

NEW RICHMOND HIGH SCHOOL

REGISTRATION BOOKLET

2009-2010

This scheduling booklet has been prepared as a resource for parents and students for planning a high school program. As you make these important decisions, you should consider the student's needs, interests, and career aspirations. Guidance counselors are available to answer questions and provide further information.

New Richmond High School wants and needs the support of each parent to provide a quality educational program. We depend upon you to assist us in the growth, development and successes of your son or daughter. We can achieve this objective through mutual cooperation and respect.

As you review this document, feel free to contact the school counselors for answers to questions or concerns that you might have. We are here to serve you and are ready and willing to assist you in the development of an appropriate academic program for your child.

NRHS Guidance Counselors for 2009-2010 School Year

Mrs. Carol Ann Coulter, ext. 10801 – Grades 10 & 12

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COURSE SUMMARY

AP – Advanced Placement Course

HN – Honors Course

TA – Teacher Approval

COURSE	GRADE	CREDIT	PREREQUISITE
ART			
3-D Art	9-12	½	Art Foundations
AP Studio Art	11-12	1 AP	Drawing / Painting II / TA
Art Foundations	9-12	½	None
Ceramics	9-12	½	Art Foundations
Crafts	9-12	½	None
Drawing / Painting I	9-12	½	Art Foundations
Drawing / Painting II	10-12	½	Drawing / Painting I
Multicultural Art	9-12	½	Art Foundations
Photography	11-12	½	Art Foundations
Photography II	11-12	½	Photography I / “C” or better in Photography I
BUSINESS			
Accounting I	10-12	1	None
Accounting II	11-12	1	Accounting I / TA
Business & Consumer	9-12	½	None
Business Seminar	11-12	½	None
Computer Apps.	10-12	½	None
Personal Finance	11-12	½	None
ENGLISH			
ACT Preparatory	11-12	½	None
Advanced English I	9	1 HN	TA
Advanced English II	10	1 HN	Advanced English I
Advanced English III	11	1 HN	Advanced English II
Advanced English Composition	12	½ HN	Advanced English III / TA
AP English Literature	12	1 AP	TA
English I	9	1	TA
English II	10	1	English I
English III	11	1	English II
English Composition	12	½	English III
English Workshop	10-12	½	None
Journalism I	9-12	½ HN	English I / Advanced English I / TA
Journalism II, III	11-12	1 HN	Journalism I / TA
Mythology	10-12	½	None
Poetry in Rock Music	10-12	½	None
Sports Literature	11-12	½	None
Survey of British Literature	12	½ HN	Advanced English III / TA

COURSE	GRADE	CREDIT	PREREQUISITE
FOREIGN LANGUAGES			
French I	9-12	1 HN	"C" or better in English
French II	9-12	1 HN	French I, "C" or better in French I
French III	10-12	1 HN	French II, "C" or better in French II
French IV	11-12	1 HN	French III, "C" or better in French III
Introduction to French I	9-12	½	None
Introduction to Spanish I	9-12	½	None
Spanish I	9-12	1 HN	"C" or better in English
Spanish II	10-12	1 HN	Spanish I, "C" or better in Spanish I
Spanish III	11-12	1 HN	Spanish II, "C" or better in Spanish II
Spanish IV	12	1 HN	Spanish III, "C" or better in Spanish III

HEALTH & PHYSICAL EDUCATION

Advanced Physical Education	11-12	¼	P.E. / "B" or better in P.E. / TA
Athletic Management	11-12	½	P.E. / "B" or better in P.E.
Circuit & Resistive Training	10-12	¼	P.E. / "B" or better in P.E.
Health	9-10	½	None
Physical Education	9-10	½	None
Weight Training	10-12	¼	P.E. / "B" or better in P.E.

INDUSTRIAL TECHNOLOGY

Architectural Drafting I	10-12	½	Drafting I / Drafting II / TA
Architectural Drafting II	10-12	½	Architectural Drafting I / TA
Drafting I	9-12	½	None
Drafting II	9-12	½	Drafting I / TA
Home Maintenance / Repair	10-12	½	None
Intro to Technology	9-12	½	None
TV / Radio Production	9-12	½	None
TV / Radio Production II	11-12	½	TV / Radio Production / "C" or better in TV / Radio Production
Pre-Engineering	9-12	½	Algebra I / Taking Algebra I concurrently
Woods I	9-12	½	None
Yearbook	9-12	1	TA/Recommendation from English teacher

MATHEMATICS

Advanced Algebra I	9-12	1 HN	TA
Advanced Algebra II	10-12	1 HN	Advanced Algebra I / TA
Advanced Geometry	9-12	1 HN	Advanced Algebra I / Algebra I (8 th grade) / TA
Algebra I	9-12	1	Transition to Algebra / TA
Algebra II	10-12	1	Algebra I / Geometry
Algebra III	11-12	½	Algebra II

COURSE	GRADE	CREDIT	PREREQUISITE
MATHEMATICS <i>Continued</i>			
Applied Math	11-12	½	Algebra II
Calculus AP	12	1 AP	Pre-Calculus / TA
Calculus	12	1 HN	Pre-Calculus / TA
Geometry	10-12	1	Algebra I
Pre-Calculus	11-12	1 HN	Advanced Algebra II / Algebra II / TA
Statistics	11-12	½	Algebra II
Transition to Algebra	9	1	None
Trigonometry	11-12	½	Algebra II

MUSIC / PERFORMING ARTS

AP Music Theory	10-12	1 AP	Entrance Exam/TA
Band I	9-12	1	Audition
Band II	10-12	1	Audition
Band III	11-12	1	Audition
Band IV	12	1	Audition
Guitar I	9-12	½	None
Guitar II	9-12	½	Guitar I
Mixed Chorus	9	1	Audition
Popular Singers & Their Songs	10-12	½	None
Select Mixed Choir	10-12	½	Audition
Survey of 20 th Century Music	10-12	½	None
Troubadours I	10-12	1	Audition
Troubadours II	11-12	1	Audition
Troubadours III	12	1	Audition

SCIENCE

Advanced Biology	10	1 HN	TA
Advanced Physical Science	9	1 HN	TA
AP Biology	12	1 AP	Advanced Biology / Chemistry I
AP Chemistry	12	1 AP	Chemistry I / TA
Astronomy	11-12	½	Physical Science / Biology
Biology	10	1	None
Chemistry I	11-12	1 HN	Algebra I / TA
Contemporary Issues in Biology	11-12	½	Biology
Env. Biology I – The Earth	11-12	1 HN	Biology / Advanced Biology
Forensics	11-12	½	Biology
Geology	11-12	½	Physical Science / Biology
Human Biology	11-12	1 HN	Advanced Biology
Introduction to Chemistry	11-12	½	Algebra I
Introduction to Physics	11-12	½	Algebra I
Physical Science	9	1	None
Physics	12	1 HN	Advanced Algebra II / TA
Zoology	11-12	½ HN	Biology / TA

COURSE	GRADE	CREDIT	PREREQUISITE
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SOCIAL STUDIES

Advanced History I	9	1 HN	TA
Advanced History II	10	1 HN	Advanced History I / TA
American Government	12	1	None
American History I	9	1	None
American History II	10	1	American History I
AP Government	12	1 AP	TA
AP Human Geography	11-12	1 AP	Western Civilization / TA
Current Events	9-12	½	None
Introduction to the Law	11-12	½	None
Psychology	11-12	½ HN	None
Western Civilization	11-12	1 HN	TA

GRANT CAREER CENTER

Allied Health Technology	11-12	2.5 HN	
Auto Collision	11-12	5.5	
Auto Service Technology	11-12	5.5	
Business and Finance	11-12	5.5	
Carpentry	11-12	5.5	
Cooperative Business Education	12	5.5	
Culinary Careers	11-12	5.5	
Cosmetology	11-12	5.5	
Horticulture Careers	11-12	5.5	
Engineering Design	11-12	2.5 HN	
Medical Information Tech.	11-12	5.5	
Metal Fabricating Tech.	11-12	5.5	
Teacher Academy	12	2.5 HN	

STUDENT WORKSHEET FOUR-YEAR SCHEDULING

Ninth Grade

Requirements:

English
Physical Education (9th or 10th)
American History I
Physical Science
Health (9th or 10th)
Math
Electives:

Tenth Grade

Requirements:

English
Health (9th or 10th)
American History II
Physical Education (9th or 10th)
Biology
Math
Electives:

Eleventh Grade

Requirements:

English
Science
Math

Electives:

Twelfth Grade

Requirements:

English
American Government
Math
Science
Electives:

One full credit of a fine art (Music or Art) and one full credit of a practical art (Business or Industrial Technology) must be completed during the four years to meet graduation requirements.

Students who attend the Grant Career Center must complete two full credits of either a practical art and/or a fine art.

GUIDANCE

Academic Eligibility

Academic eligibility is determined for participation in any extracurricular activity. Academic eligibility is to be earned on a grading period basis (approximately 9-week period). Each participating student must meet or exceed the scholarship requirements of the OHSAA. In addition, each student must have received a passing grade in all courses in which he/she was enrolled in the immediately preceding grading period with a minimum 1.5 grade point average. If the student received a failing grade in not more than one course in which he/she was enrolled and/or attained a minimum 1.0 grade point average during the immediately preceding grading period, he/she can petition for "**conditional eligibility**". Conditional eligibility places the student on a weekly eligibility and requires his/her attendance to at least 2 study tables per week for the grading period in question. Conditional eligibility will be granted only twice per school year. Semester average and yearly average have no effect on academic eligibility. Summer school courses cannot be used to remove deficiencies in order to obtain academic eligibility.

Academic Letters and Honor Roll

Honor roll will be calculated by using grade point average. A student achieving a grade point average of 3.0 or better and having no "D" or "F" letter grades will be named to the Honor Roll. Students achieving a grade point average of 3.6 or higher will be named to the Honor Roll with Commendation. Students earning a grade point average of 4.0 or higher will be named to the Honor Roll with Distinction.

To qualify for the academic letter, students must have qualified for the Honor Roll each of the first three grading periods and the fourth grading period of the previous year. Students who qualify for the Honor Roll with Distinction will receive from the Board of Education a "Lamp of Knowledge" pin. Qualifiers in subsequent years shall receive a service bar to be attached to the academic letter.

Auditing Courses

Students who wish to repeat a course for no credit must obtain permission from the principal or counselor and the teacher of the course before registering. Students who are auditing courses must participate in the class and complete the same requirements as all other students. Auditing students will receive grades on their report cards; however, both the report card and the permanent record will show that no credit was received for the course. Only courses being repeated may be audited. Audit grades will not be calculated into the student's GPA.

Building a Schedule

Students and parents are urged to carefully build a four-year high school program. This will help the student to have a program that will meet his/her goals. A worksheet has been provided at the front of this booklet showing the graduation requirements. By utilizing this sheet the freshman year and making the necessary modifications each succeeding year, the student can obtain a more meaningful high school program. Students entering as freshmen will have developed a 4-year plan by the completion of the Individualized Career Plan (ICP) with student, parent and facilitator at the 8th grade level.

Career Passports

The Career Passport is an educational initiative, based in legislation that targets all high school students. Students should have a polished draft by the end of their junior year. They will have the opportunity to revise and review it their senior year so they can leave New Richmond High School with a completed Career Passport. The Passport provides students with a process that prepares them for their transition from school to work and/or additional education and provides employers and admissions officers with clearer information about the student. **SUCCESSFUL COMPLETION OF THE CAREER PASSPORT WILL FULFILL ONE OF THE REQUIREMENTS TO EARN CREDIT IN SENIOR ENGLISH COMPOSITION.**

College Visitation and Job Shadowing

Juniors or seniors having a definite appointment with a college admissions office or a job site may be granted up to three days each of junior and senior years of approved absences (providing students return verified college visit form) for college visitations. Clearance for such appointments must be made with the guidance office a minimum of two days prior to the day of the proposed absence.

It will be the responsibility of the student to make up work missed. For students planning to attend college, it is to his/her advantage to have selected two or three colleges to which she/he plans to apply by the beginning of the senior year. REQUESTS FOR VISITS TO LOCAL COLLEGES, UNIVERSITIES, OR JOB SITES WILL NOT BE APPROVED IF ARRANGEMENTS CAN BE MADE FOR AFTER SCHOOL OR WEEKENDS.

Course Changes

Schedule changes, in general, are discouraged. However, there may be circumstances in which a student will feel the need to change his/her schedule. In these cases, changes may be requested during specified time periods. No schedule change will be made without the written approval of the parents and the endorsement of teachers, counselors, and the principal. Forms are available in the guidance office. REQUIRED COURSES MAY NOT BE DROPPED OR POSTPONED. FULL CREDIT COURSES MAY NOT BE DROPPED MID-TERM.

If a course is dropped after the specified time period, the student will receive an automatic "WF" (withdrawn failing) on her/his transcript, regardless of the grade earned while in the course. No "WF" changes will be allowed without a parent/counselor conference. Students are reminded that a "WF" is treated as an "F" when grade point averages are calculated. Students may be enrolled in or return from the Grant Career Center after the first two weeks of school, but at no other time during the school year.

There are times when an English, math, or science teacher may feel that a student needs to be moved to a different level of his/her course. This may be done without the "WF" penalty providing proper schedule change procedure has been followed and everyone involved is in agreement. Examples of placement changes are: from Advanced English I to English I; from Advanced Algebra I to Algebra I.

Diploma / Honors Diploma

Ohio high school students have the opportunity to earn either a regular high school diploma or an honors diploma.

What are the criteria for receiving a regular diploma? The student must successfully complete the high school curriculum or individualized education program developed for the student by the high school and demonstrate at least a ninth grade level of literacy and basic competency on all required ninth-grade proficiency tests.

What are the criteria for receiving an honors diploma?

The student must meet the same requirements established for the regular diploma plus the criteria for honors provided below.

The student who completes the college preparatory curriculum in high school shall meet at least eight of the following nine criteria:

- Four units of English
- Three units of mathematics that include algebra I, algebra II, and geometry or complete a three-year sequence of courses that contain equivalent content
- At least three units of science that include instructional emphasis on the physical life, and earth and space science
- Three units of social studies
- Either three units of one foreign language or two units each of two foreign languages
- One unit in fine arts
- Either one unit of business/technology and two additional units in the items listed above or earn three additional units in items listed above
- 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
- Obtain a composite scores of 27 on the ACT tests or an equivalent composite score on the Scholastic Assessment Tests SAT

The student who completes at least two years of an intensive vocational or technical education curriculum in the high school shall meet at least nine of the following ten criteria:

- Four units of English which may include one unit of applied communication
- Three units of mathematics which should include algebra and geometry or a sequence of courses that contain equivalent content
- Three units of science that develop concepts for physical, life and earth and space science
- Three units of social studies
- Two units of a foreign language, or two units of business/technology; or one unit of each
- Three units in the student's career-technical education curriculum
- Two additional units of the items listed above or in fine arts
- Maintain an overall high school grade point average of at least 3.5 on a 4.0 point scale up to the last grading period of the senior year
- Complete a career passport that reflects achievement of the occupational proficiency benchmark established for the Ohio Vocational Competency Assessment or the equivalent
- Obtain composite scores of 27 on the ACT tests or an equivalent complete score on the SAT

Early Graduation

New Richmond High School is a four-year institution, and as such, graduation in less than four years is discouraged for most students. Four of the last five credits for graduation must be earned at New Richmond High School. In general, students who find themselves able to complete graduation requirements at the end of 3 1/2 years could well use the full senior year for purposes of maturing adequately to face the educational, vocational and personal decisions that must be made after high school. Most students find their senior year the highlight of their high school career and should, therefore, be hesitant to leave early.

Any student, however, who desires to graduate in less than the normal four years of regular attendance shall comply with all the basic graduation requirements outlined above and, in addition, shall comply with the following requirements:

1. File a written request (on an approved form supplied by the school) from the student's parents to the principal. This request must be submitted at least one semester prior to the semester of early graduation.
2. The team of teachers and the parents will make final determination.
3. If the student intends to participate in the graduation ceremony, it is the student's responsibility to inform the principal of such and make the necessary arrangements. Student must complete any special requirements set by the principal in order to participate in the graduation ceremony.
4. Any student who completes requirements prior to the end of four years and withdraws early without proper approval (as outlined above) will automatically be excluded from participating in any senior activities from that point on (prom, graduation exercises, etc.)
5. Students graduating early forfeit their right to be the valedictorian or salutatorian of the class.

Exam Exemptions

Students may qualify for exemption from one final exam per semester if the follow criteria are met:

1. An "A" average for both quarters in the semester.
2. No more than three excused absences during the semester. An unexcused absence will disqualify the student.
3. Teacher verification of grades.

Fees

All students will be required to pay a general fee to help cover costs of general supplies and student identification cards. **Some courses may require an additional fee.** The general fee is waived upon request for those students receiving ADC benefits. Legal documentation must be provided. Transcripts are free for current students. Graduates or other out of school persons will pay \$2.00 per transcript copy. Students taking Advanced Placement courses shall pay for any AP tests they take.

Grade Point Average and Class Rank

Grade point average is determined by an accumulation of points divided by the number of credits attempted. All subjects are included in the grade point average. Semester grades will be the basis of computation. "Audit" grades are not included in the GPA. Grade point averages shall be computed at the end of every semester. Honors and advanced placement classes receive additional weight:

Regular Classes	A = 4	B = 3	C = 2	D = 1	F = 0
Honor Classes	A = 4.5	B = 3.375	C = 2.25	D = 1.125	F = 0
AP Classes	A = 5	B = 3.75	C = 2.5	D = 1.25	F = 0

Class rank is established by using the GPA and ranking the students numerically. If two or more students have the same overall average, they are ranked as being equal and the student next in rank is dropped places equal to the number tied.

Grade System

Course grades are computed by averaging two nine weeks grades and the semester examination grade. Nine weeks grades are worth 2/5 each of the semester grade, while the semester exam grade is worth 1/5. Of the three grading periods (1st quarter, 2nd quarter, and semester exam), the student must pass at least two in order to earn class credit. Interim reports will be distributed at the end of 4 1/2 weeks and 13 1/2 weeks each semester.

Where percentage grades are used by a teacher for computing course grades, the following scale applies:

A = 100 – 94	B = 93 – 84	C = 83 – 74	D = 73 – 67	F = 66 – 0
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Only letter grades are recorded on report cards. Teacher discretion may be used in computing a 9 weeks grade for a student. However, teachers will consistently use the following method in figuring course grades:

F = 0-2 D = 3-7 C = 8-12 B = 13-17 A = 18-20
Example – (using A=4, B=3, C=2, D=1, F=0)

<u>First 9 Weeks</u>	<u>Second 9 Weeks</u>	<u>Exam</u>	
B	A	C	
3+3 (2/5)	4+4 (2/5)	2 (1/5)	= 16 = B

Graduation Requirements

The following courses are the minimum requirements for all students***:

American Government	1 credit
American History I and II	2 credits
English	4 credits
Health	½ credit
Mathematics	4 credits
Practical Arts*	1 credit
Fine Arts**	1 credit
Science (1 Biological, 1 Physical)	4 credits
Physical Education	½ credit
Electives	5 credits

* Courses chosen from among those offered in Industrial Technology and Business.

** Courses chosen from among those offered in Art and Music.

*** Students who attend the Grant Career Center must complete two full credits of either a practical art and/or a fine art.

Students must pass all sections of the Ohio Graduation test in order to graduate.

Students are required to meet the state standard for the Ohio Graduation Test, in addition to all local graduation requirements, in order to obtain a high school diploma. State tests will be administered during the school year on a schedule as determined by the Ohio Department of Education.

Only those students, who have completely met the requirements for graduation as approved by the NREVSD Board of Education, will be permitted to participate in the commencement ceremony.

Students must complete a minimum of 20 hours of pre-approved community service during their sophomore, junior or senior years as part of their senior Government class requirement.

Graduation With Honors (Local District)

Students graduating with at least a 4.0 GPA and 24+ credits shall graduate with “Highest Honors”. Students graduating with 24 credits or more and at least a 3.6 GPA shall graduate with “Honors”. Students qualifying for honors and highest honors will be recognized at the commencement ceremonies. In addition, students who achieve perfect attendance for twelve years of school will also be honored at commencement ceremonies.

Grant Career Center Requirements

The students of New Richmond High School will have career oriented programs available to them through the Grant Career Center. This specialized educational center is a joint venture of four school districts (Bethel-Tate, Felicity-Franklin, Williamsburg, and New Richmond) and is an extension of the curriculum of each of these schools. Its purpose is to prepare students during their junior and senior years for gainful employment through quality teaching of job skills and practical academic subjects. Transportation to Grant is provided by the New Richmond School District. Graduation Requirements for Grant Students (in addition to completing a Career Passport and successfully completing vocational program) is 21 credits.

Prospective Grant students who have credit deficiencies when enrolling must make-up all deficiencies prior to graduation in order to receive their high school diploma.

Five and one-half units of credit or more can be earned each year at the Career Center. The breakdown of credits would be two and one-half for shop or laboratory experience, two for the related class, and one for the academic subject. Students have the opportunity to earn additional credit based on need and scheduled classes.

Since the Grant Career Center is an extension of the home school, all students who complete their course requirements at the Grant Career Center will receive a regular diploma from their home school. Students must receive 21 credits, pass all components of their vocational program (related and lab classes), pass all required portions of the Ohio Graduation Test, and meet the following specific subject requirements:

English	4 credits
Math	3 credits
Social Studies	3 credits
Science	3 credits
Health / P.E.	1 credit (½ credit each)
Fine / Practical Art	2 credits

Students who participate in Grant's ½ day Tech Prep programs (Allied Health, Engineering Design, and Teacher Academy) and those students who do not successfully complete their vocational program will be required to earn credits as required by those students who attend the home school.

Students attending the Career Center are eligible to participate in sports and other extra-curricular activities offered at their home school. Students will also have the opportunity to participate in vocational club activities at the Career Center.

Two-Year Programs (taken during grades 11-12)

Allied Health (TechPrep)
Auto Collision
Auto Technology (TechPrep)
Business and Finance
Carpentry
Culinary Careers / Management
Cosmetology
Engineering Technology (TechPrep)
Horticulture
Medical Informational Technology
Metal Fabrication Technology

One-Year Programs (taken during grade 12)

Culinary Careers / Management
Marketing Education
Teacher Academy (TechPrep)

Note: A computer lab is available to all students at Grant Career Center.

Method of Earning Credits

Two nine- week grading periods constitute one semester. Interim reports will be issued after 4 ½ weeks of each grading period. Reports cards will be issued every nine weeks. Credit will be granted at the end of each semester upon completion of the semester course.

Planning a Course of Study

Although the NRHS curriculum is not specifically tracked, students do need to be aware of the types of programs and plan their courses of study appropriately. There are two basic options in planning a program:

1. **Vocational** - Students in the vocational program will elect to attend the Grant Career Center during their junior and/or senior years.
2. **College Core Curriculum** - Students in the college core curriculum take as many courses as possible to meet college admission standards. The following should be considered as minimum recommendations for these students:

English	4 years
Fine Arts	1 year
Foreign Language	3 years
Mathematics (<i>including Algebra I, Geometry, Algebra II. A math class should be taken during senior year</i>)	4 years
Science (<i>must include Physical and Biological</i>)	3 years
Social Studies (<i>including American History and American Government</i>)	3 years

Since specific college and program requirements vary, it is essential that students seek guidance counselor aid as early in high school as possible for assistance in interpreting those requirements.

Post-Secondary Option

Eligible students in high schools across the state of Ohio may participate in post-secondary options at the college, technical college, and university level. To qualify, students must meet enrollment requirements by the respective college. In most cases, HN credit will be awarded for these classes.

NRHS will provide information about the post-secondary options program by March 1. Participation in this orientation program is required. A student and his/her parent shall inform the high school principal in writing by March 30 of the student's intent to participate in the post-secondary options program. Failure to do so will result in ineligibility to participate during the next academic year without permission of the superintendent (ORC 3301-44-03).

Resource Center

The library is the media center of the entire school. It contains many types of printed materials, audio-visual, software and hardware. Both students and faculty circulate these materials from the Resource Center. The media center is open to students daily and during the lunch hour.

Scheduling Procedure

The following steps explain the overall process:

1. Students will review the on-line scheduling guide.
2. Students will seek the aid of teachers, counselors and parents in determining the desired courses.
3. Final course selections will be approved by the appropriate teachers and signed by a parent.
4. The principal will create the master schedule based upon the computer processed class requests.
5. Individual computer generated student schedules will be completed prior to the opening of the next school year.

School Attendance / Schedule Load Requirements

Most students will be assigned to courses all periods of the day. Students who are absent are required to make-up all work missed. Students will have an equal number of days in attendance (to days absence) to complete missed assignments for credit. Make-up opportunities will be provided by appointment with individual teachers.

Summer School and Correspondence Schools

Summer school and correspondence school credits will be accepted for graduation only if the principal and/or guidance counselor has given prior approval. Permission granting approval for correspondence courses may be obtained from the Guidance Office and will be considered only when extremely rare circumstances warrant. Arrangements should be made to make up deficient credits in summer school.

Required courses may not be taken for advanced credit in summer school or by correspondence. Credit will be accepted, with prior approval, for such courses only if the student is repeating a failed course.

COURSE DESCRIPTIONS

ART

Course	Grade	Credit	Prerequisite
3-D Art	9-12	½	Art Foundations
AP Studio Art	11-12	1AP	Drawing/Painting II / TA
Art Foundations	9-12	½	None
Ceramics	9-12	½	Art Foundations
Crafts	9-12	½	None
Drawing / Painting I	9-12	½	Art Foundations
Drawing / Painting II	10-12	½	Drawing / Painting I
Multicultural Art	9-12	½	Art Foundations
Photography	11-12	½	Art Foundations
Photography II	11-12	½	Photography I / "C" or better in Photography I

3-D Art

This semester course will cover sculptural elements such as wire sculpture, mask making, and wood. Students will experience basic 3-D concepts and qualities of form, shape, mass, and volume.

AP Studio Art

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year.

Prerequisite of A/B grades in Art Foundations, Drawing/Painting I & II, and approval of the instructor is required.

Art Foundations

This is the basic required course that gives students the tools and concepts for all future studio work in art. Students will be expected to show competency in design and composition principles, color theory, drawing, and collage techniques.

Ceramics

This semester course will cover basic hand building techniques.

Crafts

This course will cover more practical, usable art such as tie dying, book/paper making and origami.

Drawing / Painting I

Drawing/Painting I is an in-depth studio course, which explores fundamental areas of painting as executed in various medium of watercolor, oil, and tempera. Drawing exercises will deal with perceived observations as well as conceptual problem solving.

Drawing / Painting II

This course will provide more in-depth studies in all painting media; watercolors, water base opaque paints, oils, and acrylics and mixed media with these paints. Since drawing ability is an essential tool, it is recommended that only advanced students consider this course. Students will be expected to learn about painters and styles of painting while executing their own works.

Multicultural Art

This is a course that will give students experience in making art, and crafts associated with other countries and ethnic origins. Islamic art, African art, Native American, Japanese, American folk art, etc. will be explored. The use of other cultures as a source of inspiration for student work will be integrated with information about cultural diversity.

Photography

This is a general introduction to photography designed for those with little or no previous experience with photography.

Photography II

This course will look at the digital and graphic nature of photography.

BUSINESS

Course	Grade	Credit	Prerequisite
Accounting I	10-12	1	None
Accounting II	11-12	1	Accounting I / TA
Business & Consumer	9-12	½	None
Business Seminar	11-12	½	None
Computer Applications	10-12	½	None
Personal Finance	11-12	½	None

Accounting I

This is a beginning course in bookkeeping-accounting procedures covering the entire accounting cycle geared to a small service and merchandising operation. Course work culminates in the completion of a practice set in which the student maintains the completed records of a small retail business for a month. This course is especially important for students planning to pursue a business major in college and for students pursuing a career as a bookkeeper or accounting clerk.

Accounting II

This is a second year course building on the accounting cycle. A simulation at the beginning of the course covers accounting principles as they apply to family records. Coursework culminates in the completion of a practice set in which the student maintains the complete records of a merchandising business. Computer applications for accounting will also be introduced. This course is especially important for students planning to pursue a business major in college and for students pursuing a career as a bookkeeper or accounting clerk.

Business and the Consumer

The course is designed to develop a comprehensive appreciation of the American business system and the economic setting in which it functions. Concentration is focused on four areas: personal management, consumer economics, social economics, and occupational economics. The course entails all facets of business-related problems and decisions that the student will be confronted with both while in school and in the years following school.

Business Seminar

The purpose of this class is to inform students on various topics covering different aspects of business such as, economics, marketing, entrepreneurship, etc. This class is an "independent study" where students will be given a topic at the beginning of the week; they will research information on that topic and then present it to the class at the end of the week.

Computer Applications

This course is designed to continue with the study of computer uses and applications that were introduced in the Keyboarding course. Advanced units in word processing will be covered as well as the introduction of programs such as Microsoft Access and Microsoft Excel. As time permits, there may also be applications for Internet usage and PowerPoint. This course is especially important for student pursuing a career in a business-related field.

Personal Finance

This course introduces topics about budgeting and consumerism. Understanding the basic economic problem of unlimited wants and limited resources also will be an objective. The students will complete a budget, take part in a record-keeping simulation, and discuss the right and responsibilities of consumers.

ENGLISH

Course	Grade	Credit	Prerequisite
ACT Preparatory	11-12	½	None
Advanced English I	9	1 HN	TA
Advanced English II	10	1 HN	Advanced English I
Advanced English III	11	1 HN	Advanced English II
Advanced English Composition	12	½ HN	Advanced English III / TA
AP English Literature	12	1 AP	TA
English I	9	1	TA
English II	10	1	English I
English III	11	1	English II
English Composition	12	½	English III
English Workshop	10-12	½	None
Journalism I	10-12	1 HN	English I / Advanced English I / TA
Journalism II, III	11-12	1 HN	Journalism I / TA
Mythology	10-12	½	None
Poetry in Rock Music	10-12	½	None
Sports Literature	11-12	½	None
Survey of British Literature	12	½ HN	Advanced English III / TA

Students at NRHS are required to successfully complete four years of English. All honors courses are taught more in-depth and are recommended for college-bound students. The English Department, in light of state standards recommending an increased emphasis upon English and higher admission standards which have been adopted by many colleges and universities, strongly encourage all college-bound students to take the equivalent of five years of English (all four advanced English courses plus electives equal to one credit).

Students will actively engage in the processes of reading, writing, speaking, listening and viewing through the use of a variety of types of media such as films, newspapers, novels, short stories, manuals, etc.

In all English courses, each student will create a portfolio of writing including various examples of a variety of writing types including career-oriented pieces.

ACT Preparatory

This course is designed to help both juniors and seniors prepare to take the ACT test. Students choosing to take this course will learn specific test taking strategies and review basic English and math concepts. During this course all students must take three full-length practice tests. Grading for this course is based on a combination of class participation and test score improvement. NOTE: All students are required to purchase a paperback textbook.

Advanced English I – Survey

Designed for the college bound freshman, Advanced English I will concentrate on the skills needed to proceed successfully in the advanced English curriculum. Emphasis is placed on an overview of multicultural literature, consisting of novels, short stories, essays, plays, poetry, and nonfiction. Equal emphasis will be placed on writing, speaking, and listening skills. In addition, there will be intensive vocabulary study. (Advanced English I begins a four-year vocabulary program.) Also, a unit on career investigation is a required segment of this course. NOTE: All students will be required to read two novels during the summer preceding the course. Additionally, each student will be required to purchase four paperback novels and a vocabulary workbook.

Advanced English II – Survey

Designed for college-bound sophomores, Advanced English II will concentrate on skills needed to proceed successfully in the advanced English curriculum. Literature study will include a variety of multicultural fiction, including novels, short stories, plays, and poetry, and nonfiction works, including essays, newspapers, etc. Emphasis will be placed on writing, career investigation, correct grammar and usage, and intensive vocabulary study. (Advanced English II continues a four-year vocabulary program.) Writing assignments will include a five-paragraph essay, a career portfolio with an “I-Search” paper, and a poetry portfolio. Equal emphasis will be placed on the use of writing process strategies for prewriting, drafting, revising, editing, and publishing. A unit on career investigation is a required segment of this course. NOTE: All students will be required to read two novels during the summer preceding the course. Additionally, each student will be required to purchase four paperback novels and a vocabulary workbook.

Advanced English III – American Literature

Designed for the college-bound junior, Advanced English III will concentrate on skills needed to proceed successfully in the advanced English curriculum. This course consists of a survey of multicultural American literature including fiction and nonfiction. It includes chronological units based upon trends and developments in American literature and their relationship with historical events. Emphasis will be placed upon using the writing process in responding to the reading of fiction, including novels, short stories, plays and poetry, and nonfiction works, including essays, newspapers, etc. The writer’s portfolio will include reflective, persuasive, and college essays, a research paper, a literary analysis, a letter of complaint, a memo, and a proposal. In addition, there will be intensive vocabulary study. (Advanced English III continues a four-year vocabulary program.) A unit of career investigation, culminating in a Career Passport, is a required segment of this course. NOTE: All students will be required to read two novels during the summer preceding the course. Additionally, each student will be required to purchase four paperback novels and a vocabulary workbook.

Advanced English Composition

This course continues to refine and expand the writing and communications skills learned in the first three years of Advanced English. Vocabulary study will be emphasized, as well as some advanced grammar skills. Writing projects will include a research paper, formal essays, and other short pieces. This course will focus on preparing students for college level English classes.

AP English Literature

AP English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

English Workshop

English workshop is designed for the student who is interested in the art of writing and language skills. This is a project based investigation into children’s literature, creative writing, journaling, research and use of technology.

English I – Survey

This course consists of a variety of topics necessary for the freshman student to proceed successfully in the English curriculum. Emphasis is placed on multicultural literature, including novels, short stories, plays, poetry, essays, and a variety of nonfiction and on sequential vocabulary study. Students will maintain writing portfolio and learn process strategies for prewriting, drafting, revising, editing, and publishing their work. A unit on career investigation is a required segment of this course. Additionally, each student will be required to purchase a vocabulary workbook.

English II – Survey

This course consists of a survey of multicultural literature. Emphasis is placed upon the study of poetry, short stories, plays, novels, and a variety of nonfiction. Students will work to improve their writing skills, often in response to literature studied. A unit on career investigation is a required segment of this course. Additionally, each student will be required to purchase a vocabulary workbook.

English III – American Literature

This course consists of a survey of American literature. It includes chronological units based upon developments in American literature and their relationship with historical events. Emphasis will be placed upon writing in response to the analysis of multicultural American fiction and nonfiction. The writer's portfolio will include a variety of writings such as persuasive, narrative, and expository pieces. A unit on career investigation is a required segment of this course. Additionally, each student will be required to purchase a vocabulary workbook.

English Composition

This course continues to refine and expand the writing and communications skills learned in the first three years of high school English. Vocabulary study will be emphasized, as well as some grammar skills. Writing projects will include a research paper, workplace writing, and other short pieces.

Journalism I

This course is designed to develop journalistic writing skills in areas such as news, feature and sports writing, editorials, reviews and opinion polls. This is an intensive writing course, emphasizing the style and structure of journalistic prose, and ultimately, the design of pages and publications using student writing. The course also includes basic graphic design skills and emphasizes the use of PageMaker desktop publishing software. Students will also be introduced to press history and press law, as well as digital photography, headline and caption writing and editing techniques.

Journalism II / III

This is an advanced journalism class that is a reinforcement of skills learned in Journalism I. Students enrolled in this class serve as senior members of the newspaper staff, assuming position of editorial leadership and responsibility. Writing, revising, critiquing, analyzing, and interpreting comprise the major segment of the course, with emphasis placed on press responsibility and the presses' position in modern society.

Mythology

This course provides an introduction to ancient Greek culture, the Greek alphabet, Greek words, the Titans, and the gods and goddesses of Mt. Olympus. Students will respond to the myths through written responses, artwork, research, and class discussions regarding the relevance of mythology to today's world. Students will also view several documentaries and films related to mythology.

Poetry in Rock Music

This course will offer a study of poetry through the lyrics of rock music. Students will analyze the poetry of the blues and its influence on rock and roll. Students will trace the development of poetry from the simple lyrics of the 50's to the folk songs and protesting of the 60's, to the rebellious poetry of Woodstock in the early 70's, to the wild lyrics of bands like the Who and Led Zeppelin, to the outrageous glam rock, heavy metal, and punk lyrics of the 80's, and finally to the grunge movement lyrics of the 90's. Students will frequently compose, publish, and share original poetry incorporating poetic devices similar to the lyrics we have studied.

Sports Literature

This course is designed to increase the student's appreciation and awareness of the influence of sports on modern society. Students will do extensive reading (mainly nonfiction) about mainstream sports in high quality books, *Sports Illustrated*, *The Cincinnati Enquirer*, and *The Cincinnati Post*. Film material about sports will also be part of this class. Students will frequently be expected to write about what they have read and to write simulated sports stories. The literature will expose students to many different social issues that can be found in sports. A 4–5 page research paper will be a course requirement.

Survey of British Literature

This course will offer a survey of British literature including selections from the Anglo-Saxon period to Romanticism. Authors will include Chaucer, Shakespeare, Milton and Swift. Selections will include fiction and non-fiction, short stories, drama, and poetry. This class is highly recommended for college bound students.

FOREIGN LANGUAGES

Course	Grade	Credit	Prerequisite
French I	9-12	1 HN	"C" or better in English
French II	9-12	1 HN	French I, "C" or better in French I
French III	10-12	1 HN	French II, "C" or better in French II
French IV	11-12	1 HN	French III, "C" or better in French III
Introduction to French I	9-12	½	None
Introduction to Spanish I	9-12	½	None
Spanish I	9-12	1 HN	"C" or better in English
Spanish II	10-12	1 HN	Spanish I, "C" or better in Spanish I
Spanish III	11-12	1 HN	Spanish II, "C" or better in Spanish II
Spanish IV	12	1 HN	Spanish III, "C" or better in Spanish III

French I

This course develops the student's communication skills through vocabulary acquisition and learning to understand grammatical structure. Students are engaged in activities in listening, speaking, reading and writing. Culture and civilization are taught in simplified lessons in the French language.

French II

In this course students continue acquiring vocabulary and developing grammatical skills while expanding the use of these skills in written and oral communication. Students are introduced to literature, while culture is integrated into the units of study. Students begin to use their skills for self-expression and creative writing in the French language. (A French-English dictionary is required).

French III

This course emphasizes the refinement of the grammatical skills learned in the first two years of French. Students focus on the development of conversational skills; enrich their reading skills through literature and the study of French civilization and culture in the French language. (A French-English dictionary is required).

French IV

In this course students broaden their knowledge of French civilization, culture, and literature. Students follow a comprehensive program of study of the origins of French civilization through the modern era. Selected literary works are examined and discussed. Class discussions center around literature, art, culture and self-expression in the French language. (A French-English dictionary is required).

Introduction to French I

This course is designed to give students an introductory experience to French I. Students will cover in one semester approximately 1/3 of the material covered in the traditional Spanish I class. Successful completion of this course will help to provide students with the skills needed to be successful in the traditional French I course.

Introduction to Spanish I

This course is designed to give students an introductory experience to Spanish I. Students will cover in one semester approximately 1/3 of the material covered in the traditional Spanish I class. Successful completion of this course will help to provide students with the skills needed to be successful in the traditional Spanish I course.

Spanish I

This course develops the student's communication skills through vocabulary acquisition and learning to understand grammatical structure. Students are engaged in activities in listening, speaking, reading and writing. Culture and civilization are taught in simplified lessons in the Spanish language.

Spanish II

In this course students continue acquiring vocabulary and developing grammatical skills while expanding the use of these skills in written and oral communication. Students are introduced to literature, while culture is integrated into the units of study. Students begin to use their skills for self-expression and creative writing in the Spanish language.

Spanish III

This course emphasizes the refinement of the grammatical skills learned in the first two years of Spanish. Students focus on the development of conversational skills; enrich their reading skills through literature and the study of Spanish civilization and culture in the Spanish language. (A Spanish-English dictionary is required).

Spanish IV

In this course students broaden their knowledge of Spanish civilization, culture, and literature. Students follow a comprehensive program of study of the origins of Spanish civilization through the modern era. Selected literary works are examined and discussed. Class discussions center around literature, art, culture and self-expression in the Spanish language. NOTE: Students interested in taking the AP exam for university level credit may request assistance from the instructor with advanced notice.

HEALTH & PHYSICAL EDUCATION

Course	Grade	Credit	Prerequisite
Advanced Physical Education	11-12	¼	P.E. / "B" or better in P.E. / TA
Athletic Management	11-12	½	P.E. / "B" or better in P.E.
Circuit & Resistive Training	10-12	¼	P.E. / "B" or better in P.E.
Health	9-10	½	None
Physical Education	9-10	½	None
Weight Training	10-12	¼	P.E. / "B" or better in P.E.

Advanced Physical Education

Advanced P.E. will include Fitness Testing (We have students who ask if they can re-test to compare their score from freshman year), Hiking (Access to Woodland Mound Park w/Frisbee golf), Golf (Access to N.R. Driving Range), Archery (Access to the range on 125) and Bowling (We take a P.E. field trip 2 times a year). Ultimate Frisbee and gator ball will be challenging as we do not have these in general P.E. because of the diversity in skill levels. Tennis, Volleyball, Basketball, Individual Sports, Swimming and Soccer are all performed in general P.E. but we could perform them at a more competitive level in Adv. P.E.

Athletic Management

The purpose of this class is to introduce students to various careers in athletic management. This includes athletic directors, parks and recreation, athletic training and physical therapy. Focus will be on the day to day responsibilities of athletic operations. Hands-on experience and extra curricular activities will require some work after school; students must be able to drive and commit to hours after the regular school day. This is an elective course for juniors and seniors only.

Circuit & Resistive Training

This course is designed for the student that is interested in continued improvement in the overall fitness of their body. Circuit and Resistive Training will be used in combination with varied workouts. Concentration will be placed on muscular strength, endurance, toning, and body fat composition.

Health

This course is developed for the purpose of having the student become more aware of his/her mental, physical, and social needs in relation to the interests and abilities of the student. Students will receive one-half credit for this semester class.

Physical Education

This course is required by all students for graduation. Usually taken during the freshman year, it is co-educational. It is also required as pre-requisite for all additional elective courses in physical education. The course consists of instruction of team and individual sports, assessment of fitness skills, instruction in swimming techniques, and promotion and development of healthy fitness habits for improvement in the quality of each student's life.

Weight Training

This elective course is offered to students who wish to improve and develop and understanding of their overall fitness and knowledge of weight training. Emphasis will be given to knowledge of methods, theory, and techniques.

INDUSTRIAL TECHNOLOGY

Course	Grade	Credit	Prerequisite
Architectural Drafting I	10-12	½	Drafting I / Drafting II / TA
Architectural Drafting II	10-12	½	Architectural Drafting I / TA
Drafting I	9-12	½	None
Drafting II	9-12	½	Drafting I / TA
Home Maintenance / Repair	10-12	½	None
Intro to Technology	9-12	½	None
TV / Radio Production	9-12	½	None
TV / Radio Production II	11-12	½	TV / Radio Production / "C" or better in TV / Radio Production
Pre-Engineering	9-12	½	Algebra I / Taking Algebra I concurrently
Woods I	9-12	½	None
Yearbook	9-12	1	TA/Recommendation from English teacher

Architectural Drafting I

Architectural Drafting gives the student an understanding of basic residential construction methods and materials. The drawings assigned are designed to increase student understanding of construction while improving drafting skills.

Architectural Drafting II

This course offers the student a basic understanding of commercial construction methods and materials. The drawings assigned are designed to increase student understanding of construction while enhancing drafting skills.

Drafting I

Drafting I is an exploratory course that introduces the student to the basic processes and techniques of the language of industry. The students learn how to represent objects by orthographic and pictorial projection.

Drafting II

This course will teach the student to read and write the language of industry. The students learn how to represent objects by orthographic and pictorial projection.

Home Maintenance / Repair

This is a beginning course on basic home repair and maintenance. This course will cover basic tool use and safety issues, basic electrical, plumbing works, wall and ceiling repair, auto maintenance and roof and siding repair. Students will participate in lab situations covering the areas needed for proper home maintenance.

Intro to Technology

An introduction to various areas of technology related to manufacturing, communication, business, medical and other current technology, and coursework to develop and improve your personal leadership and effectiveness skills for your personal and academic success.

TV / Radio Production

This course is a study of TV/radio production processes. This includes start-up, equipment and regulations.

TV / Radio Production II

This course is a continuation of TV / Radio Production I with investigations into broadcasting. This course is project based in broadcasting, internet, and other technological advances.

Pre-Engineering

This course will examine different occupational avenues and skills needed. Students will experience basic 3-D concepts and qualities of form, shape, mass, and volume.

Woods I

This course will teach the students to improve their skills with basic handtools, learn the safe and proper use of major woodworking power tools, and learn about industrial process and materials related to woodworking. Students are responsible for purchasing materials for projects in addition to class consumable materials fees.

Yearbook

Students in this course learn journalistic, marketing, and media skills to produce the "NERIH" yearbook. This production-based course requires both in class and after school time. Students who work after school or are involved in time-consuming activities are encouraged to talk to the teacher before applying. All students are required to sell advertising to help support the printing costs of the yearbook.

MATHEMATICS

Course	Grade	Credit	Prerequisite
Advanced Algebra I	9-12	1 HN	TA
Advanced Algebra II	10-12	1 HN	Advanced Algebra I / TA
Advanced Geometry	9-12	1 HN	Advanced Algebra I / Algebra I (8 th grade) / TA
Algebra I	9-12	1	Transition to Algebra / TA
Algebra II	10-12	1	Algebra I / Geometry
Algebra III	11-12	½	Algebra II
Applied Math	11-12	½	Algebra II
Calculus AP	12	1 AP	Pre-Calculus / TA
Calculus	12	1 HN	Pre-Calculus / TA
Geometry	10-12	1	Algebra I
Pre-Calculus	11-12	1 HN	Advanced Algebra II / Algebra II / TA
Statistics	11-12	½	Algebra II
Transition to Algebra	9	1	None
Trigonometry	11-12	½	Algebra II

Advanced Algebra I

This course is designed for the college bound freshman student. Specific topics include: solution of equations in one unknown and solution of simultaneous equations, the algebra of polynomials and rational expressions, algebraic proofs, functional notation and functions, solution of quadratic equations, direct and inverse variations, exponential growth, graphing, and applications. (A graphic calculator is required.)

Advanced Algebra II

This course is designed for students who have completed Adv. Algebra I and a Geometry course and who wish to continue preparation for college. Major emphasis is placed on graphical solution of simultaneous equation, radicals, roots of quadratic equations, including complex roots, inequalities and systems of inequalities, logarithms and antilogarithms, exponential equations, basic trigonometric functions, algebra of polynomials, and a wide spectrum of algebraic word problems. (A graphic calculator is required.)

Advanced Geometry

This course uses a discovery approach to the Euclidean system. Using inductive reasoning, students perform investigations that allow them to create a geometric system. Topics include: the properties of lines, segments, angles, planes, polygons, deductive reasoning and proof, applications of congruent and similar triangles, circles, and coordinate geometry. Emphasis is on the process of logical thinking and applying information in unique problems. Students will be required to purchase a compass, metric/English ruler, and protractor. (A graphic calculator is required.)

Algebra I

Students completing the course will be well versed in arithmetic operations involving all forms of number, order of operations, rounding, and unit conversions. In addition students will learn the evaluation and simplification of algebraic expressions and the solution of linear equations. Emphasis is placed on solving word problems of two or more steps.

Algebra II

This course is designed for students who have completed Algebra I and Geometry. Specific topics include: solutions of equations in one unknown and solution of simultaneous equations, the algebra of polynomials and rational expressions, algebraic proofs, functional notation and functions, solution of quadratic equations, direct and inverse variation, exponential growth, graphing and applications.

Algebra III

This semester course is for students who have successfully completed Algebra II or those who have had some difficulty in Advanced Algebra II. Algebra III will explore and further develop topics such as algebraic concepts, conic sections, series & sequences and graphical representation. Some project-centered problems will be included. This class is designed to prepare students for an entry-level college math course or provide a bridge to pre-calculus.

Applied Math

This course will build on concepts previously learned and apply these concepts to everyday life.

Calculus AP

This course is designed for the superior math student who plans to pursue a math-oriented career. Topics include: rate of change of a function, definition and application of the derivative, curve sketching, maximum and minimum problems, fundamental theorem of calculus, integration, application of the definite integral, and infinite series. Advanced placement credit requires that the Advanced Placement Exam be taken.

Calculus

This course is designed to be a bridge to college level Calculus for those students completing Pre-Calculus but not wishing to take AP Calculus. Topics include a thorough review of Pre-Calculus, limits, derivatives, max and min problems, curve sketching, related rates, and scientific and financial applications of the derivative. (A graphic calculator is required.)

Geometry

This course covers the basics of geometry. It is designed to follow an Algebra I course. Topics include: basic proofs, congruent and similar triangles, circles, basic right triangle trigonometry, and applications of each. Students will be required to purchase a compass, straightedge and protractor. (A scientific calculator is required.)

Pre-Calculus

This course is designed for the superior math student. Extensive use of a graphing calculator is required. Topics include: functions and their graphs, continuity and complex numbers, trigonometric functions and analytic trigonometry, conics, radical and logarithmic functions, matrices, solving higher order systems of equations, and graphing on the Polar Coordinate system. (A graphic calculator is required.)

Statistics

The purpose of this semester course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to data manipulations, descriptive statistics, probability distributions, and basic inferential statistics. This course will include the use of technology, projects, cooperative group problem solving and writing. This course is designed to serve as an introduction for college bound students or an alternative for students interested in a practical math class.

Transition to Algebra

This course is designed to teach basic Algebraic concepts including the real number system, order of operations, evaluation of Algebraic expressions, solving one and two-variable equations, rational numbers, linear equations, inequalities and functions, and applying Algebra to Geometry. Key elements will be taught in a step-by-step approach. Students will practice problem-solving exercises that require Algebraic thinking and analysis.

Trigonometry

This semester course includes topics traditionally taught as Trigonometry and Analytic Geometry. Topics include: trigonometric functions, graphs and inverses of trigonometric functions, trigonometric equations and identities, vectors, polar coordinates and complex numbers. This class is designed to prepare students for an entry-level college math course or provide a bridge to pre-calculus.

MUSIC / PERFORMING ARTS

Course	Grade	Credit	Prerequisite
AP Music Theory	10-12	1 AP	Entrance Exam/ TA
Band I	9-12	1	Audition
Band II	10-12	1	Audition
Band III	11-12	1	Audition
Band IV	12	1	Audition
Guitar I	9-12	½	None
Guitar II	9-12	½	Guitar I
Mixed Chorus	9	1	Audition
Popular Singers & Their Songs	10-12	½	None
Select Mixed Choir	10-12	½	Audition
Survey of 20 th Century Music	10-12	½	None
Troubadours I	10-12	1	Audition
Troubadours II	11-12	1	Audition
Troubadours III	12	1	Audition

AP Music Theory

Music Theory is the study of music and its notation. This course deals with the elements of music and how these elements relate to what we listen to. Theory should be considered a requirement for any college bound music major, students entering elementary education, or those students taking private music lessons outside the school curriculum. Students taking this yearlong class will take the AP exam for AP credit.

Band I, II, III, IV

The band can be described as a wind ensemble capable of performing wind literature of various styles. Any high school student in grades 9-12 is eligible to participate and may be accepted into membership upon completion of a successful audition. During the fall season, emphasis is placed on the marching program with performances at football games, and parades. The Concert Band performs at various concerts and assemblies and may participate in the district and state solo, ensemble, and full band competitions sponsored annually by the Ohio Music Educators Association. Students interested in Color Guard can join during the Marching season and should contact the instructor for details.

Guitar I

This class is designed to teach the basics of guitar playing and note reading. Emphasis is placed on performance of ensemble music. Students must furnish their own instrument.

Guitar II

This course is a continuation of Guitar I. Director approval is required.

Mixed Chorus

Mixed Chorus is offered to all students who successfully pass a placement audition. Students in Mixed Chorus participate in choral department productions during the year. Basic vocal production techniques are explored through a variety of choral literature.

Popular Singers & Their Songs

This course will discuss specific singers and their techniques used to produce their unique sounds. A

study of literature will also be included.

Select Mixed Choir

This course is offered to all students who successfully pass Mixed Chorus and an entrance audition. Students in this class focus on individual vocal performance and good vocal health. Basic vocal production techniques are explored through solo and small group literature.

Survey of 20th Century Music

This course will study the origins of popular music throughout the 20th century and their influences on each other and the culture of America.

Troubadours I, II, III

Troubadours is a select mixed chorus capable of performing advanced choral music of the standard and modern repertoire. Any high school student grades 10-12 who has demonstrated a serious interest in music is eligible to participate and may be accepted into membership following a successful audition and interview. The Troubadours perform locally and in the Greater Cincinnati area, and also in the district and state solo, ensemble and choral competitions sponsored annually by the OMEA.

SCIENCE

Course	Grade	Credit	Prerequisite
Advanced Biology	10	1 HN	TA
Advanced Physical Science	9	1 HN	TA
AP Biology	12	1 AP	Advanced Biology / Chemistry I
AP Chemistry	12	1 AP	Chemistry I / TA
Astronomy	11-12	½	Physical Science / Biology
Biology	10	1	None
Chemistry I	11-12	1 HN	Algebra I / TA
Contemporary Issues in Biology	11-12	½	Biology
Env. Biology I – The Earth	11-12	1 HN	Biology or Advanced Biology
Forensics	11-12	½	Biology
Geology	11-12	½	Physical Science / Biology
Human Biology	11-12	1 HN	Advanced Biology
Introduction to Chemistry	11-12	½	None
Introduction to Physics	11-12	½	Algebra I
Physical Science	9	1	None
Physics	12	1 HN	Advanced Algebra II / TA
Zoology	11-12	½ HN	Biology / TA

Advanced Biology

This course will cover the same topics as Biology but in much greater detail – principles of biology, genetics, cell structure and function, classification, life functions of organisms, and ecology and conservation. Admission into this course will be based on performance in ninth grade Physical Science or Advanced Physical Science and teacher approval. This course will fulfill one science credit for graduation.

Advanced Physical Science

This course will cover the same topics as Physical Science but in much greater depth – chemistry, physics and earth and space science. Admission into the advanced science course will be based on standardized test scores, achievement in middle school science classes, and teacher recommendations. This course will fulfill one science credit for graduation.

AP Biology

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The AP Biology course is designed for students who have successfully completed high school biology and high school chemistry. Successful completion of Botany/Zoology and Human Biology course is recommended for successful performance on the test. AP credit will be awarded only if the Advanced Placement Test is taken.

AP Chemistry

This course introduces organic chemistry and basic principles of molecular geometry. It provides an in-depth study of energy in chemical reactions reaction rates and equilibrium. College-bound students planning a major in science, pre-med, nursing, or liberal arts are encouraged to take this course. Successful completion of Chemistry I. AP credit will be awarded only if the Advanced Placement Test is taken.

Astronomy

Students will study basic concepts of astronomy. Topics in this course will include, but not be limited to, planets and their satellites, relationship among objects in the solar system, and human efforts to explore the solar system.

Biology

This course or Advanced Biology is required for all sophomores but may also be taken by juniors or seniors that still need a life science credit. This course will introduce students to the basic principles of biology, genetics, cell structure and function, classification, life functions of organisms, and ecology and conservation.

Chemistry I

This class is an introduction to the principles of chemistry and to the chemistry laboratory. Students will study the properties of matter and the changes that occur in the composition of matter. Both laboratory skills and problem solving skills will be developed.

Contemporary Issues in Biology

This course will investigate current issues in biology including world issues, research and development, environmental concerns and natural cycles. Some lab techniques will be utilized to analyze and collect data. Current events will be a focus of this course.

Environmental Biology I

This course is designed to introduce students to the basic concepts of ecology and conservation. The course content deals with the study of ecosystems, living and non-living factors in the environment, changes that take place (succession), populations, pollution, and use and conservation of natural resources and wildlife.

Forensics

In criminal cases, forensic scientists are often involved in the search for and examination of physical traces that might be useful for establishing or excluding an association between someone suspected of committing a crime and the scene of the crime. Many different sciences are used during the forensic science process such as physics, chemistry, biology, genetics and criminal justice to process crime scene evidence. This course will use lab techniques from these sciences to process crime scene evidence and solve a variety of cases.

Geology

Students will study basic concepts of geology. Topics in this course will include, but not be limited to, the impact of natural changes (i.e., earthquakes, volcanic eruptions, and erosion), earth cycles, such as the water cycle, rock cycle, carbon cycle, weather, plate tectonics, and fossil fuel formation.

Human Biology

This course introduces human anatomy and physiology. It is designed to provide accurate, up-to-date information on the structure and function of the human body. It is especially designed for students who may be pursuing careers in allied health fields.

Introduction to Chemistry

This is an applied science course for juniors and seniors who want a course in a physical science but are not prepared to take Chemistry I. Topics covered include an introduction to formulas and equations, chemistry of metals, chemistry of everyday materials, and polymer chemistry.

Introduction to Physics

This is an applied science course for juniors and seniors who want a course in a physical science but are not prepared to take Physics. Topics covered include an introduction to linear and projectile motion, energy, circular motion, mechanics, sound and light, thermodynamics, and electricity and magnetism.

Physical Science

This course or Advanced Physical Science is required for all incoming freshmen and will fulfill one science credit for graduation. Students will survey basic concepts in chemistry, physics, and earth and space science.

Physics

This course will be an overview of modern physics covering the topics of mechanics, heat, light, sound, electricity, magnetism and nuclear physics. This course requires grade-level reading and a strong background in mathematics.

Zoology

This course is an introduction to zoology, the study of animals. Basic principles of animal science, including anatomy, physiology, taxonomy, genetics and dissection, will be covered. Comparative anatomy will be a focus of this course.

SOCIAL STUDIES

Course	Grade	Credit	Prerequisite
Advanced History I	9	1 HN	TA
Advanced History II	10	1 HN	Advanced History I / TA
American Government	12	1	None
American History I	9	1	None
American History II	10	1	American History I
AP Government	12	1 AP	Western Civilization / AP Human Geography / TA
AP Human Geography	11-12	1 AP	Western Civilization / TA
Current Events	9-12	½	None
Introduction to the Law	11-12	½	None
Psychology	11-12	½ HN	None
Western Civilization	11-12	1 HN	TA

AP Human Geography

This course is designed to prepare students to take the AP Geography test. Emphasis will be placed on writing and research skills as well as developing a thorough understanding of the National Geography Standards. Students will be introduced to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the Earth's surface. Students completing his course should be able to: *Use and think about maps and spatial data, *understand and interpret the implications of relationships between elements of place, *recognize and interpret the relationships among patterns and processes, *define regions and evaluate the regionalization process and *characterize and analyze changing interconnections among places.

Advanced History I

This course will cover the major historical events and themes from 1865-1920. Emphasis will be placed on Post-Reconstruction, Industrial Revolution, Immigration & Urbanization, Westward Expansion, Progressivism, Imperialism, and World War I. This course will include more in-depth research and writing.

Advanced History II

This course is continuation of American History I and will examine the American experience from 1920 to the present. Emphasis will be placed on the world wars, containment of Communism, civil rights movement, collapse of Communism, rise of European democracies, and current events.

Topics will include: Geography (Its Nature and Perspectives), Population, Cultural Patterns and Processes, Political Organization of Space, agricultural and Rural Land Use, Industrialization and Economic Development and Cities and Urban Land Use. This course will include more in-depth research and writing.

American Government

This course is required of all graduating seniors. The course is designed to develop the knowledge and skills necessary for competent citizenship in a complex participatory democracy. The structures and functions of the three levels of government will also be examined. Also major emphasis will be placed on understanding the basic rights, freedom, and responsibilities American citizens have today and American's role in the world community. Completion of 20 hours of Community Service is required. If a student does not obtain the 20 hours, they will only be able to earn a D in this course.

American History I

This course will cover the major historical events and themes from 1865-1920. Emphasis will be placed on Post-Reconstruction, Industrial Revolution, Immigration & Urbanization, Westward Expansion, Progressivism, Imperialism, and World War I.

American History II

This course is continuation of American History I and will examine the American experience from 1920 to the present. Emphasis will be placed on the world wars, containment of Communism, civil rights movement, collapse of Communism, rise of European democracies, and current events.

Topics will include: Geography (Its Nature and Perspectives), Population, Cultural Patterns and Processes, Political Organization of Space, agricultural and Rural Land Use, Industrialization and Economic Development and Cities and Urban Land Use.

AP Government

AP United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics.

Current Events

This course will focus on contemporary issues and concerns at the local, state, national, and international level. Students will have an active role in determining specific topics. Students will be expected to keep up with current events and to take an active part in daily discussions.

Introduction to the Law

This elective course is designed to introduce students to various aspects of the law. Through the textbook, research, class discussion, debates, simulations and mock trials, students will investigate the role that the law plays in American society. Mock Trial will be a related activity of the course.

Psychology

This course is designed to be a general introduction to the subject of psychology. Psychology is the scientific study of behavior; therefore, the course will be science oriented and will, when possible, utilize the scientific method. Emphasis will be placed on nomenclature, concepts, and past and present theories of psychological development. Major topics to be covered are introduction, intellectual development, learning, theories of development, sensation and perception, statistics, social psychology, and parapsychology.

Western Civilization

This elective course will be for juniors and seniors. The course will begin with pre-history and will continue through the rise and development of modern Western governments. Emphasis will be placed on ideas and experiences that have shaped the Western world. This course is strongly recommended for college-bound students.

GRANT CAREER CENTER

Course	Grade	Credit
Allied Health Technology	11-12	2.5 HN
Auto Collision	11-12	5.5
Auto Service Technology	11-12	5.5
Business and Finance	11-12	5.5
Culinary Careers	11-12	5.5
Cooperative Business Education	12	5.5
Cosmetology	11-12	5.5
Engineering Design	11-12	2.5 HN
Horticulture Careers	11-12	5.5
Medical Information Tech.	11-12	5.5
Metal Fabricating Tech.	11-12	5.5
Teacher Academy	12	2.5 HN

Allied Health Technology

This newly designed program follows a Tech Prep format where students attend Grant Career Center for a half day of technical training and attend a half day at their home school for college prep academics. This program will help you develop technical and academic skills necessary for the complex technical health areas. This challenging college prep program, will prepare you to enter the varied fields of diagnostic testing, therapies or medical care giving. This program will allow you to enter the workforce as a health care worker or give you the option of pursuing an associate degree in one of the technical health areas to develop a lifelong career. Advanced standing will assist you in the transfer into the second phase of training at Cincinnati State College or the University of Cincinnati-Raymond Walters Campus. Prerequisites for the Allied Health program include: completion of Biology and a second science, 93% or better attendance rate, junior standing with no academic deficiencies, a 2.5 GPA or higher, passage of all parts of the ninth grade proficiency test.

Auto Collision

This ASE Certified program is an excellent choice for artistic people who are particular about details. Students receive instruction on the latest technology for analyzing and repairing modern vehicles. Students will gain experience using modern equipment and repair techniques for automotive body and frames. Students leave the program with such skills as mixing paint and primers, unibody construction, welding techniques, sheet metal repair, and analysis and repair of suspension, brake, and restraint systems. Students are prepared to enter the work force as an auto body repair technician, spray painter, lot technician or an auto reconditioner/restorer.

Auto Service Technology

This ASE Certified program will prepare you to enter the high tech career field of auto repair. This highly computerized field demands a student who is interested in technology and likes problem solving. This program operates in conjunction with the General Motors Auto YES program. Students will have the opportunity to spend time in area dealership groups and work with a mentor while completing their vocational training if they maintain the required grades and attendance. Jobs available at the completion of this program are auto technician, service manager, alignment technician, and brake specialist.

Carpentry

To be successful in the Carpentry field, you should have an eye for detail, a good understanding of math and measurements and be able to visualize how things will look from reading of the plans. Skills that you will gain from the Carpentry program are wood framing construction, interior and exterior finishing and trim installation, cabinet installation, and equipment care and maintenance. Seniors students take the skills that they have learned and build a project at an off campus job-site. Some jobs that you will be prepared for upon completion of the program are carpenter apprentice, carpenter, cabinet designer and builder, building inspector, construction worker, and supply house attendant.

Cooperative Business Education

In a program designed for seniors only, the Marketing Management program students the opportunity to attend school for half a day while working and earning money in the other half. Students learn sales and marketing techniques and apply those in the workplace. Students gain experience in marketing and sales principles, math, merchandising and entrepreneurship. At the completion of the program, students will be able to continue their careers in sales and merchandising, fashion and sales coordination, specialty goods and advertising.

Culinary Careers

In this program, students learn the basics of food preparation and handling. Class time is spent on nutrition, menu planning, sanitation and safe food handling techniques. In the lab setting, students rotate through job stations where they gain experience in all areas of kitchen and restaurant operation. Students learn the service techniques needed to run and manage a food service establishment. Upon completion of this program, you will be able to obtain a position as an assistant chef, baker, caterer, dietitian aid, line or prep cook, host or waitress.

Cosmetology

This program requires a strong background in science and excellent communication skills. Students follow a curriculum set by the State Board of Cosmetology that prepares you to take the State Board exam at the completion of your program. Students learn the essentials of hair care, styling and coloring, facial, skin and scalp care techniques, nail care, styling and manicure procedures as well as sanitation, sterilization and bacteriology. You will be prepared to enter the cosmetology profession as a hair styling, nail technician, make-up technician, manicurist or platform artist.

Engineering Design

This newly designed program follows a Tech Prep format where students attend Grant Career Center for a half day of technical training and attend a half day at their home school for college prep academics. This allows the students to develop the necessary technical and academic skills to communicate engineering and architectural ideas using Computer Aided Drafting software on state-of-the-art equipment. This advanced study program will prepare the student to enter the field of civil, architectural, or mechanical engineering technology. Students will enter the work force or continue their education with transfer credits to area colleges that participate in this "Tech Prep" program, especially Clermont College. Students will be able to produce detailed plans and drawings for machinery, equipment structures, perform architectural layout and drafting, and operate a CAD station. Prerequisites for the Tech Prep Engineering Design program include: completion of ninth grade algebra with a C or better grade, 93% or better attendance rate, junior standing with no academic deficiencies, a 2.5 GPA or higher, and passage of all parts of the ninth grade proficiency test.

Horticulture Careers

In this class, you will learn the basic of soil science, plant physiology and ornamental horticulture. In floriculture you will learn how to create floral arrangements, care for foliage plants and maintain greenhouse crops. The landscaping option will prepare you to install and maintain landscapes as well as operate a commercial greenhouse. Students are prepared for a diverse group of careers such as florist, landscape installer, landscape maintenance, greenhouse grower, plantscaping technician, garden center

worker and wholesale product representative.

Medical Information Technology

This program is designed to help students gain training in the growing field of medical information technology. Database management to track doctor and patient information will become more important in this expanding field. Medical information technologists with the ability to track errors on insurance claims and prevent duplication of diagnostic testing will be in demand by a variety of medical facilities. Skills covered in this program in scheduling patients, processing patient's records, operating a computer, transcription, handling financial forms, coding procedures and communication. Potential employment opportunities for students who complete this program include: Administrative medical assistant, medical secretary, insurance billing clerk, insurance coder, medical record technician, pre-admitting coordinators, receptionist, typing clerk, transcriptionist, and file clerk. Prerequisites for this course are a 2.0 GPA on a non-weighted scale, 90% attendance, and junior standing.

Metal Fabricating Technology

If you thing you would like to try MIG, TIG, or ARC welding, maybe you would like to try Metal Fabrication Technology at Grant. This program incorporates "hands-on" welding experiences with technical instruction. This program is an opportunity for highly qualified students to enter a structured placement and learning experience with area employers. Students will gain skills in Arc, MIG and TIG welding as well as basic blueprint reading and the operation and repair of equipment, machinery and metal fabrication. Jobs that are available to students who complete the program are pipe fitter, sheet metal worker, ironworker, boilermaker, welder or metal fabricator.

Teacher Academy

This program will be senior students only who plan to pursue a college degree in education and a career in a teacher field. The program will give students a background in the principles of education, and field experience in area schools. Students in this program will have a head start on other students entering college programs for the teaching profession. Planned coordination with area colleges and universities will allow for advanced credit for qualifying coursework. Students will also be active members of the Future Educators of America and participate in many learning activities.

EXTRA-CURRICULAR ACTIVITIES

New Richmond High School takes pride in offering something for everyone in the way of extra-curricular activities. While many activities such as vocal/instrumental music and the school newspaper are a part of the curricular program, those that follow are offered as compliments to the curriculum. All students are encouraged to participate in the activity of their choice. All such participation is listed on the student's high school record.

Academic / Civic / Miscellaneous

Academic Team

The Academic Team competes against league schools. Membership is open to all students in grades 9-12 and matches are held during the winter sports season.

Drama Production / Thespian Society

An integral and essential part of the Fine Arts offering, these productions offer an opportunity for students to participate in the theater world as actors, actresses, dancers, singers, technicians, ushers, student directors, and instrumentalists. Membership in the Thespian Society is based upon participation in the various productions.

Hi-Y

A student service organization with emphasis on citizenship and community service

National Honor Society

Selected by a committee of staff members on the basis of scholarship (including a GPA of 3.5 or higher), leadership, character, and service.

Office Aides

Helping with office functions in the general, guidance, athletic offices and the library.

Resource Center Aide

The Resource Center uses students to aid in the smooth operation of the Center. Students are required to file cards, check-out books, work with audio-visual materials, deliver equipment to the classroom, file magazines, run errands, and aid the librarian in any way necessary. Interested students must have the approval of the librarian.

Science Club

A club comprised of students interested in taking an active role in county-wide Science Challenge and various community projects such as Riverfront Clean-Up.

Stage Crew

A select group of students who are trained to operate the lighting, sound, and other technical equipment for the high school theater. These students are an integral part of all events taking place in the theater throughout the school year.

Student Council

Student government consisting of elected officers and class representatives.

Students Against Destructive Decisions (SADD)

Affiliated with state and national S.A.D.D. organizations, this group deals primarily with making students and public aware of the tragedy of driving while under the influence of alcohol or other mind altering drugs.

Yearbook Staff

Responsible for the annual publication of the NERIHI.

Athletics

Students interested in participating in sports or sports related activities have a wide variety from which to choose:

	Varsity	Jr. Varsity	Freshmen
Athletic Aides*	✓	✓	✓
Baseball	✓	✓	
Basketball*	✓	✓	✓
Cheerleaders	✓	✓	
Cross Country*	✓		
Football	✓	✓	✓
Golf	✓		
Soccer*	✓	✓	
Softball	✓	✓	
Swimming*	✓		
Tennis*	✓		
Track*	✓		
Volleyball	✓	✓	
Wrestling	✓	✓	

** offered for both boys and girls*