluate current political policies and practices within the ideals set forth by America's founding members. Special emphasis is given to the system of checks and balances and how it directly relates to current issues facing the three branches of government. International relations through the American political agenda are focused on, as well.

Prerequisite: Minimum of a 90% in previous social studies courses and/or teacher recommendation.

Course Title: **AMERICAN GOVERNMENT AND POLITICS (ADVANCED PLACEMENT)**
Grade/Course #: 12 (3375)
Course Length Full year (One credit)

Description: The course will examine the formal institutions, political participants and policy making process of the United States government. Students will evaluate each institution, its political leaders, the policies made by each institution and how each policy is influenced by the informal institutions such as interest groups, constituents, media etc; and the ultimate effect of such decisions upon the electorate. The students will ultimately be prepared to take an active role in the political process. To this end, students will read, interpret and respond critically to a variety of texts and documents chosen to increase their awareness. Advanced placement examinations are given upon request at the end of the academic year. A student may earn up to 3 college credits upon successful completion of the advanced placement exam.

Prerequisite: Minimum of 90% in previous social studies courses and/or teacher recommendation.

Course Title: **CONTEMPORARY ISSUES**
Grade/Course #: 9, 10 (3210)
Course Length: Semester (.5 credit)

Description: The main intent of this course is to bring student awareness of the major issues facing mankind today. During the course of the semester students will address, discover, and explore significant world issues such as; population trends, global warming/climate change, hunger, poverty, human rights, the environment, and geopolitical issues. The student will gain varying perspectives through role play activities, research and presentation of the issues.

Course Title: **PENNSYLVANIA AND LOCAL HISTORY**
Grade/Course #: 11, 12 (3200)
Course Length: Semester (.5 credit)

Description: This course explores the historical development of Pennsylvania and the local region from early settlement to modern times. Particular emphasis will be placed on the contributions of Pennsylvania during the various significant events of our nation. The student will gain a better perspective of the rich diverse heritage of our commonwealth by actively participating in local field trips and in class living history programs.

Course Title: **PSYCHOLOGY/SOCIOLOGY**
Grade/Course #: 11, 12 (3346)
Course Length: Semester (.5 credit)

Description: This course encompasses an introduction to the fields of psychology and sociology. With an emphasis in psychology, students will learn the methods used in conducting psychological research, as well as participate in activities concerning the areas of "Learning", "Memory and Thought", and "Sensation and Perception". Concentration will be given to the studies of "Altered States of Consciousness", "Disturbance and Breakdown", "Personality Theory", "Stress and Conflict", "Attitudes and Social Influence", and "Therapy and Change". Students will conclude with a sociological approach to increase their awareness of the individual with respect to other individuals, groups, institutions, and social issues.

Course Title: **ETHNIC CONFLICT: AN ETHICAL CRISIS**
Grade/Course #: 10, 11, 12 (3347)
Course Length: Semester (.5 credit)

Description: This course studies examples of genocide and crimes against humanity, analyzing the causes and effects of these events in an effort to determine methods of prevention. Students will study individuals and groups who stood up for and aided victims of injustice at great risk to their own lives, and learn what it takes to act ethically in the face of intolerance. Major topics of study will include (but are not limited to) the treatment of Native Americans, slavery, the Armenian Massacre, the Holocaust, genocide in Rwanda and Darfur, and ethnic conflict in the Balkan Peninsula.

Course Title: **STREET LAW**
Grade/Course #: 9, 10, 11, 12 (3215)
Course Length: Semester (.5 credit)

Description: Going beyond abstract theory, Street Law meets students “on the street” and addresses the legal and civic issues that impact their everyday lives. Updated topics in this edition include cyber crime, identity theft, intellectual property rights, terrorism, immigration, and recent Supreme Court decisions. Street Law is a unique blend of content and methods by the pioneers in law-related education to promote law, democracy and human rights. Using this program you will be able to engage students in a practical understanding of the law and legal system with interactive methods that focus on legal issues relevant to students’ lives.

WORLD LANGUAGE DEPARTMENT

Many colleges and universities are requiring at least 2 years of a world language as an admission criteria. It is recommended that students considering post-secondary study complete a 4 year language sequence. Students are also encouraged to study a second world language sequence while completing a first.

Course Title: **SPANISH I**
Grade/Course #: 9, 10, 11, 12 (4523)
Course Length: Full year (One credit)

Description: This is an introductory course in basic Spanish language skills. It is designed to develop the student's ability to understand, read, write, and speak elementary Spanish. Also included is the study of the grammatical structure of the language in conjunction with some cultural traits about Hispanic peoples and cultures.

Prerequisite: All students must have a "C" average in English.

Course Title: **SPANISH II**
Grade/Course #: 10, 11, 12 (4533)
Course Length: Full year (One credit)

Description: This course is a continuation of Spanish I, presenting a more analytical study of grammatical structure and civilization of the Hispanic countries.

Prerequisite: Spanish I, with a "C" average or better or teacher recommendation

Course Title: **SPANISH III – (Honors)**
Grade/Course #: 11, 12 (4543)
Course Length: Full year (One credit)

Description: This course expands and refines students' abilities in the areas of written and oral expression as well as listening and reading comprehension. Spanish is used extensively in the classroom by the teacher. Students are also expected to make extensive use of Spanish as a means of communication while in class. Advanced grammatical and communicative structures are studied and practiced in depth. Authentic materials including texts, videos, and tapes are used. Cultural aspects are studied in greater detail.

Prerequisite: Spanish II, with a "C" average or better or teacher recommendation

Course Title: **SPANISH IV – (Honors)**
Grade/Course #: 12 (4553)
Course Length: Full year (One credit)

Description: This course further expands and refines students' written and oral expression as well as listening and reading comprehension. Spanish is used extensively in the classroom by the teacher. Students are also expected to use Spanish as the primary means of classroom communication. Through new vocabulary and topics students will review and reinforce structures previously studied. New advanced grammatical and communicative structures will also be studied and practiced in depth. Authentic materials including texts, videos, and tapes are used. Cultural aspects are studied in greater detail.

Prerequisite: Spanish III, with a "C" average or better or teacher recommendation

Course Title: **FRENCH I**
Grade/Course #: 9, 10, 11, 12 (4529)
Course Length: Full year (One credit)

Description: French I is a basic course in language acquisition. In addition to the basics of grammar and vocabulary, students will learn cultural and social customs unique to the French speaking countries. The course will concentrate on developing the areas of speaking, reading, writing, and comprehension.

Prerequisite: All students must have a "C" average in English.

Course Title: **FRENCH II**
Grade/Course #: 10, 11, 12 (4539)
Course Length: Full year (One credit)

Description: French II is an extension of the first year course with more concentration in the areas of speaking, reading, writing and comprehension. The basic vocabulary learned in the first level is built upon, giving the students more flexible materials with which to work. Grammar is also studied in a more detailed manner, expanding upon the basic grammar of French I.

Prerequisite: French I, with a "C" average or better or teacher recommendation

Course Title: **FRENCH III – (Honors)**
Grade/Course #: 11, 12 (4549)
Course Length: Full year (One credit)

Description: The student participating in this course is exposed to some literature and short story work. French III involves continual development of the skills of writing, reading and grammar comprehension. Literature and grammar are emphasized in both levels.

Prerequisite: French II, with a "C" average or better or teacher recommendation

Course Title: **FRENCH IV – (Honors)**
Grade/Course #: 11, 12 (4559)
Course Length: Full year (One credit)

Description: The student participating in this course is exposed to some literature and short story work. French IV involves the continual development of the skills of reading, speaking, writing and grammar comprehension. Literature and grammar are emphasized.

Prerequisite: French III, with a "C" average or better or teacher recommendation

Course Title: **GERMAN II**
Grade/Course #: 10, 11, 12 (4537)
Course Length: Full year (One credit)

Description: German II is an extension of the first year course with more concentration in the areas of speaking, reading, and writing. The basic vocabulary learned in the first level is built upon, giving the student more flexible materials with which to work. Grammar is also studied in a more detailed manner, expanding upon the basic grammar of German I.

Prerequisite: German I, with a "C" average or better or teacher recommendation

Course Title: **GERMAN III – (Honors)**
Grade/Course #: 11, 12 (4547)
Course Length; Full year (One credit)

Description: The student participating in this course is exposed to some literature and short story work. German III involves a continual development of the skills of writing, reading, speaking, and grammar comprehension. Literature and grammar are emphasized in both levels.

Prerequisite: German II, with a "C" average or better or teacher recommendation

Course Title: **GERMAN IV – (Honors)**
Grade/Course #: 12 (4557)
Course Length: Full year (One credit)

Description: The student participating in this course is exposed to some literature and short story work. German IV involves a continual development of the skills of writing, reading, speaking, and grammar comprehension. Literature and grammar are emphasized in both levels.

Prerequisite: German III, with a "C" average or better or teacher recommendation

BUSINESS DEPARTMENT

Course Title: **PERSONAL KEYBOARDING/INTRO TO MICROSOFT**

Grade/Course #: 9, 10, 11, 12 (5044)

Course Length: Semester (.5 credit)

Description: This is a required course for graduation. It is designed so that the student will learn to type by touch. The student learns to type with acceptable speed and with accuracy. While acquiring these skills, the student learns beginning word processing techniques allowing him/her to create letters, tables, reports, and numerous other documents. Each student will prepare a personal cover letter and resume as a final project. An introduction to Microsoft Word, Excel, PowerPoint, and Access is included.

Course Title: **ACCOUNTING I**

Grade/Course #: 10, 11, 12 (5038)

Course Length: Full Year (One credit)

Description: This course is designed to make the student knowledgeable about business organization, procedures, terms, and operation. The student learns how to keep simple records for a service business organized as a proprietorship and a merchandising business organized as a partnership. Instruction is given on the accounting cycle, cash control systems, and payroll accounting, taxes, and reports. This course may be used as a mathematics requirement for graduation.

Course Title: **ACCOUNTING II**

Grade/Course #: 11, 12 (5048)

Course Length: Full year (One credit)

Description: This course is designed to give the student a more in depth look at accounting procedures. Accounting I procedures are reviewed and new procedures are learned for keeping records of a corporation. A four- to six-week simulation is completed during the year using the methods previously learned. An introduction to computerized accounting through the use of a spread sheet will be completed during the last semester.

Prerequisite: Accounting I with a minimum of a C final grade or teacher recommendation.

Course Title: **BUSINESS LAW**

Grade/Course #: 11, 12 (5051)

Course Length: One Semester (.5 credit)

Description: This course is designed to develop an understanding of personal rights and obligations in business situations. During the course, the student gains an understanding of how our system of law developed and how it operates today. He/She learns the law as it applies to both civil and criminal law. Each unit provides examples of cases which relate to common experiences.

Course Title: **ENTREPRENEURSHIP**

Grade/Course #: 9, 10 (5054)

Course Length: One Semester (.5 credit)

Description: This is an introductory course designed to provide an understanding of how a business functions in today's society. This course covers different economic systems, business organization, banking services, marketing, consumerism, and insurance.

Course Title: **INVESTING IN YOUR FUTURE**

Grade/Course #: 11, 12 (5060)

Course Length: One Semester (.5 credit)

Description: This course stresses the importance of planning for life and setting goals while providing the knowledge that is necessary to meet responsibilities. Subjects examined include: money management principles, financial planning, the power of investing, and the importance of protecting yourself. Much of the research is done through the use of internet resources. Students have the opportunity to develop a portfolio of financial information to use later in life.

TECHNOLOGY EDUCATION DEPARTMENT

Course Title: **INTRO TO GRAPHIC LANGUAGE OR GRAPHIC LANGUAGE**

Grade/Course #: 9, 10, 11, 12 (6225) Intro (6230) Full Year

Course Length: Semester (.5 credit) or Full year (One credit)

Description: This course strives to increase the student's ability and skill to interpret his/her impressions and visualize them clearly in a given space by means of an accepted set of conventions and abbreviations. The course work is comprised of learning the basics of lettering (construction and spacing), proper line usage (visible, hidden, center, etc.), plate layout, proper instrument usage. Various methods of projection, ellipse construction, dimensioning, and pattern layout. An introduction to CAD which encompasses the use of computer hardware, software, and peripheral devices to produce graphic images.

Course Title: **ADVANCED GRAPHIC LANGUAGE**

Grade/Course #: 10, 11, 12 (6356)

Course Length: One year (One credit)

Description: This is an advanced precision instrument drawing class with project drawings in orthographic, isometric, and oblique projections, dimensions, section views, fasteners, assembly, developmental and architectural drawing. Extensive use of CAD and drawings from industry will be covered.

Prerequisite: **Graphic Language**

Course Title: **INTRO TO MATERIALS TECHNOLOGY OR MATERIALS TECHNOLOGY**

Grade/Course #: 9, 10, 11, 12 (6450) Intro (6455) Full Year

Course Length: Semester (.5 credit) or Full year (One credit)

Description: The study of the construction and manufacturing industries and their relationship to all industrial technologies will be researched. Materials, tools, safety procedures, and processes that are basic to all materials will be explored through assigned problems and projects.

Course Title: **ADVANCED MATERIALS PROCESSES**

Grade/Course #: 10, 11, 12 (6470)

Course Length: Full year (One credit)

Description: This course provides an in-depth study of materials and processes of construction and manufacturing technology. Design, tooling, and advanced processes are covered. Assigned projects plus student-designed projects are required.

Prerequisite: **Materials Technology and Graphic Language.**

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Course Title: **CAREER DISCOVERY**

Grade/Course #: 9, 10 (6100)

Course Length: Semester (.5 credit)

Description: This course will help student identify personal strengths and work ethics, learn about the work environment, and create an electronic career portfolio.

Course Title: **FOOD AND NUTRITION**

Grade/Course #: 10, 11, 12 (6200)

Course Length: Semester (.5 credit)

Description: This is an intermediate study of food and nutrition and how eating habits affect your body over your lifetime. The course will include nutrition, personal nutrient log, and intermediate food preparation skills. This course will also address ethnic foods and customs. A \$10.00 foods lab fee is required. **Prior completion of Intro to Family and Consumer Science is strongly recommended.**

Course Title: **CHILD DEVELOPMENT**

Grade/Course #: 9, 10, (6220)

Course Length: Semester (.5 credit)

Description: This course is designed as an in-depth study of the process of human development. Learn about physical, social, intellectual and emotional development of children and teens. Students will be required to carry an infant simulator, and learn about childcare techniques.

Course Title: **CLOTHING, TEXTILES, AND DESIGN**

Grade/Course #: 9, 10, 11, 12 (6300)

Course Length: Semester (.5 credit)

Description: This course includes a study of body type, clothing style selection, and clothing care. Students will study and demonstrate the use of textiles, sewing equipment, clothing construction and design. Students will be required to purchase supplies and fabrics to construct a variety of individual projects.

Course Title: **INTERIOR DESIGN**

Grade/Course #: 9, 10, 11, 12 (6150)

Course Length: Semester (.5 credit)

Description: This course is designed for the student who has an interest in home interiors and decoration. Topics covered will include furniture design, the elements and principles of design, furniture selection, decorating, organizing and caring for personal space.

Course Title: **FOOD PREPARATION**

Grade/Course #: 11, 12 (6250)

Course Length: Semester (.5 credit)

Description: This course is designed for the student who has an interest in a foods-related career. This course will cover specific advanced food preparation skills required for meal presentation. This will be taught primarily as a laboratory course. Areas covered will include kitchen safety and sanitation, menu planning, restaurant menus, appetizers, soups, salads, breads, vegetables, entrees and desserts. A \$10.00 foods lab fee is required. Prior completion of Intro to Family and Consumer Science is strongly recommended.

Course Title: **SERVICE LEARNING**

Grade/Course # 11, 12 (6394)

Course Length: Semester (.5 credit)

Description: This course is designed to allow students the opportunity to perform community service or volunteer hours. Hours are recorded with a swipe-card time clock. Students are required to keep a detailed log of service activities, and submit a final reflection about their experience. Attendance record is graded, and must be consistent to remain enrolled. Students may take this course **only one time** during Junior year and **only one time** during Senior year.

FINE ARTS DEPARTMENT

Course Title: **STUDIO I**
Grade/Course #: 9, 10, 11, 12 (7005)
Course Length: Semester (.5 credit)

Description: *Drawing* (three weeks of instruction)-Students will learn the basic principles of shading techniques, realistic proportions and perspective using a variety of drawing mediums. *Painting* (four weeks of instruction)-Students will familiarize themselves with painting materials and techniques. They will develop skills in line, color, shape, texture and their relationships. *Ceramics* (four weeks of instruction)-Students will learn the basic properties of clay and hand building techniques such as pinch, coil and slab. They will broaden their design skills by incorporating glazing techniques. *3-D Design* (four weeks of instruction)-Students will develop their skills in design to manipulate a variety of media into three-dimensional pieces. The students will have references to art history, artists and art movements throughout the course.

Course Title: **CERAMICS I**
Grade/Course #: 9, 10, 11, 12 (7055)
Course Length: Semester (.5 credit)

Description: This course is designed to allow the student an opportunity to learn, in depth, the basic skills and techniques of the various methods of ceramic construction, for example, the pinch, the coil, the slab, the wheel thrown and their combinations. Opportunity is also given for the development of the design and technical skills necessary for both sculptural and functional ceramics.

Course Title: **ADVANCED CERAMICS**
Grade/Course #: 10, 11, 12 (7065)
Course Length: Semester (.5 credit)

Description: This course is designed to allow the student to advance the basic skills learned in ceramics I. Students will also learn how to make clay, engobes, stains and glazes. To enhance further experiences that student will be called upon to assist in the loading, firing, and unloading of oxidation and reduction fired kilns.
Prerequisite: Ceramics I

Course Title: **ADVANCED CERAMICS**
Grade/Course #: 11, 12 (7075)
Course Length: Semester (.5 credit)

Description: This course is designed to allow the serious ceramics student an opportunity to work with the instructor in formulating and pursuing problems relating directly to their personal development as an artist/potter.
Prerequisite: Grade B or better in Ceramics II

Course Title: **GRAPHICS**
Grade/Course #: 9, 10, 11, 12 (7085)
Course Length: Semester (.5 credit)

Description: This printmaking course is designed primarily as a means to expand the student's experiences in the areas of the stamp, the rubbing, the etching, the wood cut, the lithograph and the silkscreen. The student has an opportunity to experiment with the technical and aesthetic aspects of designing for each of the above. In addition to the artistic aspects, the student is exposed to the practical application of these graphic reproductive techniques, for example, printing of t-shirts, programs, posters, and other advertising items.

Course Title: **PAINTING I**
Grade/Course #: 9, 10, 11, 12 (7125)
Course Length: Semester (.5 credit)

Description: This course will further develop the students skills' in design and composition The students will expand their experimentation with acrylics, watercolor, tempa and oil paints. The students will become knowledgeable in the stretching of canvas and various advanced painting techniques. The student has the opportunity to become more expressive with the mediums while completing more complex assignments.

Course Title: **PAINTING II**
Grade/Course #: 10, 11, 12 (7135)
Course Length: Semester (.5 credit)

Description: This course is designed to allow students to further develop their expression of personal style. The students will limit their experimentation of mediums while further refining their painting skills. The students will be expected to broaden their knowledge of terminology, painting techniques and historical insight.

Prerequisite: Painting I

Course Title: **PAINTING III**
Grade/Course #: 11, 12 (7145)
Course Length: Semester (.5 credit)

Description: This course is designed to allow students to further develop their expression of personal style. The students will limit their experimentation of mediums while further refining their painting skills. The students will be expected to broaden their knowledge of terminology, painting techniques and historical insight.

Prerequisite: Grade B or better in Painting II

Course Title: **PHOTOGRAPHY**
Grade/Course #: 11, 12 (7255)
Course Length: Semester (.5 credit)

Description: This course introduces the student to the basics of film and digital photography through various assigned projects that explore each medium. Training in the operation of the camera, (film and digital) developing, and printing will be covered. Students will also become proficient in the use of Photoshop as a digital editing tool and as a graphic design program. Students are required to have access to a digital camera.

Course Title: **ART APPRECIATION/HISTORY**
Grade/Course #: 9, 10, 11, 12 (7305)
Course Length: Semester (.5 credit)

Description: This course is a survey of the major visual art forms including: painting, sculpture, architecture and minor arts, from the dawn of history to the present day.

Course Title: **3-D DESIGN**
Grade/Course #: 9, 10, 11, 12 (7505)
Course Length: Semester (.5 credit)

Description: This course introduces the students to the basic elements and principles of design. The students will experiment with a variety of materials in developing skills in dimensional problem solving. The students develop their awareness of various techniques and artists associated with three-dimensional design.

Course Title: **3-D DESIGN II**
Grade/Course #: 10, 11, 12 (7515)
Course Length: Semester (.5 credit)

Description: This course further develops the student's skills in materials, methods and approaches. The students will expand their knowledge of movements and influences associated with 3-D Design. They will broaden their sensitivity to the uniqueness of creating conventional and contemporary sculpture.

Prerequisite: 3-D Design

Course Title: **2-D DESIGN**
Grade/Course #: 9, 10, 11, 12 (7525)
Course Length: Semester (.5 credit)

Description: This course introduces the student to drawing and graphic design covering an overview of shading, perspective, design theory and image. Projects will stimulate the application of creative thinking to solving two-dimensional drawing and graphic design problems.

MUSIC

Course Title: **SENIOR BAND**
Grade/Course #: 9, 10, 11, 12 (7400)
Course Length: Full year (One credit)

Description: This course allows the student who already has a strong instrumental background to increase his/her abilities and knowledge of instrumental music through individual lessons, group lessons, small ensemble rehearsal and performance, concert band rehearsal and performance, and marching band rehearsal and performance. A wide range of concert and marching band literature is played throughout the year. The band represents the school in both concert and marching settings at various civic and school functions. All students are required to participate in marching band if enrolled in this course. Exceptions will be made, at the discretion of the director, for students involved in fall sports and activities that conflict with marching band rehearsals and performances.

Course Title: **SENIOR CHORUS**
Grade/Course #: 9, 10, 11, 12 (7445)
Course Length: Full year (One credit)

Description: This course provides the student with an opportunity to find expression creatively through vocal music. Sight-reading and sight singing are incorporated into the course throughout the year. Good choral techniques and attitudes are emphasized. The repertoire is determined by the size and ability of the group. Senior chorus students are required to perform at all concerts and school functions.

Course Title: **MUSIC THEORY**
Grade/Course #: 11, 12 (7485)
Course Length: Semester (.5 credit)

Description: Students will learn the fundamentals of music theory beginning with the reading of notes in treble and bass clef, vocabulary, intervals, key signatures, scale structures and rhythmic analysis. Students will then progress into introductory composition and chordal analysis using figured bass notation leading to analysis of Bach chorales. Music Technology will also be demonstrated and many programs will be utilized for this course. This course is designed for the middle to advanced music student and is not intended for beginners or people with little or no music experience.

Course Title: **JAZZ BAND**
Grade/Course #: 9, 10, 11, 12 (7605)
Course Length: Full year (One credit)

Description: This course includes the basic-to-advanced concepts of American jazz with the emphasis on jazz styles such as blues, swing, bebop, funk and jazz rock. The prerequisite for the course is a thorough knowledge of one's instrument with an understanding to sight-read music as well as participate as a group. Good technique and attitudes are also addressed throughout the year. It is under the discretion of the jazz band director for a student to participate in this group. The course is primarily intended for the student who is serious about studying American jazz and learning jazz improvisation techniques. The latter of these is needed in order to play a solo in class which is done by listening to jazz pieces and the study of improvisation through reading chords. Outside practice will be required due to the difficulty level of the music. The repertoire is determined by the ability of the group to achieve a quality performance. All students are also required to perform at all concerts and school functions.

Course Title: **GUITAR CLASS**

Grade/Course#: 9, 10, 11, 12 (7500)

Course Length: Semester (.5 credit)

Description: No experience playing guitar is necessary. This course is designed for anyone who wants to learn the basics of guitar playing or for the established guitarist that wants to learn how to read tablature and music. Topics to be covered include: Fundamental techniques for guitar emphasizing chord study and related literature are presented. Areas of study include chords, right-hand picking and strumming patterns, exercises, theory as applied to the guitar, history of the guitar (physical development of the instrument, as well as playing styles), reading musical notation plus tablature, basic rock and blues rock, and blues solo and rhythm techniques. Concepts learned in class will be applied to songs and appropriate chord progressions. Participants must provide their own guitar and accessories (picks, strings, etc.)

PHYSICAL EDUCATION DEPARTMENT

Course Title: **DRIVER EDUCATION/HEALTH 1**

Grade/Course #: 9 and 10 (9002)

Course Length: Semester (.5 credit)

Description: Health: This **required** class is designed to provide the student with instruction focused on information that will help them develop into healthy adults. This class will provide instruction in topics such as Wellness - stress, personality development, healthy emotions, Nutrition, Alcohol/Tobacco and Substance abuse, CPR/First Aid.

Driver Education: This course provides 32 hours of classroom instruction designed to develop the proper skills and attitudes for the safe operation of a motor vehicle. The course provides the opportunity for 6 hours of behind-the-wheel instruction for the student with a learner's permit or valid operator's license. **Driver Education requires a lab fee of \$100.00**

Course Title: **HEALTH/PHYSICAL EDUCATION 2**

Grade/Course #: 11 and 12 (9012)

Course Length: Semester (.5 credit)

Description: Health: This **required** class is designed to provide students with instruction focused on information that will help them develop into healthy adults. It will include topics such as Noninfectious diseases, Infectious diseases – STD's, sexual harassment, healthy relationships, Aging & Health Care and Lifelong fitness. Students will be given the opportunity to receive CPR certification.

Physical Education: This required course provides the student with instruction and participation in activities that include but are not limited to flag football, soccer, lacrosse, volleyball, basketball, tennis and softball. Students will be tested on basic knowledge, of rules and terminology and strategies. Students will be assessed on their fitness abilities, effort, and attitude as well as by completing the President's Council on Physical Fitness Testing. Each student must complete the mile in the given time in order to maintain an A or B grade. The class aims to develop an understanding of the rights of others through good sportsmanship and teamwork.

Course Title: **TEAM SPORTS**

Grade/Course #: 9, 10, 11, 12 (9022)

Course Length: Semester (.5 credit)

Description: This class is designed to allow the student to participate in team sport activities. The student will receive greater depth of instruction in specialized activities. Teams will be established for class tournaments. The student will also receive instruction in conditioning skills and drills for each sport. Sports will include but will not be limited to the following: basketball, soccer, floor hockey, flag football, lacrosse, volleyball, pickleball, team handball. Students will be assessed on their fitness abilities by participating in the presidents Council on Physical Fitness testing. Each student must complete the mile in the given time in order to maintain an A or B grade. The class aims to develop an understanding of the rights of others through good sportsmanship and teamwork. Students will be given the opportunity to receive CPR certification.

Course Title: **LIFETIME SPORTS**

Grade/Course #: 9, 10, 11, 12 (9032)

Course Length: Semester (.5 credit)

Description: This class is designed to allow the student to participate in lifetime sports and activities. The student will receive a greater depth of instruction in these specialized activities. Students will participate in competitions and tournaments. The student will receive instruction in conditioning skills and drills for each sport. Sports will include but will not be limited to the following: softball, golf, tennis, badminton, table tennis, shuffleboard, pickleball, volleyball. Students will be assessed on their fitness abilities by participating in the Presidents Council on Physical Fitness testing. Each student must complete the mile in the given time in order to maintain an A or B grade. The class aims to develop an understanding of the rights of others through good sportsmanship and teamwork. Students will be given the opportunity to receive CPR certification.

Course Title: **WEIGHT TRAINING/CONDITIONING**

Grade/Course #: 9, 10, 11, 12 (9042)

Course Length: Semester (.5 credit)

Description: This class is designed to provide the student with the opportunity to learn the following: nutrition, weight training styles, weight room etiquette, basic anatomy, safety and proper exercise techniques. The student will have the opportunity to improve their motor skills by participating in plyometric, agility, and endurance drills as well as conditioning activities. The student will be required to skill test, complete written assignments, and record daily workouts. The student will be assessed on their effort, attitude as well as their ability to increase overall strength by 20% by the end of the semester.

Course Title: **AEROBIC FITNESS**

Grade/Course #: 9, 10, 11, 12 (9062)

Course Length: Semester (.5 credit)

Description: This course is designed to provide the student with the opportunity to improve physical fitness through aerobic activities and resistance training. Instruction in hi/lo aerobics, step training yoga, pilates as well as other forms of aerobic activities will be included. The student will be instructed in dancing as a lifetime activity. Resistance training exercises will be taught in order to improve basic muscle tone. Demonstration and lecture of safety techniques will be given. The student will use the information provided to create an aerobic routine as a final project. The student will complete written and skills tests.

Course Title: **AQUATIC FUNDAMENTALS**

Grade/Course #: 9, 10, 11, 12 (9072)

Course Length: Semester (.5 credit)

Description: This class will enable the student to be exposed to various aspects of aquatics. Basic swimming strokes, flip turns, non-competitive swimming skills, as well as pool rules, procedures and safety will be taught. Snorkeling skills, basic water polo rules and water aerobic techniques will be included. The student will be assessed on their participation, effort and attitude as well as completing written and skills tests.

Course Title: **LIFESAVING**

Grade/Course #: 9, 10, 11, 12 (9082)

Course Length: Semester (.5 credit)

Description: This elective class is designed to provide the student with the opportunity to receive certification as a professional lifeguard from the American Red Cross. Course information will include lifeguard responsibilities, rescue skills, first aid skills, and waterfront facilities. If the student meets all skill and written requirements they will receive certification. *This course requires a fee to cover the Red Cross materials and certifications. **The student has to be able to swim 500 yards.

***Minimum age requirement is 15 years.

ERIE COUNTY TECHNICAL SCHOOL PROGRAM

Vocational and technical education is available to the student who qualifies in grades ten, eleven and twelve. The Erie County Technical School is an extension of North East High School which permits the student to participate in a variety of vocational or technical training with job entry skills. The student receives three credits per year toward graduation. At the conclusion of the program, the student receives the standard North East High School diploma plus a Certificate of Achievement indicating the total hours completed in his/her vocational or technical curriculum. Student selection is conducted through the high school guidance office. Further information may be obtained from the Guidance Office. Administrative approval is required to enter these Programs.

Course Sequence 3 Year Vo-Tech Students

9th Grade	10th Grade	11th Grade	12th Grade
Eng. 9 1 Credit	Eng. 10 1 Credit	Eng. 11 1 Credit	English 12 1 Credit
American Cultures 1 Credit	Art/Humanities Elective .5 Credit	Western Civilization 1 Credit	POD 1 Credit
Health 1 .5 Credit	Health 2 .5 Credit	PE .5 Credit	PE .5 Credit
Math Elective 1 Credit	Math Elective 1 Credit	Math or Science Elective 1 Credit	Art/Humanities Elective .5 Credit
Earth/Space Science 1 Credit	Biology 1 Credit	Art/Humanities Elective .5 Credit	Math or Science Elective 1 Credit
Art/Humanities Elective .5 Credit	Vo-Tech 3 Credit	Vo-Tech 3 Credit	Vo-Tech 3 Credit
4 General Electives 2.0 Credit			
Credits Earned 8	Credits Earned 7	Credits Earned 7	Credits Earned 7

COMMUNICATIONS DEPARTMENT

Course Title: **ART & DESIGN FOR BUSINESS**

Grade/Course #: 10, 11, 12 (8218)

Course Length: Full year (Three credits)

Description: The term “commercial art” is an umbrella title encompassing many occupations in which an artisan creates a representation to the specification of a client. Prospective students should possess the following characteristics: a demonstrated talent in drawing, solid verbal and written communication skills, good sense of color, proportion and design, applied math skills, developed problem-solving skills, fine motor skills.

Graduates of the Commercial Art program, depending upon their talent and work ethic, are prepared to enter the workforce in entry-level positions. Examples include but are not limited to: Photo lab technician, Sign painter, Matting and framing worker, Web page designer.

A high percentage of our graduates continue their education at two-or four-year colleges pursuing a career as: Graphic design artist, Photographer, Media specialist, Art therapist, Teacher.

Course Title: **COMPUTER INFORMATION SYSTEMS**

Grade/Course #: 10, 11, 12 (8228)

Course Length: Full year (Three credits)

Description: Students achieve entry-level skills in areas of computer operations, data entry and computer programming depending on their ability and interests. Combined with a background of knowledge, skills and appreciation of the data processing industry, each student is able to seek employment in the area of their interest. Prospective students should be able to think logically, have good speaking, reading and writing skills and pay attention to detail.

Graduates from Computer Information Systems are prepared to enter the workforce in entry-level position. Examples include but are not limited to: Computer Consultant, Web page designer, Programmer

Students may seek additional training to pursue any of the following: Programming manager, Computer systems analyst, Information service processor, Systems architect, Systems engineer.

Course Title: **DRAFTING & DESIGN**
Grade/Course #: 10, 11, 12 (8236)
Course Length: Full year (Three credits)

Description: Drafting careers are changing rapidly as computer technology replaces traditional procedures and functions. The Drafting & Design course instructs students in industry standards and prepares students to step into the workplace or it gives them an important edge, if choosing to further their education in this field. Drafting, mechanical drafting and CAD involve making precise, instrument-aided drawings that show how to construct machines, buildings and infrastructures.

Prospective students should possess the following characteristics: creative minds and good imagination, logical thinking, basic math skills, accuracy and artistic ability.

Graduates of the Drafting & Design program are prepared to enter the workforce in entry-level positions. Examples include but are not limited to: Architectural draftperson, Technical illustrator, Electronic draftperson, Mechanical detailer.

Students may also wish to seek additional training to pursue any of the following: Registered architect, Civil or construction engineer, CAD technician, Mechanical engineer.

Course Title: **GRAPHIC COMMUNICATIONS**
Grade/Course #: 10, 11, 12 (8248)
Course Length: Full year (Three credits)

Description: The Graphic Communications program introduces students to theoretical aspects as well as hands-on experiences using computers, dark-room equipment and printing presses. Students acquire marketable skills in job planning, design and layout, copy preparation, proofing, platemaking, offset press operation, bindery and finishing.

Prospective students should possess the following characteristics: creative mind, good typing skills, good background in English and spelling, strong mechanical skills, good attention to detail, organized and neatness.

Graduates of the Graphic Communications program are prepared to enter the workforce in entry-level positions. Examples include: Typesetter, Offset press operator, Proofreader.

Students may choose to seek additional training in: Production manager, Graphic designer, Graphic specialist.

CONSTRUCTION DEPARTMENT

Course Title: **CONSTRUCTION TRADES**

Grade/Course #: 10, 11, 12 (8212)

Course Length: Full year (Three credits)

Description: This program prepares students to enter the building trades industry with marketable skills. This encompasses all phases of residential construction. The student will gain knowledge of: Basic building materials, Blueprint reading, Brick and Block laying, Rough framing, Door and window installation, drywall hanging and finishing, Stair construction, Roofing and siding, Finish trim applications, Basic principles of wiring and plumbing.

Prospective students should have mechanical aptitude, coordination, stamina, physical strength, manual dexterity, mechanical dexterity and no fear of heights.

Graduates will be qualified for entry-level jobs as: Carpenter's apprentice, and Block or brick layer.

With additional training, students can pursue careers as: Self-employed contractor and Building supply sales.

Course Title: **FACILITY MAINTENANCE TECHNOLOGIES**

Grade/Course #: 10, 11, 12 (8260)

Course Length: Full year (Three credits)

Description: This unique and highly versatile course offers several trades in one for the student who is interested in becoming a skilled craftsperson in a variety of trades. Course content includes ship safety, proper use of hand and power tools, basic construction, plumbing, painting, electricity, woodworking, finish carpentry and small engine repair.

Prospective students should have physical stamina, mechanical aptitude, responsibility, manual dexterity, coordination and patience.

Graduates will be qualified for entry-level jobs as: Electrician, plumber or carpenter apprentice, Maintenance mechanic, Assembler, Plumber, electrician or groundskeeper assistant.

With Additional training, students can pursue careers as: Electrician, plumber, carpenter or HVAC installer, Mill or plant maintenance supervisor.

HUMAN SERVICES DEPARTMENT

Course Title: **CULINARY ARTS**
Grade/Course #: 10, 11, 12 (8224)
Course Length: Full year (Three credits)

Description: The Culinary Arts program assists the student who is interested in the fast-paced and ever growing food services industry. The program offers a comprehensive presentation of basic principles and techniques necessary to obtain an entry-level position in the food service industry or prepare for continued training and education.

Graduates can choose to enter the food service industry in entry-level positions such as: Fast order cook, Waiter or waitress, Baker, Cook, Cake decorator or finisher.

With additional training or education, students may pursue careers as: Chef, Culinary manager, Dietitian, Nutritionist, Restaurant owner.

Course Title: **COSMETOLOGY**
Grade/Course #: 10, 11, 12 (8232)
Course Length: Full year (Three credits)

Description: Cosmetology is an art and a science involving the study of the skin, hair and nails. The Cosmetology program provides each student with the knowledge and skills required to become a licensed cosmetologist. The license requires 1250 hours of instruction.

Prospective students should possess creative and artistic aptitude, enjoy working with people, physical stamina, flexibility and patience.

Graduates of the Cosmetology program will be qualified for entry-level positions as: Salon receptionist, Hair stylist, Manicurist, Esthetician.

With additional training, students may pursue careers as: Beauty salon manager, Laboratory technician, Research technician, Teacher .

Course Title: **HEALTH ASSISTANT**
Grade/Course #: 10, 11, 12 (8252)
Course Length: Full year (Three credits)

Description: The Health Assistant program is ideal for students considering a career in the health and medical field. This program introduces student to various career opportunities that exist in health care. It prepares the student to enter the health care system as a competent assistant to the health care professional.

Prospective students should possess good communication and interpersonal skills, neatness and cleanliness, manual dexterity, good professional appearance, the ability to maintain confidentiality and the ability to lift 50 pounds.

Graduates are prepared for entry level positions as: Home health aide, Medical receptionist or office assistant, Nurses aide.

With additional training students can pursue careers as: LPN or RN, Laboratory technician, Radiology technician, Physician's assistant, Occupational therapist.

Course Title: **EARLY CHILDHOOD**
Grade/Course #: 10, 11, 12 (8272)
Course Length: Full year (Three credits)

Description: The Child Care program provides the student with the necessary skills for entry-level positions in the child care field, with an emphasis on the preschool environment.

Prospective students should enjoy children and have a pleasant personality, even temperament, patience and good communication skills, particularly spelling and grammar.

Graduates qualify for entry-level child care positions as: Preschool aide, Teacher's aide, Assistant group supervisor.

Students may seek to continue their education by pursuing advanced degrees in early childhood than be able to pursue careers as: Preschool teacher, Elementary teacher, Child care worker, Special education teacher.

MANUFACTURING DEPARTMENT

Course Title: **ELECTRICAL ENGINEERING**

Grade/Course #: 10, 11, 12 (8240)

Course Length: Full year (Three credits)

Description: Students in this program learn the fundamentals of electrical skills and theory. The Electrical Engineering students acquire the skills for employment in all industrial electricity occupations. The students learn in detail the theory and hands-on application of alternating current, direct current, hydraulics, pneumatics, motor controls, programmable logic controllers and residential wiring.

Prospective students should possess mechanical aptitude, ability in basic math and manual dexterity.

Graduates of the Electrical Engineering program qualify for entry-level positions as: Electrician's helper or apprentice, Electrical production or maintenance worker, Hydraulics or pneumatics technician, Test specialist.

With additional training, students can pursue these careers: Commercial electrician, Systems research designer, Electrical engineer, Residential electrician.

Course Title: **ELECTRONICS**

Grade/Course #: 10, 11, 12 (8244)

Course Length: Full year (Three credits)

Description: Increased complexity of technology will increase the demand for technicians. This course emphasizes electrical and electronic fundamentals and prepares students for a variety of entry-level positions in the electronics field. Basic theories of electronics, circuitry, communications, instrumentation and electronic automated techniques are part of this extensive curriculum.

Prospective students should have a solid understanding of algebra, a mechanical inclination and good communication skills.

Upon graduation, Electronics students will be prepared for entry-level positions as: Industrial repairer, Computer service technician, Office machine repairer, Electronic equipment repairer.

With additional training, students can pursue these careers: Electronics technician, Medical technician, Robotic technician, Instrument maintenance worker.

Course Title: **METAL FABRICATION**

Grade/Course #: 10, 11, 12 (8268)

Course Length: Full year (Three credits)

Description: This is a comprehensive Program designed to give students entry-level skills in the field of metal fabrication. Areas of study include the techniques and fundamentals of pattern development, fabrication, design, proper use of hand and power tools, acetylene welding, acetylene cutting and gas metal arc welding (mig).

Prospective students need manual dexterity, mechanical aptitude, physical stamina and basic math skills. Graduates of the Metal Fabrication program will be prepared for entry-level positions as: Welder trainee, Structural steel worker, Welder, Production line worker. With additional training or education, job opportunities can include: Metal fabricator, Quality control technician, Pattern maker.

Course Title: **TOOL & DIE**
Grade/Course #: 10, 11, 12 (8256)
Course Length: Full year (Three credits)

Description: The machinist is a skilled worker who forms and shapes metals from their raw state to a finely finished and accurately shaped part. Students trained in this program develop the necessary skills to be entry-level machinists.

Prospective students should possess above-average math skills, good work attitudes, mechanical aptitude, eye-hand coordination and the patience to work neatly and accurately.

Graduates of the Tool & Die program will be prepared for entry-level positions as: Machine operator, Toolmaker apprentice.

With additional training and education, job opportunities may include: Toolmaker, Machinist, CNC programmer, Model makers.

TRANSPORTATION DEPARTMENT

Course Title: **AUTO BODY**

Grade/Course #: 10, 11, 12 (8200)

Course Length: Full year (Three credits)

Description: This course presents current and future practices in the rapidly changing world of auto body repair. Projects and class work use the latest technologies, equipment and shop practices.

Prospective students should have good hand-eye coordination, manual dexterity, multi-limb coordination, mechanical aptitude, skill with tools, physical strength, accuracy and the ability to work with minimal supervision.

Graduates of the Auto Body program are eligible for entry-level positions in the following occupations: Reconditioner, Spray painter, Auto body customizer, Body and fender apprentice, Glass installer, Auto body repairer, Auto parts service clerk, Metal finisher.

With additional training, students can pursue career as: Auto body designer, Insurance adjuster, Auto body shop owner or manager.

Course Title: **AUTOMOTIVE TECHNOLOGY**

Grade/Course #: 10, 11, 12 (8203)

Course Length: Full year (Three credits)

Description: Changes in automotive technology have increased the importance of the automotive technician. This program provides the student with the theory and practical experience needed to diagnose and repair automotive systems.

Prospective students should have mechanical aptitude, manual dexterity, skill with tools, physical stamina, good hand-eye coordination, physical strength, willingness to work in an uncomfortable environment and the ability to think logically.

Graduates of the Automotive Technologies program are eligible for entry-level positions as: Auto mechanic or small engine mechanic, Parts supplier, Front-end or tune-up mechanic, State inspection mechanic.

With additional training, students can pursue careers as: Automotive technician or specialist, Repair service estimator, Diesel, bus or farm mechanic.

TWO YEAR PROGRAMS

Course Title: **NETWORKING TECHNOLOGIES**

Grade/Course #: 11, 12 (8277)

Course Length: Full year (Three credits)

Description: This course is designed to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to further their education and training in the computer networking field. Instruction includes, but is not limited to safety, networking, network terminology and protocols, network standards, local-area networks (LANS), wide-area networks (WANS), Open System Interconnection (OSI) models, cabling, cabling tools, routers, router programming, Ethernet, Internet Protocol (IP) addressing and network standards. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics and communication concepts to solve networking problems. In addition, instruction and training are provided in the proper care, maintenance and use of networking software, tools and equipment and all local, state and federal safety, building and environmental codes and regulations.

Graduates qualify for entry-level networking positions as: Network Technican, Help Desk Operator, Computer Repair Technician.

Graduates may choose to continue their education by pursuing additional training in network administration. They are then able to pursue careers as: Network Administrator, Information Systems Manager, Systems Programmer.

Course Title: **TOURISM & LODGING MANAGEMENT**

Grade/Course #: 11, 12 (8211)

Course Length: Full year (Three credits)

Description: The Tourism & Lodging Management program has everything you will need to get started on a hospitality career. In this program, students participate in classroom activities that teach valuable lodging skills and knowledge. Students will also participate in internships supervised by the instructor and a worksite mentor. Major instructional units in the curriculum include: an overview of lodging management, the front office, housekeeping, leadership and management, marketing and sales, and food and beverage service. This program corresponds to competency lists used in the American Hotel & Motel Association's Educational Institute's post-secondary curriculum and forms the basis for articulation agreements with colleges and universities. Students are also trained in food safety and given the opportunity to take the national exam for a food safety certification which is required in all retail food establishments.

Graduates quality for entry-level hospitality positions as: Bell person, Marketing Clerk, Front Desk Agent, Housekeeper.

By pursuing additional training in hospitality management students can pursue careers as: Purchasing Director, General Manager, Executive Housekeeper, Sales Manager.

EXTRA-CURRICULAR ACTIVITIES NORTH EAST HIGH SCHOOL

North East High School offers a wide variety of clubs, organizations, and sports to our students. Everyone is strongly urged to become an active member of the high school community and participation in our extra-curricular programs is an excellent way to do this. Most of the clubs and activities have open enrollment but a few are selective or are dependent upon elections. If student demand exceeds the number of openings some sports may require try-outs. Your homeroom teacher will be able to assist you if you wish to participate in any extra-curricular activities.

Although our primary focus will always be academic, extra-curricular activities are an excellent way to enrich the high school experience. Valuable lessons in teamwork and peer interaction can be developed and practiced. Consider participation in one of our extra-curricular activities as a way to improve both yourself and our school.

Clubs and Activities

American Field Service
Bowling Club
Cheerleading
Dance Team
Ecology Club
Family, Career & Community Leaders of
America
Future Business Leaders of America
Helping Hands Club
LifeSmarts
Literary Magazine
Model United Nations
Musical Production
National Honor Society
Newspaper
Pennsylvania Junior Academy of Science
Pep Band
Senior Play
Student Council
Yearbook

Inter-Scholastic Sports

Baseball
Boys Basketball
Boys Cross Country
Boys Golf
Boys Track
Boys Soccer
Boys Swimming
Football
Girls Basketball
Girls Cross Country
Girls Golf
Girls Soccer
Girls Swimming
Girls Track
Softball
Volleyball
Wrestling