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LETTER FROM PRINCIPAL

Dear Students and Parents:

The Northmont Senior High School Program of Studies is developed to give students and parents a written description of the various course offerings in each department. Hopefully, the information contained in this Program of Studies will enable all students to select the subject areas that will provide an academic challenge and fulfill their future goals.

The course selection process should be given your utmost consideration to assure the courses that are to be taken meet your needs. From this basic course selection, a master schedule will be prepared to provide students with the educational classes they require. Therefore, your cooperation is required to make the next school year a successful one. Schedule changes requested after your initial selection may not be honored. Please make every attempt during course selection to register for exactly the courses you want. Should further information be required, feel free to contact your counselor.

George Caras
Principal

REQUIREMENTS FOR GRADUATION

A student must satisfactorily complete the following:

Twenty-one (21) units of credit

Four (4) units of credit in English.

Three (3) units of credit in Social Studies to include:

1/2 credit in World History I

1/2 credit in World History II

1 credit in American History

1/2 credit in American Government

and an additional 1/2 credit Social Studies elective.

Three (3) units of credit in Mathematics. For the class of 2014 & beyond students will need 4 credits to include Algebra II or its equivalent.

Three (3) units of credit in Science which must include:

1 credit of Biological (Life) Science

and 1 credit of Physical Science plus any other science.

One-half (1/2) unit of credit in Health.

One-half (1/2) unit of credit in Physical Education

One (1) unit or two half-units (1/2) must include:

Business/Technology,

Fine Arts

or Foreign Language

For the class of 2014 & beyond students must complete at least 1 unit of fine arts. Students must be enrolled in a minimum of 5-1/2 units of credit per year for Freshmen, Sophomores, Juniors, and 5 units of credit per year for Seniors. The final minimum number of units of credit for seniors is at the discretion of the administration.

Each student is personally responsible for periodically evaluating his/her past, present, and future program of studies to ensure all minimum standards are met prior to graduation.

Students are reminded that graduation requirements are set by the Board of Education and are subject to change.

Fine Arts

Art, Music, Theatre Arts, Photography

CLASS PLACEMENT

The basic requirements for grade placement are as follows:

Sophomore	Five (5) units
Junior	Ten (10) units
Senior	Fifteen (15) units

STATE MANDATED TESTING

The Ohio Graduation Test is administered to all sophomore students in March of each year. To earn a diploma, students must meet the state requirements of passing the OGT as well as the district's curricular requirements. The OGT includes multiple choice, short answer, and extended response questions. The test itself is based on Ohio Academic Content Standards in the five areas of reading, writing, mathematics, science, and social studies. The purpose of the exam is to ensure that all students who receive high school diplomas in Ohio have not only completed curricular requirements, but have demonstrated competency in these content areas as well. Students who do not pass an area of the OGT are required to continue testing during designated times of the year, fall and spring, until they earn a proficient score.

State law does provide alternative provisions for receiving a diploma without passing all five areas of the OGT. Students may graduate and receive a diploma if they meet the following requirements:

1. Meet all district requirements for graduation.
2. Pass four of the five areas of the OGT.
3. Miss passing the test in the fifth area with a score in the range of 390 to 399.
4. Have a 97% attendance rate through all four years of high school and have no expulsions during those four years.
5. Have a grade point average of 2.5 out of 4.0 in the subject area missed.
6. Have participated in an intervention program offered by the school.
7. Obtain letters of recommendation from the high school principal as well as at least one teacher in the subject area not yet passed.

It is important that students understand the challenge before them and come to school prepared to learn. Testing requirements are constantly being reviewed by the Ohio Department of Education and the State Legislature. Students should contact their counselor if they have questions about testing requirements.

INSTRUCTIONAL MEDIA CENTER

It is the mission of the Northmont High School Instructional Media Center to encourage students to be information seekers, active readers, and independent thinkers by creating a positive learning environment that provides access to information, technology, and maintains an updated, diverse collection that supports curricular needs and students' interests.

The IMC's collection includes books, print periodicals, audio books, videos, and subscriptions to online research databases containing thousands of magazines, newspapers, encyclopedias, scholarly journals, primary documents, and books. Students at Northmont Senior High School can access both the online catalog and the research databases from any computer on or off campus.

The librarian/media specialist partners with fellow faculty members to teach 21st century literacy skills in conjunction with academic content standards. The IMC staff is available to assist students with information, technology, and media inquiries and readers advisory.



REQUIREMENTS FOR EARNING AN HONORS DIPLOMA

A student may earn an honors diploma by meeting the following:

1. Completion of all Northmont High School graduation requirements as set by the Northmont Board of Education.
 2. Meet the criteria as set forth below in (A.) or (B.) for the curriculum taken by the student.
- A. In addition, a student who completes the college preparatory curriculum in high school must meet any seven of the following eight criteria:
1. Four credits in Language Arts.
 2. Four credits in mathematics including Algebra I, Geometry, Algebra II, & additional credit of higher-level math or a four year sequence of courses that contain equivalent content.
 3. Four credits in science that include instructional emphasis on the physical, life, and earth and space sciences. The total of 4 science classes must include physics and chemistry.
 4. Four credits in social studies.
 5. Either three credits of one foreign language or two credits each of two foreign languages.
 6. One credit in fine arts.
 7. Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year.
 8. Obtain a composite score of 27 on the American College Test (ACT) or a total score of 1210 on the Scholastic Assessment Test (SAT).
- B. In addition, a student who completes an intensive career-technical education curriculum in high school must meet any seven of the following eight criteria:
1. Four credits in Language Arts.
 2. Four credits in science that develop concepts for physical, life and earth, and space sciences. The total of 4 science classes must include physics and chemistry.
 3. Four credits in social studies.
 4. Four credits in the student's career-technical education curriculum.
 5. Maintain an overall high school grade point average of at least a 3.5 on a 4.0 scale up to the last grading period of the senior year.
 6. Complete a career passport that reflects achievement of the occupational proficiency benchmark established for the Ohio Vocational Competency Assessment or the equivalent.
 7. Obtain a composite score of 27 on the American College Test (ACT) or a total score of 1210 on the Scholastic Assessment Test (SAT).
 8. Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the equivalent.

CLASS RANKINGS, VALEDICTORIAN/SALUTATORIAN

Definitions

For the purposes of establishing class rank and determining valedictorian and salutatorian honors, the following definitions shall apply:

Grade Point Average (GPA) : The numerically calculated average of all grades earned based on a 4-point scale (A=4, B=3, C=2, D=1, F=0) and the credit value of the course.

Quality Point : A multiplier used to recognize the more rigorous academic standards demanded by courses designed as Advanced Placement (AP), Advanced, or Honors (H).

Quality Point Average (QPA) : The numerically calculated average of all grades earned based upon the grade point achieved on a 4-point scale, the use of any quality point multipliers, and the credit value of the class.

Class Rank:

For purposes of establishing class rank, the following procedures shall apply:

1. Grade point average and quality point average will be computed for all students using final grades for all courses on an ongoing basis.
2. Grades for honors, advanced, and/or AP courses shall be calculated to reflect the more rigorous academic standards demanded by such courses. The calculated factor shall be created by assigning quality points to the grades earned in the aforesaid courses as follows:
 - A. The value of the grade in an honors/advanced course shall be multiplied by 1.1
 - B. The value of the grade in an AP course shall be multiplied by 1.2
 - C. The value of the grade for an honors/advanced course or an AP course, after being enhanced by the quality points calculation, shall be computed into a quality point average (QPA) for purposes of determining class rank. QPA is not used to determine Honor Roll.
3. To compute the grade point average, only courses for which credit counts toward graduation are to be considered.
4. Foreign exchange students shall not be considered in computing class rank and, therefore, will not be eligible for academic honors.

Valedictorian and Salutatorian Honors

For purposes of determining valedictorian and salutatorian honors, the following procedures shall apply:

1. To be eligible for valedictorian or salutatorian honors, a student must be enrolled at Northmont High School prior to, and continuously following, the tenth school day of the student's senior year.
2. To compute the grade point average, only courses for which credit counts toward graduation are to be considered.
3. The valedictorian shall be the student with the highest grade point average as computed at the end of the eighth semester of the senior year. QPA will not affect this determination.
4. The salutatorian shall be the student with the second highest grade point average as computed at the end of the eighth semester of the senior year. QPA will not affect this determination.
5. For the purpose of identifying prospective valedictorians and salutatorians for the newspapers, television stations, valedictorian speeches at graduation, etc., we will be using the following procedure:
 - A. Final grades for all courses taken during the first seven semesters;
 - B. All final third quarter grades of the senior year;
 - C. The first semester and third quarter average of year-long classes of the senior year.
6. Foreign exchange students shall not be considered in computing class rank and, therefore, will not be eligible for these particular academic honors.



NCAA

Freshman Eligibility Standards

All student athletes must register with the NCAA Eligibility Center. The NCAA Eligibility Center can be accessed at www.ncaaclearinghouse.net or by calling 877-622-2321. Approved core courses are noted in the program of studies by NCAA Approved.

SPECIAL CONSIDERATIONS WHEN SCHEDULING

The issuance of credits — Partial credits will not be issued. Students must complete the course as stated in the Program of Studies to earn credit. For example, a student cannot enroll in a class that is listed as a 1 credit course and leave that class at the end of the first semester and receive 1/2 credit. Credits will only be issued upon completion of the course.

Attention C.T.C. students — C.T.C. students will not be permitted to schedule classes at Northmont High School. Due to the conflict with this building's time schedule and the time schedule at the C.T.C., course requirements are not being completely met. Therefore, all potential C.T.C. students are advised to complete all requirements by the completion of their sophomore year, or during summer school.

SUPPORT SERVICES

Northmont High School offers Support Services for those students who meet eligibility criteria. These services are available to disabled or limited English speaking students based upon testing and criteria for specific learning needs.

POST-SECONDARY ENROLLMENT OPTIONS (P.S.E.O.)

Current Ohio law permits ninth, tenth, eleventh, and twelfth grade students to participate in a program called Post-Secondary Enrollment Options (P.S.E.O.).

Students at Northmont High School may enroll full or part-time in NONSECTARIAN college courses for high school and college credit or for college credit only.

The program is intended to provide expanded opportunities for appropriately qualified high school students to experience course work at the college or university level. Any Northmont student admitted to a course by an institution of higher education will be expected and required to perform at the same level as the institution's regular students. College courses should either contribute to or supplement the broad academic preparation needed by high school students.

If interested, see your counselor for details before March 30, 2011. Information concerning PSEO is also available on the Counseling Center website. www.my.northmontschools.com/hs/counselingcenter/pseo.shtml.

FLEXIBLE CREDIT

Northmont City Schools recognizes that a superior educational program is one that allows each student the opportunity to individualize learning around needs and interests. Flexible credit is one method to motivate and increase student learning as it shifts from seat time to performance. The intent of flexible credit is to meet increased expectations for high school graduation in response to globalization, technology, and to meet the demand for 21st century skills.

If a student wishes to participate in a flexible credit opportunity, that student must complete individual flexible credit plan paperwork where the student will identify

the credit flex intent, total credit requested, the learning objectives that will be mastered once the plan is completed, and a timeline for plan completion. This paperwork will be available in the Northmont High School Guidance Office.

Earning of flexible credit may take on a variety of experiences; therefore, there is no single method of final evaluation. Students have the responsibility to state how credit is to be earned. This may include a panel presentation by the student, a research paper, a demonstration, a final project, a portfolio, a performance, and/or an acceptable score on an end of course assessment. However, earning credit is not limited to any one or combination of these ideas.

Deadlines for submitting plan paperwork will be May 1 for summer and first semester and November 1 for second semester.

Once submitted, a review panel of the principal or his designee, a representative from the content area of the learning opportunity, a counselor, and other staff as appropriate, will review the flexible credit plan proposal to determine if it meets the rigorous, measurable expectations for high school credit. Students are responsible for any cost incurred by participation in a flexible credit plan. All flex credit classes must be added and dropped within the same timeline of adding and dropping courses as other regular classes at Northmont High School. The student is responsible for completing all assignments or projects agreed upon in the flexible credit plan, and completing demonstration or mastery assessments by specified times to receive grades and resulting credits. The review panel will determine if the student has met the requirements of the plan and award credit when earned.

It is the student's responsibility to complete the approved credit plan, and the student's responsibility to meet any checkpoint dates. Failure to finish the approved plan will result in a grade of F for the flexible credit course.

PLANNING FOR THE HIGH SCHOOL YEARS

The Four Year Plan

The Northmont High School day is composed of seven 50 minute periods. While some students select courses that utilize all 7 periods, a "full schedule" is not necessarily recommended for all students. Care should be taken in selecting courses, as schedule changes are not always feasible or possible. The bullets indicate courses that are required for graduation. Some options are available in that all required courses need not be taken during the prescribed year. Attendance in summer school or postponing a course may open up a schedule for additional electives. If other options are desired, it is suggested that the student and parent remain in contact with the counselor to ensure that the correct sequence is followed.

The following is the suggested freshman course of study:

- English - year course
- Math - year course
- Science - year course
- World History I - semester course
- PE I - semester course
- World History II - semester course

The number of electives may not exceed the number of remaining periods.

The following is the suggested sophomore course of study:

- English - year course
- Math - year course
- Science - year course
- PE II - semester course
- Health - semester course
- American History - year course

The number of electives may not exceed the number of remaining periods.



The following is the suggested junior course of study:

- English - year course
- Math - year course
- American Government - semester course
- Science - year course

The number of electives may not exceed the number of remaining periods.

The following is the suggested senior course of study:

- English - year course
- Social Studies - semester elective
- Math - class of 2014 & beyond

The number of electives may not exceed the number of remaining periods.

VOCATIONAL TRAINING

Sophomores have the option of applying to the MVCTC program for their junior and senior year. The required courses for the freshman and sophomore year should be met prior to attending the MVCTC. Please see "What Do I Need For" in the back of the Program of Studies for more information.

PREPARATION FOR COLLEGE

Students who plan to attend a 4-year college should prepare themselves by meeting the highest criteria they are capable of achieving. Requirements vary from college to college and from one major to another major within the same university. Colleges are not attempting to limit the admission of students, rather they are trying to ensure the success of their students by having them well-prepared.

Most state-assisted universities have approved specific requirements for unconditional admissions. The safest high school curriculum recommended for unconditional admission specifies:

- Four years of English/ Language Arts
- Three years of college preparatory math (Algebra I and above)
- Four years of college preparatory math for the class of 2014 and beyond
- Three years of science
- Three years of social studies
- Two years of a foreign language
- One year of a visual or performing art

Conditional admission of students who do not meet the unconditional requirements of state schools could mean that students may have to take courses their freshman year in college to make up deficiencies.

Private colleges and specialized schools have their own admission requirements, too numerous and varied to mention. Students may be able to keep all options open by meeting the most demanding high school curriculum suitable to their abilities.

In order to understand the possible consequences of curriculum choices, students and parents keep in close contact with their school counselors.

SCHEDULE ADJUSTMENTS AND CHANGE

Considerable time and effort is expended by students, counselors, and administrators in developing student schedules for each quarter of the school year. Student choices are made on the basis of thorough student orientation, examination of the program of studies, and opportunities for student, counselor, teacher, and parent input. At the time student schedules are finalized, it becomes the responsibility of the student to attend, participate in, and successfully complete all scheduled

classes. School personnel recognize that a student may have selected courses that are inappropriate for the student's personal or educational goals. For this reason, guidelines have been established for the processing of necessary schedule changes and adjustments.

Dropping Classes

A student may initiate a schedule adjustment by following the procedure indicated below:

1. The student should obtain a "Schedule Change Request Form" from the guidance office. This form should be properly completed with all required statements and signatures and returned to the appropriate counselor.
2. **Requests for teacher changes will not be considered.** It is the student's responsibility to attend the class in question during the period of time that the allowable request is being reviewed by the counselor.
3. The counselor reviews the request using the following criteria:
 - a. No more than one credit may be dropped from or added to the schedule.
 - b. Minimum number of credits for that grade level.
 - c. A student should be enrolled in course work totalling a minimum of one and a quarter (1-1/4) credits each quarter. Students needing to maintain eligibility for extra-curricular activities are required to pass 1-1/4 credits each quarter. This is (5) classes not to include PE courses.

A student who is permitted to withdraw from a course no later than:

1. the tenth (10th) school day of a semester course
2. the twentieth (20th) school day of a year course

will receive a grade of "W" and no credit on the final grade card. Students who are permitted to withdraw from a course after the above stated deadlines will receive a final grade of "F", and the grade will be used in the calculation of the cumulative grade point average. This course will become part of the permanent record and will be posted on all transcripts. Partial credit will not be issued. Credit will be issued only upon completion of the course requirements as stated in the Northmont Program of Studies booklet.

Adding Classes

Students may be permitted to add courses to their schedules by contacting their counselor and requesting to add a class. Once school begins, many class changes cannot be accommodated due to the classes being full and course conflicts. In adding classes to the student's schedule, the following time frame shall apply.

The student may not add a class after:

1. the tenth (10th) school day of a semester course;
2. the twentieth (20th) school day of a year course.

Course Movement within a Department - Teacher Initiated

The procedures for moving from one class to another within the same department are:

1. The classroom teacher and student discuss the possibility of being misplaced in the present course. Consideration will be given to the change providing the student has demonstrated satisfactory effort and behavior and is attaining below average grades.
2. The classroom teacher will initiate and discuss with the student's guidance counselor the need of a course/level change. If necessary, the counselor will have the sending teacher complete the "grade earned" form.



3. The counselor will review the situation with the student and give to that student the "Schedule Change Request Form". This form should be properly completed with all required statements and signatures and returned to his/her counselor.
4. After all forms are completed, the counselor will talk with the "receiving" teacher concerning the class change. If the change is made, the sending teacher provides the student's grade-to-date to the receiving teacher.
5. This necessary movement of a course/level needs to occur by the end of the first nine weeks. Any other course movement needs to follow the above procedure and have administrative approval.

APPLIED TECHNOLOGY

Drafting I **6600**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

In this course, the student will cover the basic methods of preparing mechanical drawings. Experiences such as measurement, lettering, drafting techniques, geometric construction, sketches, orthographic projection, machine drawings, and pictorial projection will be covered. The student will learn to improve line technique, accuracy, and neatness in preparing working drawings. The student will also gain a beginning understanding of the principles of computer assisted drafting (CAD) as well as a design and build project such as cardboard shoes and CO2 cars.

Architectural Drafting **6610**
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Satisfactory completion of Drafting I.

Students will learn how to prepare architectural drawings necessary to construct a house. The course will further cover structure, dimension, and details related to architectural drawings. The methods of computer assisted drafting as they relate to architectural drawings will be covered in this course. Models will be built to display the structure and the student's own design.

Engineering Drawing **6620**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Satisfactory completion of Drafting I.

This course will further advance the student in the area of engineering drawing covered in the Drafting I course. The student will be learning to use the computer to draw details, assemblies, and sectional views of parts used in industry. The student will be working with a CAD program in order to create accurate three dimensional solid illustrations as used in industry. These drawings will be revolved and printed in color and full size. An engineering problem involving the design, building, and racing of a model car is required of all students.

TV Production **6750**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

This course will introduce students to careers involved with television production. Students will learn how to record video, edit sound, and work with video equipment. Students will also learn the process of recording and producing the morning announcements for the high school.

Graphic Design **6800**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

In this course, students will concentrate on three areas: Communication, Screen Printing, and Digital Photography. In Communications, students will be taught the basic principles of design and will apply them while working on various hands-on and computer based projects. In Screen Printing, students will design and produce a t-shirt. In Digital Photography, students will need to supply at least a 3.5 mega pixel digital camera. They will focus on proper photography techniques as well as image editing.

Woodworking Technology **6900**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

This semester course will introduce students to woodworking and project construction. The first quarter will emphasize hand tool use, wood identification, basic joinery, power tool operation, and shop safety. The second quarter will be used to construct a wood project using the tools and techniques learned in the first part of the course. Sanding techniques will be covered and project finishing will be demonstrated when construction of the project is complete. The successful completion of Wood Technology is necessary to advance to Custom Craftsmanship in Woods, which is the second year Wood Technology class. There will be an additional project fee to pay for wood used for each selected project. Fees vary depending on project size.

Custom Craftsmanship in Wood Technology **6920**
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Satisfactory completion of Woodworking Technology.

This course is an expansion of the skills that students gained in Woodworking Technology. The course will stress the use of hand and power tools in the safe production of two major projects. Students will develop a good understanding of design and layout, advanced construction techniques, and joinery in the cabinet making process. The course will also include units in refinishing and refurbishing furniture, wood identification, and tool and machine maintenance. Enrollment in this course is contingent upon the successful completion of Woodworking Technology. There will be an additional project fee to pay for wood used for each selected project. Fees vary depending on project size.

Advanced Wood Technology **6940**
Gr: 11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Satisfactory completion of Custom Craftsmanship in Wood Technology and instructor approval.

This course is for the student woodworker who has completed the first two Woodworking Technology courses and still has a desire to expand his or her knowledge of the craft. The focus of this course will concentrate on allowing students to specialize and utilize their talents to develop artisan skills in cabinet making and furniture building. The goal of the course is to provide an avenue for students who have a strong talent and interest in pursuing advanced techniques in the area. There will be an additional project fee to pay for wood used for each selected project. Fees vary depending on project size.

ART

A lab fee is required for Art classes. Fee rates are established by the Board of Education and are subject to change.

Arts and Crafts **8300**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

This is a basic crafts class which introduces students to an overview of several craft areas. Students will learn basket coiling, soft sculpture, paper mache masks and bowls, jewelry, and other basic craft areas.

Contemporary Crafts **8305**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit

This class is an intensive exploration of several craft areas that cannot be adequately covered in Arts & Crafts. This class will cover numerous areas of imagery on fabric such as batik, silk painting, photo transfers, art quilt hanging, paper making, and handmade books.

Fundamentals of Drawing I **8320**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

The course will focus on the basic skills of drawing such as simple perspective, accurate proportions, composition, and tonal values using pencil, charcoal, and other drawing materials. Projects will include still life studies of objects, landscapes, people, personal expression, and creativity.

Fundamentals of Drawing II **8325**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Completion of Fundamentals of Drawing I.

This course is an extension of the skills developed in Fundamentals of Drawing. Students will be introduced to more complex drawing techniques such as 2 pt. and 3 pt. perspective as well as more observational/life drawings with an emphasis on total development.

Photography (Digital) **8345**
Gr: 11-12 **Length: Sem.**
Credit: 1/2 credit

Students will study digital photography as an art form and what goes into good composition. Students will understand the operation of a digital camera and photography editing software. Also, there will be short study of the history of photography. Students must provide a minimum of a 3.5 mega pixel digital camera. There will be additional fees for photo paper based on individual usage.

Intro to Computer Art and Computer Graphics **8360**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit

Students will use the computer for fine and commercial art. Several software programs will be used to explore drawing, painting, and 2.0 design.

Art I **8205**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

Art I, the beginning course in the art major program, covers basic art skills. This includes instruction in media, techniques, and the elements and principles of art. Students will explore art criticism, art history, studio production, and aesthetics.

Art II **8210**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Art I or permission of instructor.

Art II is the 2nd semester of the art major program. This course is a continuation of the skills offered in Art I.

AP Studio Art /Drawing **8265**
Gr: 11-12 **Length: Yr.**
Credit: 1 credit

This course is designed for the student who enjoys art but may not wish to major in art. The student will be introduced to various mixed media as well as the opportunity to initiate personal interpretations of assignments under the teacher's supervision.

Beginning Ceramics **8270**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

Beginning Ceramics offers the student an opportunity to work in clay to establish techniques and principles in both hand building and wheel thrown ceramic forms. This course also includes preparation of clay, decorative qualities, and glazing.

Ceramics II **8271**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Satisfactory completion of Beginning Ceramics or Permission of Instructor.

Ceramics II will offer students an opportunity to advance their skills in design and form, and strengthen their skills in hand building and advanced wheel techniques.

Ceramics III **8272**
Gr: 11-12 **Length: Sem.**
Credit: 1/2 credit

This course is designed for students who want to increase their 3-D design skills. A strong emphasis will be placed on quality and craftsmanship in all aspects of ceramics. Students will get more intense training on the Potter's wheel, hand building, glazing, and firing techniques.

Beginning Painting **8280**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

Beginning Painting covers media and techniques in various methods of painting. Students learn water color painting, tempera painting, acrylic painting, and oil painting. Some history of painting is included.

Painting II **8281**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Satisfactory completion of Beginning Painting.

Painting problems are solved on an individual basis. Instruction is geared to meet the specific needs of each student.



BUSINESS & TECHNOLOGY**General Business**

The following introductory business courses are designed to introduce students to the economic world and the challenges faced by consumers in the United States. They prepare students for future business courses, make them more intelligent consumers, and acquaint them with job opportunities.

Personal Finance **5100**

Gr: 9-10 **Length: Sem.**
Credit: 1/2 credit

Students will learn the financial procedures necessary for personal financial management using simulated checkbook, expense report, and personal finance records folder. An activity-based simulation provides the main focus that depicts a recent high school graduate finding out what it means to be "on your own" financially. The simulation allows students to experience the process of opening a checking account, renting an apartment, applying for credit, looking for a job, buying a car, shopping online, banking electronically, paying taxes, and more. Students will complete parallel activities for themselves as they work through the simulation, completing budgets and creating a filing system for personal financial information. In addition, students will learn how to look for housing, look for different kinds of insurance, and understand the rights and responsibilities to become an informed consumer.

Introduction to Business **5110**

Gr: 9-10 **Length: Sem.**
Credit: 1/2 credit

This is an introductory course that covers the economic role of business, business and government in our global economy, technology for business decisions, and careers in business. Students will be introduced to basic economic theory and systems, business structures, business ethics, and the social responsibilities of business. Careers in business will be explored. Students will learn how to conduct a job search, how to write letters of application and resumes, and how to prepare for job interviews.

Specialized Business & Computers

The following business courses are designed to develop the specialized business and computer skills with the academic background required of students pursuing a business career or further training in the business field.

Accounting (with computers) **5500**

Gr: 11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Recommended completion of Algebra I with a "C" or better

Introduction to Accounting is the study of how businesses maintain and report financial information. Students will learn how to prepare, read, and interpret financial records. The accounting cycle is studied through proprietorships, partnerships, and corporations. Students will use computers for some of the accounting procedures.

Entrepreneurship **5520**

Gr: 11-12 **Length: Sem.**
Credit: 1/2 credit

Students will gain the knowledge of how to start, finance, and manage their own business. How government regulations and the economy affect business operations and decisions will be studied. The importance of service organizations and how that relates to the success of a business will be included. Each student will develop a Business Plan Project for their own business integrating entrepreneurial concepts.

Economics **5550**

Gr: 11-12 **Length: Sem.**
Credit: 1/2 credit

This course presents an analysis of the American free enterprise system and emphasizes the significance of understanding economics in making informed decisions. Students will study both microeconomics and macroeconomics and examine the role of the marketplace, government, and individuals in influencing economic policy. Topics include scarcity, supply and demand, competition, business cycles, economics systems, business structures, foreign trade, production, stocks, the federal reserve, monetary and fiscal policy, inflation, unemployment, poverty, and economic growth.

Keyboarding **5630**

Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

This is a touch-type keyboarding course for the beginning student. In the first quarter of the course, students will develop proper technique and keyboarding skills using self-paced software. In the second quarter of this semester class, students will continue to build skill and master keyboarding. Keyboarding skills will be applied to the creation of common documents including centered text, business letters, personal business letters, and MLA reports. Students will also learn basic word processing functions, proofreading and editing skills, and basic computer terminology.

Microsoft Office Computer Applications **5660**

Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit

The student will learn how to use the Microsoft Office 2003 series — an application used in many higher education and professional environments — to prepare professional and personal documents and projects. Word (word processing and publication design), Excel (spreadsheets and charts), Access (database), and PowerPoint (presentations) will be studied in this course. The student can gain the knowledge and skills needed to prepare for the MOUS (Microsoft Office User Specialist) certification and to prepare for employment opportunities.



FOREIGN LANGUAGE

French I 1620
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Recommended completion of English with a "C" or better the preceding year.

French I is an introduction to the French language and culture. The course emphasizes practical vocabulary and basic grammatical structure for the development of reading, writing, speaking and listening skills. After completing French I, students should be able to understand and read basic French and converse on everyday topics such as friends and family, school, shopping, food and dining, travel, and weather.

French II 1630
Gr: 10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of French I with a "C" or better is recommended.

French II continues to build skills acquired in French I with increased emphasis on improving pronunciation, listening comprehension, developing vocabulary, use of verb tenses, and language structure. The students learn the major grammatical rules. The class is conducted in French whenever possible, and students are engaged in conversational practice appropriate to their level of the French language. The cultural component includes France and French speaking countries.

French III 1640
Gr: 11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of French II.

The emphasis in this course is on further development of conversation and composition. The students are introduced to French literature, such as *Les Misérables* and *Le Petit Prince*. They will refine their knowledge of French grammar and improve reading, writing, speaking, and listening skills. The students will understand that translation requires transferral of thoughts, rather than literal translation of individual words. On the completion of this course, the students should be able to better understand spoken and written French and be able to speak and read French with more ease.

French IV (H) 1650
Gr: 12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of French III.

This course is a study of French history, culture, and literature. The text includes a survey of French civilization from early Gaul to modern France. Students will continue to improve reading, writing, speaking, and listening skills. Upon completion, students should be able to read, understand, and speak the language with increasing fluency. The students should have attained an understanding of France, including history, culture, literary trends, and people.

German I 1720
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Recommended completion of English with a "C" or better the preceding year.

In this course, the student is introduced to a "cousin" language of English. The student now has the opportunity to discover a foreign language quite similar to English. Through general classroom procedure and regular work with recorded and interactive online textbook materials, vocabulary is thoroughly stressed, along with developing proper sentence structure. Students will learn to spontaneously answer questions on everyday matters: health, weather, school, etc. An integral part of this course is the introduction of German culture, music, customs, and some current event items.

German II 1730
Gr: 10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of German I with a "C" or better is recommended.

German II continues to build on skills acquired in German I with increased emphasis on improving pronunciation, listening comprehension, developing vocabulary, use of verb tenses and language structure. These skills are built through the use of interactive online textbook materials, workbooks, and classroom activities. Students will engage in conversational practice appropriate to their level of the German language. Culture of German speaking countries is emphasized.

German III 1740
Gr: 11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of German II.

In this course, reinforcement of previously learned structures is given through reading, listening and verbal practice. The students read short stories by German authors. Many of the readings lead students into discussions of cultural differences. Conversation, as well as group work, is encouraged to give the students a comfortable feeling in the language. There is an emphasis on composition and introduction of geography of German speaking countries. Upon completion of this course, the student should be able to speak and read German with some fluency.

German IV (H) 1750
Gr: 12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of German III.

This course will be held largely in German. By this point, all major grammatical structures have been presented and the text becomes supplemental. This course consists of a series of readings (including a novel), writings and projects used to pull together everything the students have learned. Emphasis will be placed on written and spoken fluency. Culture will be presented in the form of German films, music, and current events.



Spanish I 1820
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Recommended completion of English with a "C" or better the preceding year.

The cognitive approach is used in the teaching of Spanish. The language and its structures are learned in the classroom through the use of the textbook and workbook. After completing the course, the student should be able to understand and read basic Spanish. Students should be able to spontaneously answer questions on everyday matters: health, weather, school, environment, friends, family, etc. They should have acquired some knowledge of the Hispanic culture.

Spanish II 1830
Gr: 10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of Spanish I with a "C" or better is recommended.

In this course, the student uses the language as much as possible in the classroom. The student is introduced to almost all the structures of Spanish sentences. These structures are learned through the use of the textbook and practiced through workbook exercises, and the construction of short dialogues. On completion of the course, the student should be able to express opinions on selected subjects and write short narratives on a given subject.

Spanish III 1840
Gr: 10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of Spanish II with a "B" or better is recommended.

In this course, reinforcement of previously learned structures is given through reading and oral practice. The students read short stories, and novels by Spanish authors. Many of the readings lead the students into discussions of cultural differences. Daily conversation as well as group work are encouraged to give the student a comfortable feeling in the language. There is an emphasis on composition and introduction of the geography of Spain. On completion of this course, the student should be able to speak and read in Spanish with some fluency.

Spanish IV (H) 1850
Gr: 11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of Spanish III with a "B" or better is recommended.

This course concentrates on oral skills, an in-depth study of grammar, as well as Spanish history, art, and literature. The students read a minimum of two novels during the year. After the completion of the fourth year of Spanish, the student should have a deeper understanding of the people and of the Spanish culture. Also, the student should be able to read, understand, and speak the language with ease.

HEALTH

Students are required to earn 1/2 credit in health to meet graduation requirements. Each of the following courses will also incorporate a basic health component that will be approximately nine weeks in duration.

Athletic Training/Health 9565
Gr: 10-11-12 Length: Sem.
Credit: 1/2 credit

This course deals with prevention principles of conditioning, nutrition, hydration, emergency care, and evaluation and treatment of injuries in athletics.

CPR/First Aid/Health 9570
Gr: 10-11-12 Length: Sem.
Credit: 1/2 credit

In the CPR/First Aid course, the student is exposed to practical ways of handling daily emergency situations. Included is control of bleeding, wound care, heat and cold exposure, poison control, burns and practice in handling bandages. CPR work is offered to the students. The course is taught by a certified American Red Cross instructor. Students have an opportunity to earn an American Red Cross certificate card in both CPR and First Aid.

Fitness and Nutrition/Health 9585
Gr: 10-11-12 Length: Sem.
Credit: 1/2 credit

This course will present the benefits of a physically active lifestyle. Topics will include, but not be limited to, the principles necessary to develop your own exercise program as well as the essentials of proper nutrition to develop or maintain a healthy body composition. The first half of the class will be discussing nutrition, fad diets, how to read labels, and the importance of good nutrition. Students will be required to participate in active exercise the second half of the class. Activities will include aerobics, use of the weight room, and stretching and running programs.

PHYSICAL EDUCATION

The Ohio Legislature allows districts to set local policy regarding waiving Physical Education credit as a graduation requirement. The Northmont Board of Education has determined that students participating in the following activities meet the standard of activity time, and may request a Physical Education credit waiver.

Any student participating in 2 seasons of interscholastic athletics, which includes competition cheerleading; 2 years of marching band; or 2 years of NJROTC competition teams may apply for the waiver. Any student interested in the PE waiver should consult a counselor.

Physical Education I 9000
Gr: 9 Length: Sem.
Credit: 1/4 credit

This course is designed for freshmen, with emphasis every day on participation in a wide variety of physical activities. Students will wear gym shoes, shorts, and shirts every day so that they may fully participate in fitness activities, individual activities, and team sports.

Physical Education II **9100**
Gr: 10 **Length: Sem.**
Credit: 1/4 credit
Prerequisite: Completion of Physical Education I

This course includes both lifetime activities and team sports. Activities covered may include, but will not be limited to: basketball, flag football, softball, track and field, volleyball, archery, badminton, tumbling, juggling, tennis, outdoor recreational activities, aerobics, and fitness walking.

Physical Education Independent Study **9330**
Gr: 9-10-11-12 **Length: Qtr.**
Credit: 1/4 credit
Prerequisite: Permission of Department Chair

This course is designed specifically for those students who are physically unable to pursue the regular activities program. The class will be a combination of participation, reading, and research of assigned topics.

LANGUAGE ARTS

The Language Arts requirement for all students is one credit each year. Reading and writing at more advanced levels will keep many career options open. In determining the placement level of each student, the following criteria will be used:

1. Goals of individual student
2. Demonstrated academic ability in Language Arts skills and concepts
3. Teacher recommendations
4. Student interests

The skills and concepts learned in each of these levels are those appropriate to the abilities of the students directed to each level, and they build sequentially from one year to the next. It is important for parents and students to realize that a college bound student, for instance, should be in academic level Language Arts throughout high school, or he/she will find gaps in his/her background.

The following levels will be provided at each grade:

<u>Freshman (9th Grade)</u>	<u>Sophomore (10th Grade)</u>
Language Arts 9	Language Arts 10
Academic (college prep)	Academic (college prep)
Advanced (college prep)	Language Arts 10 Pre-AP (college prep)

<u>Junior (11th Grade)</u>	<u>Senior (12th Grade)</u>
Language Arts 11	Language Arts 12
Academic (college prep)	Academic (college prep)
Advanced (college prep)	Advanced (college prep)
AP English Language and Composition (college prep)	AP English Literature and Composition (college prep)

Course work in Journalism and Yearbook can be counted toward the credits required for graduation but cannot be counted as a portion of the Language Arts major or the Language Arts graduation requirement.

Language Arts 9 **0110**
Gr: 9 **Length: Yr.**
Credit: 1 credit **NCAA Approved**

This course concentrates on developing composition and communication skills. The course offers major units of study in the novel, including such works as The Tragedy of Romeo and Juliet, The Odyssey, Monster, and Speak; short fiction;

Language Arts 9 Academic **0120**
Gr: 9 **Length: Yr.**
Credit: 1 credit **NCAA Approved**

In this course, the first step in preparing students for college level work, freshmen study the novel, short fiction, drama, poetry, nonfiction, and mythology. There are frequent composition assignments with emphasis on proficiency in the descriptive, narrative, and expository modes. In addition, students will become acquainted with the structure of the essay, including the use of transitions. Research skills will be introduced, and students will demonstrate these skills. In preparation for the OGT, Reading and Writing standards will be reinforced frequently throughout the year. Students are expected to complete reading and writing assignments both in and out of class (i.e. frequent homework). Students will read a work such as Speak, Romiette and Julio, West Side Story, Night, The Hound of the Baskervilles, Monster, and Twisted. Students will explore major units including Romeo and Juliet and The Odyssey.

Language Arts 9 Advanced (H) **0130**
Gr: 9 **Length: Yr.**
Credit: 1 credit **NCAA Approved**

This course is for the motivated and self-directed student who will accept the challenge of a fast-paced class. Students experience the same literary genres as the academic students with some additions such as The Hound of the Baskervilles, A Tale of Two Cities, Rebecca, or A Separate Peace. Students will be expected to choose additional selections for independent reading which will relate directly to the curriculum. Discussions are in greater depth and writing assignments more complex. Students are expected to grasp multiple levels of interpretation in their reading and discuss them in their writing. Students will be expected to develop a personal writing style over the course of the year. Vocabulary development, usage, and research skills are integral parts of the course.

Language Arts 10 **0210**
Gr: 10 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Language Arts 9

This course is designed for the student who struggles with reading and writing and who is unsure about college plans, and it reinforces the fundamentals needed by students. It consists of reading and writing about appropriate novels, such as Of Mice and Men and The Old Man and the Sea; short fiction; drama, such as Macbeth and The Oedipus Cycle; poetry; and nonfiction in order to strengthen students' literary background and their oral and written communication skills. Composition emphasizes basic paragraph development and introduces the structure of the multi-paragraph theme, including the use of transitions. Students will be introduced to basic research skills.

Language Arts 10 Academic **0220**
Gr: 10 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Language Arts 9 or 9 Academic

This course is designed for the college bound student. Dramatic techniques as well as characteristics of tragedy are taught with the study of The Oedipus Cycle, Macbeth, and Of Mice and Men. Students will be responsible for reading an additional self-selected novel each semester. Major works are supplemented by selected short fiction, poetry, and nonfiction units, which provide topics for discussion of major literary techniques. Composition centers on exposition, beginning with basic paragraph structure developed by major-minor supports, including examples and details and progresses to proficiency in writing multi-paragraph themes. Various sentence structures are taught and reinforced throughout the year. Most compositions are based on the reading assignments; however, some creative writing may be done for special projects throughout the year. Students will be introduced to collegiate research skills through a research paper.



Language Arts 10 Pre-Advanced Placement (H) **0230**
Gr: 10 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Successful completion of Language Arts 9 Academic or 9 Advanced and required summer reading. Any student not currently enrolled in Language Arts 9 Advanced should have the recommendation of his/her Language Arts 9 Academic teacher.

This class works with the same concepts and skills taught in the Academic class, but the discussions of literature go into more depth, the composition assignment load is heavier, and additional works of literature are read. Students will read *A Midsummer Night's Dream*, *The Grapes of Wrath*, and *The Oedipus Cycle* in addition to *Of Mice and Men* and *Macbeth*. Students are required to read two preselected novels the summer prior to the beginning of the fall term. Summer reading lists will be distributed in May. Students need to be prepared for follow-up assignments and tests concerning the summer reading selections that will be reflected in the student's first semester grades. Students are expected to learn and demonstrate sophisticated organization, development, and sentence structure in both the expository and creative writing modes. The students will complete a research project. The course is designed to prepare students for either Language Arts 11 Advanced or AP English 11: English Language & Composition.

Language Arts 11 **0310**
Gr: 11 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Language Arts 9 and 10

This course is designed for the non-college bound student who struggles with reading and writing. It reinforces basic skills in reading and writing as the students gain an understanding of the origin and characteristics of American literature. In addition to studying units in short fiction, nonfiction, and poetry, the students will read several American novels, such as *The Great Gatsby*, *Fallen Angels*, and others. Students will also study a dramatic work, *The Crucible*. Students will improve literary skills and develop proficiency of expression in their writing as they analyze elements of fiction and show relationships between literature and life experiences. Students will continue to develop their skills with multi-paragraph themes.

Note: All students in Language Arts 11 classes will prepare "Career Passports."

Language Arts 11 Academic **0320**
Gr: 11 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Recommended Language Arts 9 Academic and 10 Academic.

This course is designed for the college bound student who is proficient at reading and writing. Students will study the origin and characteristics of American literature from the Native American times to the present. Students will further develop basic literary skills by analyzing the elements of fiction to see how authors manipulate these elements for their purpose. Students will gain an understanding of the American experience and the American Dream through their study of works such as *A Lesson Before Dying*, *Our Town*, *Catcher in the Rye*, *A Raisin in the Sun*, *My Sister's Keeper*, and *19 Minutes*. Students will also write a formal research paper.

Note: All students in Language Arts 11 classes will prepare "Career Passports."

Language Arts 11 Advanced (H) **0330**
Gr: 11 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Language Arts 10 Academic or Pre Advanced Placement. Any student not currently enrolled in Language Arts 10 Pre-Advanced Placement should have the recommendation of his/her Language Arts 10 Academic teacher.

This class works with the same concepts, skills, and materials taught in the academic class, but the discussions of literature tend to go into more depth, composition assignments are more demanding, and additional works of literature are read. Students taking this course are expected to have an appreciation of literature as an art form, the ability to think and to work independently, and the skills necessary to develop a recognizable personal writing style. Students will be responsible for reading three pre-selected works the summer prior to the beginning of the fall term. Summer reading lists will be distributed in May. Students need to be prepared for follow-up assignments and tests concerning the summer reading selections that will be reflected in the student's first semester grades.

NOTE: All students in Language Arts 11 classes will prepare "Career Passports."

AP English 11: English Language & Composition **0340**
Gr: 11 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Teacher Recommendation, successful completion of Language Arts 10 Pre-AP and required summer reading.

This course has a two-fold focus. The AP English Language and Composition course requires nonfiction readings that give students opportunities to identify and explain author's use of rhetorical strategies and techniques. Students will come to understand and analyze the rhetorical triangle. In addition to preparing for the May AP exam, AP English continues the progression of Northmont's language arts instruction by examining American literature through the centuries. Students are required to complete assigned summer reading (five books) and are expected to test successfully on those readings in the first week of school. Also, students will be expected to read six to eight major works during the year. Students will work with various types of research and become skilled in judging the validity of both online and print materials. Students who sign-up for AP English 11 should be enthusiastic readers, good writers, and hard workers.

Language Arts 12 **0410**
Gr: 12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Language Arts 11

This course is designed for students who are unsure of their post secondary plans. It is a chronological survey of British literature including such major works as *Beowulf*, *The Canterbury Tales*, and *Hamlet*. Students will also read two British novels, and they will write reflective compositions, responses to literature, and functional documents (e.g. request for information and resumes) throughout the year.

Language Arts 12 Academic **0420**
Gr: 12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Language Arts 11, Academic, or Advanced.

This course is a survey of English literature from the Anglo-Saxon period through the twentieth century. Special attention is given to the influence of historical events on the literature of each literary period. There are intensive units on *Beowulf* or *The Canterbury Tales* and *Hamlet*. Students will also study four English novels during the year. In composition, students are expected to be proficient in the structure, organization, and development of multi-paragraph themes, and they will write a formal research paper on one of the major units. Students will receive individualized instruction in the preparation of a college application essay, which is usually an important part of gaining admission or winning scholarship awards. The fourth quarter includes a humanities unit in which the students will gain an appreciation of the interrelationships between literature and the fine arts. The students will present a humanities project to demonstrate their understanding and appreciation of this unit.

Language Arts 12 Advanced (H) **0430**
Gr: 12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Language Arts 11 Academic or Advanced. Any student not currently enrolled in Language Arts 11 Advanced should have the recommendation of his Language Arts 11 Academic teacher.

This course works with the same concepts, skills, and materials taught in the academic class, but the discussions of literature tend to go into more depth, composition assignments are more demanding, and additional literary works are read. Students taking this course should have an appreciation of literature as an art form, a recognition of the evolution of ideas and literary techniques, the ability to think and work independently, and the skills necessary to develop a recognizable personal writing style. Students will be responsible for reading three pre-selected novels the summer prior to the beginning of the fall term. Summer reading lists will be distributed in May. Students need to be prepared for follow-up assignments and tests concerning the summer reading selections that will be reflected in the student's first semester grades.

English 111 College Composition **11000**
Gr: 11-12 **Length: Yr.**
Credit: 1 credit HS/3 semester credits MU-Middletown **NCAA Approved**

Prerequisites: Miami University-Middletown

1) 2.5 or greater GPA; at least a C in two years of high school language arts; passed all parts of OGT; completion of college application process and payment of application fee; submission of Writer's Profile no later than May 27; acceptance of Writer's Profile per MUM English department faculty.

2) The cost of English 111 will be determined by MUM. Students will earn one credit of high school Language Arts, and three semester hours of College Composition. All coursework will become a part of the student's permanent college transcript. Students will have until October 30 to drop English 111 without a grade of W on their transcript. Any drop after this date will reflect a grade of W on the student's college transcript.

Northmont requirements:

1) Completion of Language Arts 11 (or Language Arts 10 with special permission); recommendation of current Language Arts teacher; completion of summer reading requirement before August 18.

2) Per Northmont High School requirements, a student is permitted to withdraw from a course no later than the twentieth school day for a year long course, and a student may not add a year long course after the twentieth school day. Students who are permitted to withdraw from a course after the above stated deadlines will receive a final grade of F, which will be used in the calculation of the cumulative grade point average. This course will become part of the permanent record and will be posted on all transcripts. Partial credit will not be issued.

English 111 is a dual-enrollment course offered at Northmont High School in conjunction with Miami University-Middletown. College Composition is a writing-intensive course based on basic principles and practices of rhetoric and composition and on how such principles and practices can be useful for producing writing that is effective for its purpose, audience, and context. The course will focus on three primary types of writing: reflective, experiential writing; academic analysis; and public argument. Students will analyze numerous literary works, including short works of fiction and nonfiction; longer works of fiction and nonfiction; drama; speeches; and non-print materials; along with sophisticated grammatical structures in their pursuit of becoming rhetoricians. The course will emphasize the writing process, with opportunities for multiple revision activities throughout each major writing assignment. The course will be structured around five major inquiry projects, which will be the majority of the course grade. Students will receive a grade each quarter as part of their Northmont report card, as well as final grades from Miami University-Middletown and from Northmont High School.

AP English 12 Literature and Composition **0440**
Gr: 12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Teacher Recommendation, successful completion of either AP English 11 or Language Arts 11 Advanced, and required summer reading.

This course is designed to foster college level writing and literacy skills through the curricular requirements outlined in the AP Course Description in preparation for the May AP exam. Students will examine literature through diction, syntax, literary traditions, historical and cultural influences, and various literary devices. Students are required to complete assigned summer reading requirements (five books) and are expected to test successfully on those readings in the first five weeks of school. Also students will be expected to read six to eight major works during the year including, but not limited to, *Hamlet* and *The Canterbury Tales* as well as selected British poetry and prose.

Students will be expected to complete objective and essay tests over the summer reading which will account for approximately one-third of their quarter one grade. AP students culminate their studies by an intensive comparative study of three works by a writer of their choice.

Etymology/Vocabulary **0525**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

This one semester class focuses on vocabulary skills, word origins, and the history of the English language. The focus of vocabulary development is to improve performance on the SAT and ACT college entrance exams. Curriculum includes recognition of prefixes, suffixes, and common roots. Computers are used to complete projects using the *Oxford English Dictionary* online.

Journalism I **0700**
Gr: 9-10-11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Satisfactory completion of English 8 (Grade requirement "C" or above).

Students in Journalism I learn the fundamentals of journalistic writing (news, sports, editorials, and features). They learn the techniques of proofreading, newspaper layouts, advertising, and photography. First semester will deal primarily with learning skills necessary to write stories for the student newspaper. Students electing this course must have a good grasp of English fundamentals and should have an interest in Journalism as a career. *Journalism Today* is the textbook used in this class.

Journalism II **0710**
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Satisfactory completion of Journalism I and permission of the instructor.

Students in Journalism II will perform the actual layout of the school newspaper. Each student will concentrate mainly in one particular area (news, sports, editorials, features, photography, or advertising). Students will serve as assistant editors.

Journalism III - IV **0720 /0725**
Gr: 11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Permission of the instructor is required for enrollment.

Journalism III and IV are open to juniors and seniors who have completed Journalism I and II successfully and who wish to continue their study of Journalism. Students will serve as editors.



Yearbook **0750**
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Permission of the instructor.

The purpose of the Yearbook Class will be to develop the skills needed to produce a quality high school yearbook. Emphasis will be placed on writing, graphics, photography, and advertising. Students will be expected to participate in all phases of production. Journalistic writing, photographic analysis, and promotional advertising will be studied and used as the book is created. The course is open to students in grades 10 through 12 who have at least a "C" average in Language Arts. Students with photography experience and interest in writing or business management are especially encouraged to enroll. Students should be aware that yearbook work is frequently time consuming, and they will be required to participate in some after school sessions.

Speech and Dramatic Arts

Public Speaking **0840**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

This course will give students training and experience in a wide variety of public speaking formats such as informative and persuasive speeches, group and panel discussions, and meeting leadership. Also designing and using computer generated visual aids will be an integral part of the course requirements. This course is recommended for students considering careers in which public speaking is a vital part such as law, education, marketing, human resources, government, and politics.

Technical Theatre I **0855**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit

This course offers students instruction and practical experience in technical theatre. Major units of study will include lighting design and operation, scenery design and construction, sound reinforcement, costuming, make-up, and props. Hands-on experience with stage equipment operation and set construction will be emphasized, but classroom instruction and evaluation will also be included in the course.

Technical Theatre II **0856**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Technical Theatre I

Technical Theatre II students will concentrate on designing set, lighting, sound, properties, costumes, and make-up that reflect an understanding of the artistic purpose and practical considerations of theatre design. Tech II students will also serve as crew chiefs for Tech I students. Students taking this course will work in teams as well as independently and must be self-motivated to stay on deadline in order to succeed.

Theatre Arts I **0860**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

This course will offer students the opportunity to learn the techniques of acting. Emphasis is placed on the use of the voice and body, acting techniques, and stage movement. Students work with other class members in the production of scenes from plays. This course involves some written assignments and reading of plays, but the emphasis is on performance and production.

Theatre Arts II **0865**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**
Prerequisite: Successful completion of Theatre Arts I.

Theatre Arts II will allow serious students of theatre to refine the acting skills they developed in Theatre Arts I. An in-depth study of different acting theories and techniques will be undertaken through both improvisation and scene work. Students will also study plays representing various styles and historical periods from an acting/production viewpoint. Directing will be introduced with each student being given the opportunity to direct a scene.

MATHEMATICS

Math I **2500**
Gr: 9-10 **Length: Yr.**
Credit: 1 credit **NCAA Approved**

This course covers the 9th grade math academic content standards in preparation for the OGT and future math courses. Students successfully completing this course are expected to take the Math II course the following year. A scientific calculator will be required for all Math I and Math II students. The calculator that will be used on the OGT is the TI 30 XII. It can be purchased in the NHS school store.

Algebra I **2510**
Gr: 9-10-11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**

This course will teach students the laws and operations of Algebra. It will build an understanding of linear, quadratic, absolute value, and exponential functions. Statistics and probability will be examined, and their application in the world will be discussed. Students will learn to communicate and write mathematically. The course includes the 9th grade math academic content standards. Successful completion with satisfactory comprehension of the material covered in this course will allow students to proceed to Geometry. A scientific calculator is required for this class. The calculator is the TI 30 XII.

Math II **2501**
Gr: 10-11-12 **Length: Yr.**
Credit: 1 Credit **NCAA Approved**
Prerequisite: Math I, or Algebra I.

This course covers the 10th grade math academic content standards in preparation for the OGT and future math courses. A scientific calculator, graph paper, protractor, and compass will be required for all Math II students. The calculator that will be used on the OGT is the TI 30 XII. This calculator and the required compass may be purchased in the NHS school store.

Geometry **2600**
Gr: 9-10-11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Algebra I.

This course will help develop logical reasoning and a knowledge of geometric shapes. In addition to teaching the 10th grade math academic standards, this course provides a solid foundation for the understanding of concepts in geometry necessary for higher math courses. Students will incorporate previously learned Algebra concepts to determine solutions to geometric problems. A scientific calculator, a compass, and a template are required for this course. The required compass and template can be purchased from the teacher or at the school store for approximately \$2 and \$4 dollars, respectively.

Consumer Mathematics 2320
Gr: 11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Completion of two high school math credits.

This course is devoted to the review of fundamental math skills necessary for students graduating from high school. Topics included are checking and savings accounts, taxes, installment loans and interest, acquiring different types of insurance, and making decisions about purchasing products by analyzing consumer costs. A scientific calculator is required for this class. The calculator is the TI 30 XII

Intervention Math 2502
Gr: 11-12 **Length: Sem.**
Credit: 1/2 credit

This course is designed to help those juniors and seniors who have not passed the Ohio Graduation Test. It will reinforce the 9th and 10th grade math academic content standards in mathematics as well as discuss test-taking tips for Ohio's required tests. The OGT calculator that is required for this course is the TI 30 XII. The calculator may be purchased in the NHS school store.

Math III 2650
Gr: 11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Math I or Algebra I and Math II or Geometry.

This is a course intended for highly motivated students who have successfully completed the 9th grade Ohio academic content standards course (Math I or Algebra I) and 10th grade Ohio academic content standards for mathematics (Math II or Geometry). The course is structured to follow the Math I and Math II courses by reinforcing topics already studied and supplemented with additional topics that are covered in Algebra I and Geometry in preparation for Algebra II or equivalent.

Algebra II 2700
Gr: 9-10-11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Geometry.

This course will extend the material studied in Algebra I. It includes variable relationships, functions, and geometric and algebraic concepts connected to topics in probability, statistics, and trigonometry. Special emphasis is given to the concept of change as embodied in linear, polynomial, exponential, logarithmic, and trigonometric functions. A graphing calculator is required for this course. The course instructor will use and teach the TI-83+ or TI-84+.

Introduction to College Algebra 2770
Gr: 11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Geometry.

This course is intended for students who need reinforcement of algebraic skills in preparation for college algebra. Students who have achieved a "B" average or better in Algebra II, or have earned a credit in FST or PDM should not enroll in this course without teacher permission. Topics include solving linear, quadratic, rational and exponential equations, some geometric topics, and a brief introduction to trigonometry. A strong emphasis is placed on use of technological approaches in solving problems, especially use of a graphic calculator. A graphing calculator will be required for this course. The course instructor will use and teach the TI-83+ or the TI 84+.

Functions, Statistics, and Trigonometry 2780
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Algebra II.

The FST curriculum emphasizes working with special functions such as the quadratic, cubic, hyperbola, inverse square function, absolute value, step function, and square root. Students are expected to recognize, manipulate, and graph equations for these basic functions, as well as identify important points for each graph, both with and without their graphing calculators. Students will work with Trigonometric graphs and equations in both degree and radian measures. Students will be given an introduction to basic statistics in performing one variable and two variable statistical computations, regressions of data, probability, and combinations. FST requires the use of a graphing calculator. The instructor will use and teach with the TI-83+ or TI-84+. Graphs are required to be on graph paper.

Trigonometry and PreCalculus (H) 2785
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: AP-Statistics or recommendation from Algebra II teacher.

This course is an extremely difficult and fast-paced college-level course covering the material from two of our year-long courses, FST and PDM, with all statistical material omitted. The prerequisites necessary for Calculus as well as derivatives and integrals will be covered. Trig/PreCalc requires a graphing calculator. The instructor will use and teach with the TI-83+ or TI-84+.

Statistics Advanced Placement 2790
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Outstanding completion of FST, PDM, Trig/PreCalc or with recommendation of an Algebra II teacher.

This college-level course will include topics in exploring data, planning a study, using probability as it relates to distribution of data, and applying inferential reasoning. A TI-83+ or TI-84+ graphing calculator with graph link is recommended. Students taking this course will be prepared to take the AP Statistic exam.

PreCalculus and Discrete Mathematics (H) 2800
Gr: 11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of Functions, Statistics and Trigonometry.

This challenging course prepares students for college-level work in Calculus. It explores topics that are important in a world dependent upon computers including logic networks, modular arithmetic, trigonometric equations, polar coordinates, limits, analysis of graphs, and introduces derivatives. PDM requires the use of a graphing calculator with the TI-83+ or TI-84+ graphing calculators recommended for student use.

Calculus (H) 2900
Gr: 11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Satisfactory completion of PreCalculus and Discrete Mathematics or Trigonometry and PreCalculus.

This college-level course covers much of the material found in the first two quarters of a four-quarter college Calculus course. Most of the topics covered may be found in the syllabus for AP Calculus with minor changes. Calculus requires a graphing calculator with either the TI-83+ or TI-84+ calculator recommended for student use.



Calculus AB Advanced Placement **2901**
Gr: 11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**
Prerequisite: Outstanding completion of PreCalculus and Discrete Mathematics or Trigonometry and PreCalculus.

This college-level course covers the material found in the syllabus for the advanced placement course Calculus AB, as well as additional topics helpful to students. Students will be required to successfully complete a summer assignment before the school year begins. The class includes an extensive review prior to the AP exam to increase student success. Students are encouraged, but not required, to take the AP exam. The College Board restricts which graphing calculator may be used on the AP exam. The TI-83+ or TI-84+ is strongly recommended for student use.

Calculus BC Advanced Placement **2902**
Gr: 12 **Length: Yr.**
Credit: 1 Credit **NCAA Approved**
Prerequisite: Outstanding completion of Calculus AB.

This college level course covers the material found in the syllabus for the advanced placement course Calculus BC, as well as additional topics helpful to students. Calculus BC is a full year course in calculus functions of a single variable. It includes all topics covered in Calculus AB. This class includes extensive review prior to the AP exam to increase student success. Students are encouraged, but not required, to take the AP exam. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB. The college board restricts which graphing calculators may be used on its AP test. The TI 83+ or TI 84+ is strongly recommended.

Course	Calculator Needed	Other Requirements
Math I	Scientific Calculator, OGT Recommended	
Math II	Scientific Calculator, OGT Recommended	Compass (Available at NHS School Store) Graph Paper, Protractor
Intervention Math	Scientific Calculator, OGT Recommended	
Consumer Math	Scientific Calculator, OGT Recommended	
Algebra I	Scientific Calculator, OGT Recommended	
Geometry	Scientific Calculator, OGT Recommended	Compass, Template (Available at NHS School Store)
Algebra II	Graphing Calculator Required, TI-83+ or TI-84+	
Introduction to College Algebra	Graphing Calculator Required, TI-83+ or TI-84+	
Functions, Stats, and Trig (FST)	Graphing Calculator Required, TI-83+ or TI-84+	Graph Paper
PreCalculus and Discrete Math (PDM)	Graphing Calculator Required, TI-83+ or TI-84+	
Trig/PreCalculus	Graphing Calculator Required, TI-83+ or TI-84+	
AP Statistics	Graphing Calculator Required, TI-83+ or TI-84+	
Calculus	Graphing Calculator Required, TI-83+ or TI-84+	
AP Calculus	Graphing Calculator Required, TI-83+ or TI-84+	

MUSIC

Music Electives

Music Theory I **8700**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

This is a beginning class for all students wanting to learn how to read music in various clefs, rhythmic patterns and notation, major and minor scales, key signatures, chords, and simple harmonization. Students in current performing groups are encouraged to participate. Students will have the opportunity for hands-on experiences with piano, drums, and other percussion instruments as they write, create, and perform their own compositions. Students will also be introduced to musical time periods and hear representative compositions by famous composers. Class workbooks are purchased by the student and are not included in general class fees.

Music Theory II **8710**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Complete Music Theory I, or permission of the instructor for piano students and students in band, choir, and orchestra.

This class is a continuation of Music Theory I. Students will have experience harmonizing melodies using primary and secondary chord structures. Also transposition, inversions of triads, chords, modulations, cadences, composition, and music arranging for strings, brass, and woodwinds will be covered. Class workbooks are purchased by the student and are not included in general class fees.

Music Theory - AP **8711**
Gr: 11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Music Reading/Music Theory or special permission from department head.

The equivalent of a first-year college course in music theory, the course will introduce students to musicianship, theory, musical materials, and procedures. It emphasizes music harmony and integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition as well as history, and style.

The History of Popular Music in America **8745**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit

The course is designed to give an in-depth look at the musicians that have made music in this country as famous and diverse as the people themselves. From Louis Armstrong to the Beatles, Miles Davis to Metallica, all great pioneers and innovators of American music will be focused on to give the student a true appreciation of what we call popular music in America.

Instrumental Performance

Students participating in instrumental performance groups are expected to participate in after-school practices and performances. Failure to participate can result in removal from the performance group without credit.

Jazz Ensemble I **8750**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Wind section students should be in a school performance ensemble. Rhythm section students must be proficient in reading music and audition (second Monday of May) prior to enrolling in the class.

Jazz Ensemble members are introduced to various styles of jazz performances. Students will work as an ensemble on the basic fundamentals of jazz including improvisation, combos, and solo playing.

Jazz Ensemble II **8755**
Gr: 9-10-11-12 **Length: Sem.**
Credit: 1/2 credit
Prerequisite: Completion of Jazz Ensemble I or permission of instructor. Wind section instrumentalists should be enrolled in a school performance ensemble. Rhythm section instrumentalists (piano, bass guitar, electric guitar and drum set) must be proficient in reading music and must audition for the director prior to enrolling in the class.

Jazz Ensemble II members are introduced to various styles of jazz performance. Students will participate in a large ensemble as well as small group settings. All students will utilize the musical techniques and skills developed in related musical ensembles, and they will also have the opportunity to increase their level of musical creativity. After school rehearsals and after school and out of school performances will be required for this course.

Band

Students may be enrolled in different course numbers for band according to the selection of the Band Director. Students enrolled in Wind Ensemble (8780) or Symphonic Band (8785) are enrolled in that class for the entire year and will not use multiple numbers.

Wind Ensemble **8780**
Gr: 9-10-11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Assignment by Band Director

Wind Ensemble is a premiere band for students who have achieved an advanced degree of proficiency on a woodwind, brass, or percussion instrument and is highly selective. Members are selected on the basis of performance ability, which is ascertained from the scores obtained from a performance test individually administered by the directors. Wind Ensemble performs difficult band literature and it is highly recommended that students in this group study privately. A number of public performances are expected, and some out of school rehearsal is required of members. Participation in events such as the OMEA competition, public concerts, pep band performance, and community functions are required. Students will be required to purchase a tuxedo or gown for this performing ensemble. Members of the Wind Ensemble are eligible to participate in Marching Band, a co-curricular activity.

Symphonic Band **8785**
Gr: 9-10-11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Assignment by Band Director

Symphonic Band is for students who have achieved a high degree of proficiency on a woodwind, brass, or percussion instrument. Members are selected on the basis of performance ability, which is ascertained from the scores obtained from a performance test individually administered by the directors. A wide variety of music, individual skills, and theory will be covered in this course. A number of public performances are expected of the organization, some out of school rehearsal is required of members. Participation in events such as the OMEA competition, public concerts, pep band performance, and community functions are required. Students will be required to purchase a tuxedo or gown for this performing ensemble. Members of the Symphonic Band are eligible to participate in Marching Band, a co-curricular activity.



Concert Band 8790
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit
Prerequisite: Assignment by Band Director

Concert Band is for students who have achieved a basic degree of proficiency on a woodwind, brass, or percussion instrument. Members are selected on the basis of performance ability, which is ascertained from the scores obtained from a performance test individually administered by the directors. Emphasis will be placed on basic skills and theory. A number of public performances are expected, and some out of school rehearsal is required of members. Participation in events such as the OMEA competition, public concerts, pep band performance, and community functions are required. Members of the Concert Band are eligible to participate in Marching Band, a co-curricular activity.

Chamber Orchestra 8820
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit
Prerequisite: Audition and selection by the director

Chamber Orchestra is a selected group of 9th, 10th, 11th, and 12th graders chosen by the audition process. This course requires a high level of proficiency on violin, viola, cello, and double bass. Students in this class have the opportunity to perform many styles and genres of music, including Symphonic Orchestra, throughout the year. Students in this class should be involved in outside activities such as Dayton Junior Strings, Dayton Philharmonic, and Southwest Region Orchestra. Participation in OMEA Solo and Ensemble and large group competitions are required at the director's discretion.

Concert Orchestra 8825
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit
Prerequisite: Strings - Completion of 8th grade Orchestra or consent of Director

Open to students who have achieved moderate playing proficiency on violin, viola, cello, and double bass. Students will be required to purchase concert attire for this course. Emphasis is placed on technical skills such as vibrato, upper position, and tone quality. A wide variety of musical genres represent student abilities while developing a life-long appreciation for music. Attendance at all rehearsals and concerts is required

Vocal Performance

Students participating in vocal performance groups are expected to participate in after-school performances and rehearsals required by the director of vocal music. Failure to participate can result in removal from the performance group without credit.

Freshman Choir 8900
Gr: 9 Length: Yr.
Credit: 1 credit

The Freshman Choir is open to any 9th grade student who can demonstrate the ability to match pitch and rhythm patterns. Students are required to perform at concerts and contests that occur outside of the regular school day.

Choir I 8910
Gr: 10-11-12 Length: Yr.
Credit: 1 credit
Prerequisite: Assignment by Choir Director

Choir I members are selected on the basis of performance ability, which is ascertained by an audition based on sight-singing and vocal performance. Choir I will sing all kinds of music, including sacred music, show tunes and popular music. Some of the activities of the choir will be outside of school time with performances given for various groups and organizations. Students are required to perform at concerts and contests that occur outside of the regular school day. Students will be required to purchase concert attire for this course.

Choir II 8912
Gr: 10-11-12 Length: Yr.
Credit: 1 credit
Prerequisite: Assignment by Choir Director

Choir II members are selected on the basis on performance ability, which is ascertained by an audition based on sight-singing and vocal performance. Choir II will sing all kinds of music, including sacred music, show tunes, and popular music. Some of the activities of the choir will be outside of school time with performances given for various groups and organizations. Students are required to perform at concerts and contests that occur outside of the regular school day. Students will be required to purchase concert attire for this course.

Show Choir (Encore) 8915
Gr: 10-11-12 Length: Yr.
Credit: 1 credit
Prerequisite: Audition

The Northmont Show Choir is a select group of 10th, 11th, and 12th graders chosen by audition. Their selection is determined by vocal ability, ability to do simple dance, stage presence, ability to work well in a small group, and interest in the group. The student is also required to submit a teacher recommendation.

In choosing the members of the Show Choir, the director does take school attendance and grade point average into consideration. Members of the show choir perform show tunes and popular music at various times of the school year and should be prepared for after school and evening performances. The Show Choir not only does school related performances, it also performs for a variety of community clubs and organizations. Students will be required to purchase concert attire for this course.

NJROTC

Naval Science I 3000
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit

The purpose of this course is to introduce students to the precepts of citizenship, the elements of leadership, and the value of scholarship in attaining goals. This course is also designed to engender a sound appreciation for the heritage and traditions of America and develop in each cadet a growing sense of pride in his/her organization, associates, and self. In addition, this course combines all the information on military drill and ceremonies, uniform regulations, physical fitness, orienteering, principles of health, first aid, and survival into one program. These elements are pursued at a fundamental level and practiced at several orientation visits (field trips and competitions) to military bases and camps throughout the United States.

Course content will include introduction to the NJROTC program: instruction in naval leadership and followership traits and principles; the duties, rights, and responsibilities of informed citizens; the basis of our government and its role in society; the various types of government in different parts of the world; the students' role as citizens of the United States; the role of the military forces in our national defense; the mission and construction of Navy ships and Navy aircraft, instruction in NJROTC uniform regulations, uniform appearance, uniform composition and requirements for earning ribbon awards; introduction to military drill, ceremonies, customs, and courtesies; demonstrate the hoisting, lowering, and folding of national and organizational flags; health education; introduction to physical fitness and sound exercise program; introduction to first aid and being prepared to give medical assistance to persons injured in battle, fire, collision and/or other accidents; and introduction to orienteering and survival.

Naval Science II **3010**
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Pass Naval Science I and interview with NJROTC instructor

This course will build on the general introduction provided in Naval Science I, to further develop the traits of citizenship and leadership in cadets, introduce cadets to technical areas of Naval Science, and engender a deeper awareness of the vital importance of the world's oceans to the continued well being of the United States. Furthermore, they will begin developing their skills in leadership and event planning as well as practice advanced military drill. These elements are pursued at a greater level and practiced at several orientation visits (field trips and competitions) to military bases and camps throughout the United States.

Course content will include understanding the importance of sea control and how sea power influenced the growth of early western civilization; naval history and heritage from the American Revolution through 1783; introduction of the growth of American sea power from 1783-1860; knowledge of the Civil War, 1861-1865; the importance of the Navy's role from The Rise to World Power Status 1865-1914; understand the importance of the Navy's role from World War I, 1914-1918; the importance of the Interwar Years, 1918-1941; understand the events that took place and military readiness of the Navy during World War II, 1941-1945; introduce events that took place in naval history in the Pacific War from 1941-1945; knowledge of and understand naval history from the end of World War II to the Cold Era, 1945-1999, and naval history from the 1990's and beyond. In addition, all cadets will be able to demonstrate, on a more advanced level, military drill, ceremonies, customs, and courtesies.

Naval Science III **3020**
Gr: 11-12 **Length: Yr.**
Credit: 1 Credit
Prerequisite: Pass Naval Science II and interview with NJROTC instructor

This course will build on the general introduction provided in Naval Science I and Naval Science II, to further develop the traits of citizenship and leadership in cadets. The purpose of this course is to further develop the understanding and importance of sea power and national security, naval operations and support functions, military law, international law and the sea. Furthermore, they will hone their skills in leadership and event planning as well as practice advanced military drill. These elements are pursued at a greater level and practiced at several orientation visits (field trips and competitions) to military bases and camps throughout the United States.

Course content will include investigating the role of sea power and national security; expand the understanding and knowledge of naval operations and support functions; obtain a basic knowledge of military law, discipline and punishment; have a working knowledge of the fundamentals of international law of the sea, and the law of war at sea, and collective security. In addition, all cadets will be able to demonstrate, at an advanced level, military drill, ceremonies, customs, and courtesies.

Naval Science IV **3030**
Gr: 12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Pass Naval Science III and interview with NJROTC instructor

This is the ongoing study of the principles of Naval Leadership. There is practical application of leadership theory through assignment to positions of leadership within the NJROTC unit. This course will include in-depth study of fundamentals of leadership, responsibilities, and qualities of leadership and achieving effective communication.

Note: Naval Science will account for 1/2 credit of elective in social studies.

CAREER BASED EDUCATION

Marketing Education I **7030**
Gr: 11-12 **Length: Yr.**
Credit: 1 credit
Prerequisite: Approval for admission by the Marketing Education Coordinator.

Marketing Education I is a program of study that serves as a springboard to those students desiring Marketing as a career. This program can provide an excellent background for students planning to attend college or a trade school. The course content includes marketing research, market planning, marketing strategy, market situation analysis, product promotion, and marketing management. Students enrolling in this course should consider taking Marketing Education II their senior year.

Marketing Education II **7035**
Gr: 12 **Length: Yr.**
Credit: 3 credits

Prerequisite: The student must have 15 credits, be at least 16 years of age, and be approved for admission by the Marketing Education Coordinator and Guidance Counselor.

Marketing Education II is a continuation of Marketing Education I. It is a program of studies and activities for persons planning a business career or being associated with business activity, not limited to business operations. The course content stresses the development of certain mental, physical, and social attributes that are needed for marketing studies. Student involvement in various research and civic projects help develop certain personal characteristics that are useful in a marketing environment. This class meets one period per day and students earn one unit of credit. For students enrolled in Marketing Education II, a work experience unit of two credits is also awarded providing the student works at least 15 hours per week in a marketing type of work assignment.

DECA, an association of marketing students, is an integral part of the total Marketing Education Program. All Marketing Education students, both junior and senior, are members of this national organization.

Sports and Entertainment Marketing **7040**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit

Sports and Entertainment Marketing allows students to explore careers and opportunities in this expanding field. Activities are designed with local businesses to provide "real world" experiences in marketing, management, and operations. Student involvement in research and civic projects helps develop skills and characteristics needed for employment in this field.



Jobs for Graduates 8000
Gr: 12 Length: Yr.
Credit: 1 credit

Jobs for Northmont Graduates will explore career possibilities for the high school senior. We will assess career interests and determine what education and special skills are necessary to succeed in this career. We will discuss what employers expect of employees and how to get ahead in the work force. We will learn budgeting and banking techniques to enable seniors to plan for after-graduation expenses. This class also includes the Career Association, a social and community service club that students must participate in throughout the school year as part of the curriculum. Out of school activities will be required. Officers will be elected to run the career association.

SCIENCE

Life Science 3110
Gr: 9 Length: Yr.
Credit: 1 credit NCAA Approved

Life Science is a hands-on, lab-oriented, introductory class designed to help students relate to our technological society. The course emphasis is on life sciences such as an introduction to animal and plant life, ecology, cells, genetics, the human body, and the adaptation of organisms.

Physical Science 3120
Gr: 10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved

This course is offered for general and developmental students to carry their education beyond Life Science. Students will study principles of measurement, basic chemistry, physics, and geology. Students will discover how these sciences relate to everyday life and help prepare for the OGT.

Biology I - (Life) 3210
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved

Biology is an academic course designed to acquaint the student with the living world. During the early part of the year, stress is placed on similarities among living things. Living chemistry and cell structure are of major importance. Later individual plants, animals, and microorganisms are studied to help the student appreciate the variety of this world. The plant world and its importance to our life on Earth, the functioning of the human body, factors involved in inheritance, and a study of our changing environment are some of the major topics studied in this course. It is hoped that the student's interest will be stimulated so that they will continue with later science classes including chemistry, physics, and/or an upper level of biology.

Biology II - (Life) (H) 3225
Gr: 11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of Biology I and Chemistry I.

The Biology II course generally follows the guidelines described in the Advanced Placement Biology curriculum at a slower pace. It is designed to be taken by students after the successful completion of Chemistry and Biology I. The studies will involve topics on molecular biology, cells, energy transformations, genetics and evolution, plant kingdom, animal kingdom, and ecology. Students in this course will not necessarily be prepared to take the AP Exam. This course requires above average reading skills and adequate amounts of study time outside of class.

Advanced Placement Biology - (Life) 3230
Gr: 11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Outstanding completion of Biology I and Chemistry I. Recommended B average in science courses.

The Biology II course follows the guidelines described in the Advanced Placement Biology curriculum. This course is designed to cover the curriculum of a freshman college Biology course. It is designed to be taken by students after the successful completion of Chemistry and Biology I. The studies will involve topics on molecular biology, cells, energy transformations, genetics and evolution, plant kingdom, animal kingdom, and ecology. This course is designed to prepare a student for the AP Exam. (Exam is not compulsory.) At least one hour of study every night will be needed for success in this class. A preparatory reading assignment over the summer will be required.

Chemistry I - (Physical) 3320
Gr: 10-11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of Algebra I or A in Math I with science teacher recommendation.

Chemistry I provides a survey of the concepts of physical chemistry including atomic theory, bonding theory, types of reactions, chemical calculations, families of elements, and the gas laws. Adequate experience in the chemistry laboratory is included in this course.

Chemistry II - (Physical) (H) 3325
Gr: 11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Satisfactory completion of Chemistry I with teacher recommendation.

Chemistry II is the equivalent of a first year college chemistry course. A college text is used, and students are expected to do college level work. The Advanced Placement Syllabus is followed, and students have the option of taking the Advanced Placement Examination to receive placement or credit on the college level. Topics covered are structure of matter, states of matter, reactions, organic chemistry, and descriptive chemistry. Students enrolling in Chemistry II should expect to work and expend time consistent with a college level course.

Advanced Placement Chemistry - (Physical) 3340
Gr: 11-12 Length: Yr.
Credit: 1 credit NCAA Approved
Prerequisite: Outstanding completion of Chemistry I recommended B average in science courses.

Chemistry II - AP is the equivalent of a first year college chemistry course. A college text is used and students are expected to do college level work. The Advanced Placement Syllabus is followed and students have the option of taking the Advanced Placement Examination to receive placement or credit on the college level. Topics covered are structure of matter, states of matter, reactions, organic chemistry, and descriptive chemistry. Students enrolling in Chemistry II - AP should expect to work and expend time consistent with a college level course.

Environmental Science (Life) 3200
Gr: 11-12 Length: Yr.
Credit: 1 credit NCAA Approved

Environmental Science is an investigation of communities, populations, and ecosystems. Attention is given to plant and animal relationships and adaptations to their environment. Students will also study the effects of weather and climate, pollution, natural resources, energy, taxonomy, and life in the past.

Geology - (Earth/Physical) **3205**
 Gr: 11-12 Length: Yr.
 Credit: 1 credit NCAA Approved

Geology is a course designed to study physical and historical geology in depth. The first three quarters will include mineral and rock identification, origins and occurrences, weathering and erosion, crystal deformations, and plate tectonics. Quarter 4 will concentrate on the reconstruction of the earth's historical past.

Physics - (Physical) **3330**
 Gr: 11-12 Length: Yr.
 Credit: 1 credit NCAA Approved
 Prerequisite: Satisfactory completion of Algebra I and completion or enrollment in Algebra II.

Physics is a course designed to give students a better understanding of the physical world around them and to prepare them for further studies in the field of science. Basic topics of study include mechanics, forces, energy, waves, electricity, and magnetism.

Advanced Placement Physics - (Physical) **3335**
 Gr: 11-12 Length: Yr.
 Credit: 1 credit NCAA Approved
 Prerequisite: Outstanding completion of Physics and Algebra II plus teacher recommendation.

Advanced Placement Physics is designed for the student with an interest in physics, engineering, or other science related careers. Students will be expected to do college level work. This is an advanced course that will prepare students to take the Advanced Placement Examination.

Human Anatomy and Physiology - (Life) (H) **3220**
 Gr: 11-12 Length: Yr.
 Credit: 1 credit NCAA Approved
 Prerequisite: Satisfactory completion of Biology I and Chemistry I.

Physiology is a study of the human body, its functions, and physical make-up. Laboratory work involves the dissection of a cat which is studied on a comparative basis. Genetics and abnormal functions of the body are also covered.

SOCIAL STUDIES

Psychology and Sociology

Adolescent Social Problems **4540**
 Gr: 10-11-12 Length: Sem.
 Credit: 1/2 credit

Adolescent Social Problems is a study of social and individual problems that are pertinent to adolescent development. A multitude of topics such as authority and obedience, youth in society, family violence, drug abuse, dysfunctional families, mental health, social networking, stress management, and eating disorders will be investigated. Students will be encouraged to examine their own values with regard to these social problems and develop a repertoire of available sources for their assistance.

Sociology **4510**
 Gr: 10-11-12 Length: Sem.
 Credit: 1/2 credit NCAA Approved

The first part of this course is devoted to the basic concepts of sociology including culture, conformity and deviance, roles, relationships and groups, social stratification, social institutions, and socialization. The second part of the course studies current social issues and problems including suicide, child abuse, rape, and homelessness.

Social Psychology **4500**
 Gr: 10-11-12 Length: Sem.
 Credit: 1/2 credit NCAA Approved

This course is a general survey of psychology as the science of the mind and the body. Areas of concentration are learning processes, personality development, and psychological influences in everyday living. Psychology is designed to provide a frame of reference for the development of personal understanding and the establishment of satisfactory social relationships.

Peer Facilitation **4950**
 Gr: 10-11-12 Length: Yr.
 Credit: 1 credit
 Prerequisite: Instructor Approval

The Peer Facilitation course is designed to train students to serve as positive role models and resources for other young people. The course is designed to train students to offer confidential active listening, support, alternatives, and information to a peer in an attempt to help him or her resolve his or her problem. Peer helpers try to reach students who might be reluctant to speak with adult helpers about small problems. Some peers will be invited to participate in the class for a second year in order to aid in the training of new peer facilitators.

Peer Facilitation II **4952**
 Gr: 11-12 Length: Yr.
 Credit: 1 credit

The aim of this course is leadership training. Instruction will center on group process, organizational skills, small group facilitation, and teen social problems. Activities in this course will center on assisting members of the NHS student body, training peer mediators, and publicizing the services provided by the peer facilitation program.

Peer Tutoring **4951**
 Gr: 10-11-12 Length: Yr.
 Credit: 1 credit
 Prerequisite: Selection through application and interview process.

The Peer Tutor program educates and trains students to effectively support students with disabilities. Peer Tutors will research and investigate a variety of disabilities, such as Autism, Developmental Disabilities, Dyslexia, visual impairments, etc. In addition, they will learn and implement strategies to support these students in various settings: classes, community, job-site coaching, etc. Peer Tutors serve as important role models and advocates for individuals with disabilities. Peer Tutors are expected to complete quarterly projects and journals, attend monthly meetings, have strong attendance, and be able to apply the tutoring strategies taught during training sessions and daily experiences. Students may participate as a Peer Tutor for a maximum of two years. (Availability of class will be determined by enrollment.)



World History

World History I **4645**
Gr: 9 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

This required course is in accordance with the Ohio Academic Content Standards for Social Studies. The focus is on World History. The standard and its indicators for History will explore the Enlightenment, Industrialism, and Imperialism. The standard and its indicators for People and Societies will explore interaction and diffusion. The standard and its indicators for Geography will explore places and regions, human environmental interaction, and movement. The standard and its indicators for Economics will explore markets and the impact of government on the economy. The standard and its indicators for Government will explore systems of government. The standard and its indicators for Citizenship Rights and Responsibilities will explore participation. The standard and its indicators for Social Studies Skills and Methods will explore thinking, organizing, and communicating information.

World History II **4805**
Gr: 9 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

This required course is in accordance with the Ohio Academic Content standards for social studies. The focus is on 20th century World History. The standard and its indicators for history will explore conflict in the 20th century. The standard and its indicators for people and societies will explore culture, interaction, and diffusion in the 20th century. The standards and its indicators for Geography will explore places and regions, and movement. The standard and its indicators for economics will explore markets and the impact of government on the economy. The standard and its indicator for Citizenship Rights and Responsibilities will explore participation, rights and responsibilities. The standard and its indicators for social studies skills and methods will explore thinking, organizing and communicating information.

The Holocaust **4860**
Gr: 11-12 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

The Holocaust is a nine week course that explores the events of the Jewish genocide conducted by Nazi controlled Germany. Emphasis will be placed on the Nazi abuse of political power, the myth of Aryan supremacy, the stark realities of camp life, and the atrocities committed to achieve Hitler's "Final Solution". (Availability of class will be determined by enrollment.)

Western Civilization **4705**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

This elective course will explore political, economic, artistic, and technological developments in Western Europe from the period of the Renaissance through the period of democratic revolutions in England, colonial America, and France.

American History

American History **4800**
Gr: 10 **Length: Yr.**
Credit: 1 credit **NCAA Approved**

This required course is in accordance with the Ohio Academic Content Standards for Social Studies. The focus is on American History. The standard and its indicators for history will explore industrialization, imperialism, 20th century conflict, and the United States in the 20th century. The standard and its indicators for people and societies will explore culture, interaction, and diffusion in the late 19th century and 20th century America. The standard and its indicators for geography will explore places and regions, human environmental interaction, and movement. The standard and its indicators for economics will explore markets and the impact of government on the economy. The standard and its indicators for government will explore rules and laws. The standard and its indicators for citizenship rights and responsibilities will explore participation, rights, and responsibilities. The standard and its indicators for social studies skills and methods will explore obtaining information, thinking, organizing, communicating information, and problem solving.

American History - Advanced Placement **4801**
Gr: 10-11-12 **Length: Yr.**
Credit: 1 credit **NCAA Approved**

Prerequisite: Selection by Course Teacher - Selection will be determined by the course teacher based upon the successful completion of a sample essay.

The AP American History course is designed for the student who can complete college level studies in the secondary school. The AP American History course follows the AP syllabus provided by the College Board. It is a comprehensive examination of American History from the Ages of Exploration through the 1980's. The course emphasizes the student's reading, writing, and interpretive comprehension skills. In May, the Advanced Placement Examination will be given for those students who desire to take the exam. Those who succeed on this exam will earn college level American History credit as well as high school credit.

Great American Wars **4830**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

Wars have helped to shape American domestic and foreign policy. Through involvement in wars, the United States has continually enlarged its role in world affairs. In this course an attempt will be made to trace America's foreign involvement and the growth of America's domestic industry resulting from warfare beyond our borders. (Availability of class will be determined by enrollment.)

History of the African-American **4850**
Gr: 11-12 **Length: Sem.**
Credit: 1/2 credit **NCAA Approved**

This course is more than a history of the African-American in the United States. It examines important African civilizations, the upheaval and relocation of African slaves, the American slavery period, and concept of racial inferiority and the effects of segregation and racism. Students will examine contributions of Blacks in many fields of endeavor.

Mock Trial **4700**
Gr: 10-11-12 **Length: Sem.**
Credit: 1/2 credit

Prerequisite: Recommendation from previous Social Studies teacher is required.

The Mock Trial class provides an opportunity for students to participate in an academic competition. Students will gain an understanding of the legal system and learn about their rights and responsibilities under the Constitution. Students will

prepare for involvement in the trial process as witnesses, attorneys, and judges. Students will be required to participate in public speaking events. There will be a district competition in which students will compete against other area schools with the opportunity to advance to state level competition.

American Government

American Government: The Role of the American Citizen 4900
Gr: 11 Length: Sem.
Credit: 1/2 credit NCAA Approved

Students will explore the role of the U.S. citizen in American democracy at the local, state, and national level. Students will recognize the components and benefits of our American democracy and the federal system. Students will examine the American political system and the election process.

American Government: Constitution 4910
Gr: 11-12 Length: Sem.
Credit: 1/2 credit NCAA Approved
Prerequisite: Teacher interview and selection required.

This course is designed to promote an increased understanding of the institutions of our constitutional democracy and fundamental principles and values on which they were founded. Students will develop the ability to identify issues that require political action and increase understanding and willingness to use democratic processes when making decisions.

American Government: Constitution II - (H) 4920
Gr: 12 Length: Sem.
Credit: 1/2 credit NCAA Approved
Prerequisite: American Government Constitution

This course is designed to promote an increased understanding of the democratic process of our Constitutional government. Students will hone their ability to identify and apply Constitutional processes culminating in a state level competition.

Criminal Studies 4520
Gr: 11-12 Length: Sem.
Credit: 1/2 credit NCAA Approved

Emphasis in this course will be given to the criminal justice processes from arrest to sentencing. Students may be offered the opportunity to participate in the "Ride-Along" program with the local police department. Many guest speakers will be utilized throughout the course.

Biographies 4535
Gr: 11-12 Length: Sem.
Credit: 1/2 credit NCAA Approved

Study the past by focusing on the people whose lives have shaped history. Each biography will emphasize historical context, cultural background, turning points in the lives of those being studied, and major events and/or accomplishments. The focus will be on individuals considered to be among the most influential 100 people in history. Presidential biographies will also be explored emphasizing historical context, cultural background, family life and major events while in office.

FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences (FCS) 6300
Gr: 9-10-11-12 Length: Yr.
Credit: 1 credit

FCS is a yearlong class designed to introduce the following content areas: personal development, resource management, foods and nutrition, life and family planning, housing, career paths and job skills, problem solving, decision making, interpersonal skills, and leadership. Most topics include hands-on activities and applications.

Foods and Nutrition 6420
Gr: 10-11-12 Length: Sem.
Credit: 1/2 credit

This course is for those students who are interested in cooking. The class also focuses on nutritional concerns such as The Dietary Guidelines for Americans, The Food Pyramid, and reducing fat and cholesterol in the diet. Healthy meal planning and preparation, food comparisons, correct measuring techniques and safety in the kitchen are topics also covered in the curriculum.

Financial Management I 6430
Gr: 10-11-12 Length: Sem.
Credit: 1/2 credit

This life planning course prepares students for everyday family financial decision making. Topics covered include goal setting and needs vs. wants, spending plans, paychecks and taxes, saving and investing, housing and transportation, credit and identity protection, and incorporating practical life skills.

Parenting 6440
Gr: 10-11-12 Length: Sem.
Credit: 1/2 credit

The focus of this course is on developing skills for responsible and effective leadership in parenting. It emphasizes the many demands of parenting, including cost, time, and energy. Students will participate in a parenting simulation as a part of class. They will wear a pregnancy belly to experience what pregnancy is like and then practice parenting for a weekend with our computer babies.

Child Development 6450
Gr: 10-11-12 Length: Sem.
Credit: 1/2 credit

This class is designed for students to learn about how children develop emotionally, socially, intellectually, morally, and physically. Caring for children's health and safety, child abuse, child care, children with special needs as well as normal growth and development will be taught. Various experiences actually working with children will be a part of this class.

Relationships & Transitions 6470
Gr: 11-12 Length: Sem.
Credit: 1/2 credit

This course is designed to help you manage the transition from high school to the real world. Topics covered involve understanding your personality, self-concept, character development, identifying values, setting goals, decision-making, time and stress management, college testing and study skills, college life, effective communication skills, conflict resolution, friends, love, dating, marriage, and work-place relationships.



CLASS OF 2012 & 2013

Subject Area	Graduation	CTC Admission	Honors Diploma		College "core"	NCAA	
			Northmont	CTC		Div I	Div II
Language Arts	4	2	4	4	4	4	3
Math	3	2	4	4	3	3	2
			Algebra 1, Geometry, Algebra 2, and a higher level course	Algebra 1, Geometry, Algebra 2, and a higher level course	Algebra I and higher	Algebra I and higher	
Social Studies	3 World History I, World History II, Am History, Govt. and .5 elective	2 World History I, World History II and Am History	4	4	3	2	2
Science	3 1 Life + 1 Physical + 1 elective science	2 1 Life + 1 Physical	4	4	3	2	2
			Must include Physics and Chemistry	Must include Physics and Chemistry			
Health	.5	.5	.5	.5	.5	.5	.5
Physical Education	.5 PE I & PE II or equivalent	.5 PE I & PE II or equivalent	.5 PE I & PE II	.5 PE I & PE II	.5 PE I & PE II	.5 PE I & PE II	.5 PE I & PE II
Fine Arts	1 or 1 of Bus/Tech		1		1	1 or 1 of Bus/Tech	1 or 1 of Bus/Tech
Foreign Language			3 (or 2 credits of 2 different languages)		2		
Additional course(s)				4 units of Career Technical Minimum		1 extra credit of English, Math, or Science	2 extra credits from English, Math or Science
Other requirements	Enough elective courses to equal 21 total credits	* no deficiencies (all courses listed above are passed) * at least a grade of "C" in Algebra		Achieve proficiency benchmark established for appropriate Ohio Career Technical Competency Assessment or equivalent		4 additional credits from English, Math, Science, Foreign Language, Philosophy, or Nondoctrinal Religion	3 additional credits from English, Math, Science, Foreign Language, Philosophy, or Nondoctrinal Religion
Other requirements	Pass all parts of the State Mandated testing. Enrollment in the minimum number of credits. See page 2	* Allied Health, Biotechnology, and Sports Medicine also requires a grade of "C" in Biology	* 3.5 accumulative GPA (grades 9-12) * Qualifying test score on ACT (27) or SAT (1210). 7 of the 8 areas plus the other requirements for the standard diploma see "Graduation" at left		high school diploma	Meet Initial Eligibility Sliding Minimums	Meet minimum core GPA of 2.0 and minimum test scores ACT (sum) 68 SAT (sum) 820



CLASS OF 2014 & BEYOND

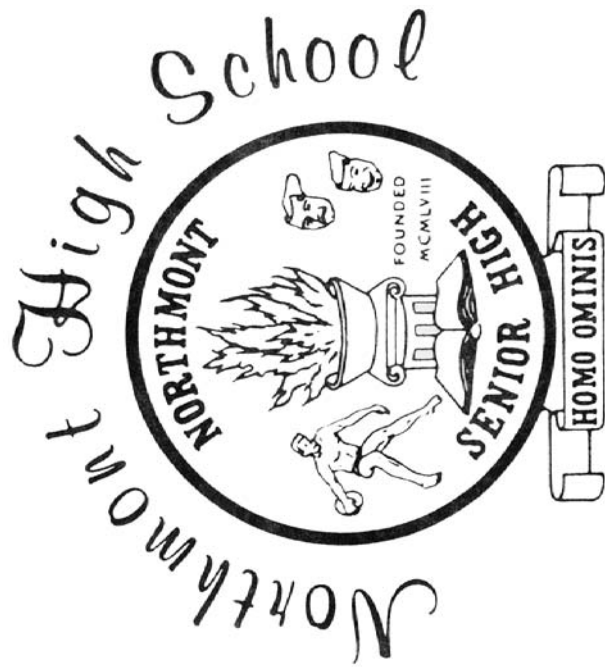
Subject Area	Graduation	CTC Admission	Honors Diploma		College "core"	NCAA	
			Northmont	CTC		Div I	Div II
Language Arts	4	2	4	4	4	4	3
Math	4 1 unit must include Algebra II or equivalent	2	4 Algebra 1, Geometry, Algebra 2, and a higher level course	4 Algebra 1, Geometry, Algebra 2, and a higher level course	4	3 Algebra I and higher	2 Algebra I and higher
Social Studies	3 World History I, World History II, Am History, Govt. and .5 elective	2 World History I, World History II and Am History	4	4	3	2	2
Science	3 1 Life + 1 Physical + 1 elective science	2 1 Life + 1 Physical	4 Must include Physics and Chemistry	4 Must include Physics and Chemistry	3	2	2
Health	.5	.5	.5	.5	.5	.5	.5
Physical Education	.5 PE I & PE II or equivalent	.5 PE I & PE II or equivalent	.5 PE I & PE II	.5 PE I & PE II	.5 PE I & PE II	.5 PE I & PE II	.5 PE I & PE II
Fine Arts	1		1		1	1	1
Foreign Language	none	none	3 (or 2 credits of 2 different languages)		2		
Additional course(s)						1 extra credit of English, Math, or Science	2 extra credits from English, Math or Science
Other requirements	Enough elective courses to equal 21 total credits	TECH PREP: * no deficiencies (all courses listed above are passed) * at least a grade of "C" in Algebra		Achieve proficiency benchmark established for appropriate Ohio Career Technical Competency Assessment or equivalent		4 additional credits from English, Math, Science, Foreign Language, Philosophy, or Nondoctrinal Religion	3 additional credits from English, Math, Science, Foreign Language, Philosophy, or Nondoctrinal Religion
Other requirements	Pass all parts of the State Mandated testing. Enrollment in the minimum number of credits. See page 2	* Allied Health, Biotechnology, and Sports Medicine also requires a grade of "C" in Biology	* 3.5 accumulative GPA (grades 9-12) * Qualifying test score on ACT (27) or SAT (1210). 7 of the 8 areas plus the other requirements for the standard diploma see "Graduation" at left		high school diploma	Meet Initial Eligibility Sliding Minimums	Meet minimum core GPA of 2.0 and minimum test scores ACT (sum) 68 SAT (sum) 820



Notes



Notes



Northmont High School

Program of Studies

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