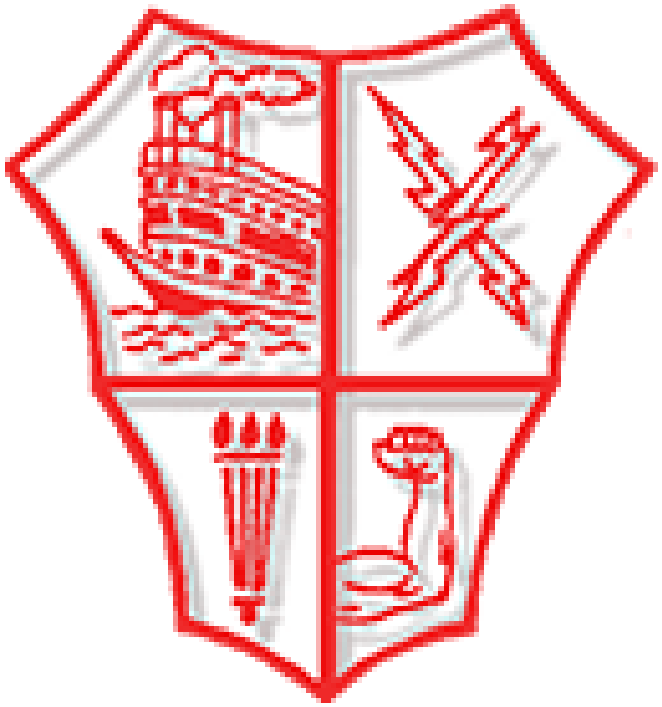
NEW RICHMOND HIGH SCHOOL



REGISTRATION HANDBOOK

2024 - 2025

This registration handbook has been prepared as a resource for parents and students for planning an academic high school program. As you make these important decisions, you should consider the student's needs, interests, and career aspirations. School 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 School Counselors for 2024 - 2025 school year
Mrs. Carol Ann Coulter, ext. 10801, coulter_c@nrschools.org - Grades 11 & 12
Mrs. Shelby Adkisson, ext. 10800, adkisson_s@nrschools.org - Grades 9 & 10

NRHS Guidance Secretary
Mrs. Julie Fetchak, ext. 10802, fetchak_j@nrschools.org

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GUIDANCE

Academic Eligibility

All students must be officially enrolled in the New Richmond Exempted Village School District per district and OHSAA policies and procedures.

The New Richmond Board of Education has adopted the following:

- Students in grades 9-12: To be eligible, a student-athlete must have received passing grades in a minimum of five one-credit courses, or the equivalent, in the immediately preceding grading period (Note: Students taking College Credit Plus courses must comply with these standards along with those participating via state law that permits home educated, non-public, community and STEM school students to participate at public schools in the district of residence of the parents).
- Students in grades 7-8: To be eligible, a student-athlete must have received passing grades in a minimum of five subjects in which enrolled the immediately preceding grading period. Students who are participating via state law that permits home educated, non-public, community and STEM school students to participate at public schools in the district of residence of the parents must also comply).
- For eligibility, summer school grades shall not be used to substitute for failing grades received in the final grading period of the regular school year or for lack of enough courses taken in the preceding grading period.
- Please note: Semester average and yearly average have no effect on eligibility.

If a student is academically ineligible, he/she must attend two hours of study tables per week in order to participate in a workout or practice that following week. In the case of summer practices and workouts, study tables are excused until the first day of school. Under no circumstances can an ineligible athlete participate in a game or contest.

NOTE: “Grading period” is defined as a 9-week period.

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 later on in the handbook 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.

College Credit Plus

Eligible students in high schools across the state of Ohio may participate in college credit plus at the college, technical college, and university level. To qualify, students must meet enrollment requirements set by the respective college. In most cases, honors credit will be awarded for these classes. The classes you may select are a function of both the classes required by NRHS for your grade level and the classes required by the partnering college/university for the major you plan to pursue after high school. You must work with your guidance counselor to determine the former and refer to the appropriate college/university curriculum guide to determine the latter.

The College Credit Plus program requires high schools to publish both 15 and 30 credit hour pathways, to assist students in identifying college courses they can enroll in based upon a particular major or academic area of interest. Students are not required to follow either pathway and may earn more than 30 credit hours or less than 15 credit hours. NRHS has established the following 2 sample pathways for your use:

15- Hour Pathway:

ENGL1001 English Composition (EC)	3 semester hours
INTR 1010 Introduction to the Liberal Arts	3 semester hours
Any Statistics or college-level math	3 semester hours
History (HP)	3 semester hours
Foreign Language (DC)	3 – 5 semester hours
Credit Total: 15 - 17 semester hours	

30 – Hour Pathway:

ENGL1001 English Composition (EC)	3 semester hours
INTR 1010 Introduction to the Liberal Arts	3 semester hours
Any Statistics or college-level math	3 semester hours
Any Quantitative Reasoning class	3 semester hours
History (HP)	3 semester hours
Historical Perspective (HP)	3 semester hours
Foreign Language (DC)	3 - 5 semester hours
Foreign Language (DC)	3 - 5 semester hours
Any Humanities or Fine Arts class	3 semester hours
Any Elective	3 semester hours
Credit Total: 30 - 34 semester hours	

NRHS will provide information about the College Credit Plus program by March 1. Participation in this orientation program is required. A student and his/her parents shall inform the high school principal in writing by April 1 of the student's intent to participate in the College Credit Plus 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).

College Visitation and Job Shadowing

Any student who has a definite appointment with a college admissions office or a job site may be granted up to three days each year 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 missed work. 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.

Community Service

Community Service is intended to encourage students to be active and engaged members of their communities and to address important community issues. The Board of Education requires a minimum of 20 hours of unpaid community service to be performed by students during their 9th, 10th, 11th, and 12th grade years.

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, students must request a schedule change within the first 4 days of the course by signing up at the guidance office. All scheduling changes will occur before the 10th school day from the beginning of the course REQUIRED COURSES MAY NOT BE DROPPED OR POSTPONED. Any course changes that occur after the 10th day must be initiated by the principal/counselor.

Credit Flexibility

Credit Flexibility is designed to broaden the scope of curricular options available to students and as such, aspects of learning can be customized around a student's interests and needs. Students may earn credits by:

- Completing coursework,
- Testing out of or demonstrating mastery of course content, or
- Pursuing one or more educational options (e.g. online/distance learning, dual credit, educational travel, independent study, internships, music, art, individualized projects).

Students interested in exploring Credit Flex should obtain a credit flex application and handbook from the guidance department.

Diploma / Academic and Career Tech Honors Diploma

Ohio high school students have the opportunity to earn either a regular high school diploma or an Academic or Career Tech 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 proficiency on the End of Course tests in math, English language arts, science and social studies.

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Academic Honors Diploma

The student must meet the same requirements established for the regular diploma plus the criteria for honors provided below. Any student in the class of 2023, and including students in the class of 2024 and 2025, may use the new honors diploma options, but may also use the previous requirements below to earn an honors diploma.
The student who completes the college preparatory curriculum in high school shall meet all but one of the following criteria:

1. Four units of mathematics that include Algebra I/Math 9, Geometry/Math 10, Algebra II/Math 11 or equivalent, and another higher-level course or a four-year sequence of courses that contain equivalent content
2. Four units of science that include 2 units of advanced science
3. Four units of social studies
4. Either three units of one foreign language or two units each of two foreign languages
5. Maintain an overall high school unweighted grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year
6. One unit in fine arts
7. Obtain a composite score of 27 on the ACT tests or a 1280 on the Scholastic Assessment Tests SAT

New requirements for the Academic Honors Diploma for the class of 2026 and beyond (the class of 2023-2025 may also use these requirements). Students must meet general graduation requirements and complete the requirements outlined below to qualify for honors diplomas. Students may replace one requirement of either 4, 5 or 6 with a “Student Strength Demonstration.” Students must meet **all but one** of the following criteria:

1. Four units of mathematics. Fourth math must be greater than Algebra II
2. Four units of science. One additional unit of advanced science
3. Four units of social studies
4. Either three units of one foreign language or two units each of two foreign languages
5. Maintain an overall high school unweighted grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year
6. Obtain a composite score of 27 on the ACT tests or a 1280 on the Scholastic Assessment Tests SAT
7. Earn two additional diploma seals, not including Honors Diploma Seal
8. Experiential Learning: Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

*Students can use OMJ Readiness Seal in 2 additional seal requirements if it is not used in Experiential Learning.

Student Strength Demonstration Replacement
Students can use the Student Strength Demonstration to replace one of either the **ACT/SAT, GPA *or* World Language** requirement for any Honors Diploma. The Student Strength Demonstration options are listed below.

OPTIONS:

College Credit Plus: 12 total College Credit Plus credit hours

Advanced Placement: three courses with score of 3 or higher on AP tests

Career-Technical Assurance Guide (CTAG): 12 total credits

Apprenticeship/Pre-Apprenticeship: Completion or Evidence of Acceptance if required to be older than 18

WorkKeys: Score of 6 or higher on all tests (*void for Career-Tech Honors Diploma)

Armed Services Vocational Battery: Score of 50 or above on the ASVAB

Work-Based Learning: 250 total hours of work-based learning

Career Tech Honors Diploma

Any student in the class of 2023, and including students in the class of 2024 and 2025, may use the new care honors diploma options, but may also use the previous requirements below to earn an honors diploma. Students must meet ***all but one*** of the following criteria, unless it is a minimum graduation requirement. Students must meet general graduation requirements to qualify for honors diplomas.

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

- Four units of mathematics that include Algebra I/Math 9, Geometry/Math 10, Algebra II/Math 11 or equivalent and another higher-level course or a four-year sequence of courses that contain equivalent content
- Four units of science that include two units of advanced science
- Four units of social studies
- Two units of one world language
- Four units of Career-Technical courses.
- Maintain an overall high school unweighted grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year
- Complete a field experience and document the experience in a portfolio specific to the student's area of focus
- Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus
- Obtain a composite score of 27 on the ACT tests, 1280 on the Scholastic Assessment Tests SAT, or a 6 or higher on Reading for Information and a 6 or higher on Applied Mathematics
- Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the equivalent

New requirements for the Career Tech Honors Diploma for the class of 2026 and beyond (the class of 2023-2025 may also use these requirements). Students must meet general graduation requirements and complete the requirements outlined below to qualify for honors diplomas. Students may replace one requirement of either 4, 5 or 6 with a "**Student Strength Demonstration**." Students must meet **all but one** of the following criteria.

1. Four units of mathematics. Fourth math must be greater than Algebra II
2. Four units of career tech courses
3. Earned a cumulative score of proficient or higher on the technical assessments aligned to their program
4. Two units of one world language
5. Maintain an overall high school unweighted grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year
6. Obtain a composite score of 27 on the ACT tests, 1280 on the Scholastic Assessment Tests SAT, or earn a score of six or higher on all three sections of the WorkKeys assessment.
7. Meet requirements to earn the Industry Recognized Credential Seal or Technology Seal
8. Experiential Learning - Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning

Student Strength Demonstration Replacement

Students can use the Student Strength Demonstration to replace one of either the **ACT/SAT, GPA *or* World Language** requirement for any Honors Diploma. The Student Strength Demonstration options are listed below. The same options exist for each diploma* but, where relevant, should reflect coursework or experiences relevant to the theme of the Diploma. For example, a student earning the Career-Tech Honors Diploma and using the pre-apprenticeship option to replace another requirement for the diploma should have a pre-apprenticeship relevant to their career-tech pathway.

OPTIONS:

College Credit Plus: 12 total College Credit Plus credit hours

Advanced Placement: Three courses with score of 3 or higher on AP tests

Career-Technical Assurance Guide (CTAG): Eligible to earn 12 total articulated credits

Apprenticeship/Pre-Apprenticeship: Completion or Evidence of Acceptance if required to be older than 18

WorkKeys: Score of 6 or higher on all tests (void for Career-Tech Honors Diploma)

Armed Services Vocational Battery: Score of 50

Work-Based Learning: 250 hours

Early Completion/Graduation

New Richmond High School is a four-year institution, and as such, graduation in less than four years is discouraged for most students. 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. Students who choose early completion/graduation will not be academically eligible to participate in any interscholastic activity during the winter or spring quarters.

Any student, however, who desires to partake in early completion/graduation 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. Administrators, counselors, and parents will make final determination.
3. If the student intends to participate in the graduation commencement ceremony, it is the student's responsibility to inform the principal of such and make the necessary arrangements. Students must complete any special requirements set by the principal in order to participate in the graduation commencement 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.)

Students graduating early forfeit their right to be the valedictorian or salutatorian of the class.

Fees

Families are required to pay $25 in school fees per student to help offset the cost of technology and instructional materials. These fees should be paid at the beginning of each school year. Families can apply for a fee waiver using the form on our district website. While filling out the district form, please make sure you complete Section 5. School fees can be paid in the main office or using the school PAYSchools system on our district website. Fees that are unpaid will be accounted for in the student's Progressbook account. All Fees are due by September 1st.

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, CCP, and advanced placement classes receive additional weight:

Regular Classes	HONORS CCP & AP Classes
A+ = 4.0	A+ = 4.5
A = 4.0	A = 4.5
A- = 3.7	A- = 4.2
B+ = 3.3	B+ = 3.8
B = 3.0	B = 3.5
B- = 2.7	B- = 3.2
C+ = 2.3	C+ = 2.8
C = 2.0	C = 2.5
C- = 1.7	C- = 2.2
D+ = 1.3	D+ = 1.3
D = 1.0	D = 1.0
D- = 0.7	D- = 0.7
F = 0	F = 0

Grades of D, D+ or D- will not be weighted.

Class rank is established by ranking the students numerically based on their GPA. 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.

Grading System

Percentage grades are used by a teacher for computing final course grades and the following scale applies:

A+ = 100 - 97	B+ = 89 - 87	C+ = 79 - 77	D+ = 69 - 67	F = 59
A = 96 - 93	B = 86 - 83	C = 76 - 73	D = 66 - 63	
A- = 92 - 90	B- = 82 - 80	C- = 72 - 70	D- = 62 - 60	

Course grades are computed by averaging two nine-week percentage grades and the semester examination percentage 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, however, passing two of the three grading periods does not automatically make the final grade a passing mark. Both letter grades and percentages are recorded on report cards. Only the letter grade will be recorded on the transcript. Interim reports will be distributed at the end of 4 1/2 weeks and 13 1/2 weeks each semester.

If a student is awarded extra credit and their nine-week percentage grade exceeds 100%, then the grade for that period will be reduced to 100% in order to meet our grading system. If a student receives a grade that is lower than 50%, that student's grade will be raised to 50% only during 1st quarter and 3rd quarter; however, the 2nd quarter, 4th quarter and semester exam grades will not be adjusted.

Example of final grade calculation:

First 9 Weeks		Second 9 Weeks		Exam		FINAL GRADE
87% (B+)		80% (B-)		96% (A)		
87 + 87 (2/5)	+	80 + 80 (2/5)	+	96 (1/5)	= 430 ÷ 5	= 86% (B)

***In the event that semester exams are not given on a school-wide basis, each quarter grade will count as 50% of the semester average.**

Graduation Recognition

Graduating seniors with a weighted GPA of 4.0 or higher will be recognized at graduation with the designation, “Summa Cum Laude.” Graduating seniors with a weighted GPA between 3.8 – 3.9999 will be recognized at graduation with the designation, “Magna Cum Laude.” Graduating seniors with a weighted GPA between 3.5 – 3.7999 will be recognized at graduation with the designation, “Cum Laude.”

Graduation Requirements

The following courses are the minimum requirements for all students:

Subject Areas	**Required Credits**
Modern World History	1
American Government	1
American History	1
English	4
Mathematics	4
Science	3
Health	½
Physical Education	½
Fine Arts	1
Financial Literacy	½
Electives	3½
TOTAL CREDITS REQUIRED	**20**

1. Mathematics units must include 1 unit of Algebra II/Math 11 or the equivalent of Algebra II/Math 11.
2. Students who participate in interscholastic athletics or cheerleading for two full seasons or who participate in two full years of marching band are exempt from the physical education requirement. Students must take another course of at least 60 contact hours.
3. Science units must include 1 unit of physical sciences, 1 unit of life sciences, and 1 unit of advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; astronomy, physical geology, or other earth or space science.
4. Elective units must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science, or social studies courses not otherwise required.
5. All students must receive instruction in economics and financial literacy during grades 9-12.
6. Students following a career-technical pathway are exempted from the fine arts requirement.
7. Students must complete a minimum of 20 community service hours during their 9th, 10th, 11th, and 12th grade years.

To earn a high school diploma in Ohio, you must complete the courses and requirements listed above and **then demonstrate competency and readiness as listed below.**

Demonstrating Competency - Students will demonstrate competency in the foundational areas of English language arts and mathematics or through alternative demonstrations, which include College Credit Plus, career-focused activities (12 point industry credentialing, proficient score on WebExams, or a pre-apprenticeship or acceptance into an approved apprenticeship program) or military enlistment.

Demonstrating Readiness - Students will demonstrate readiness for their post-high school paths by earning two seals that allow them to demonstrate important foundational and well-rounded academic and technical knowledge, professional skills, as well as develop key social and emotional competencies and leadership and reasoning skills.
At least one of the two seals must be Ohio-designed:

- OhioMeansJobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- College-Ready Seal (Ohio)
- Military Enlistment Seal (Ohio)
- Citizenship Seal (Ohio)
- Science Seal (Ohio)
- Honors Diploma Seal (Ohio)
- Seal of Biliteracy (Ohio)
- Technology Seal (Ohio)
- Community Service Seal (Local – defined below)
- Fine and Performing Arts Seal (Local – defined below)
- Student Engagement Seal (Local – defined below)

Community Service Seal

A School Board program of student recognition honoring those who have given of themselves for the improvement of the community.. Community Service Seal shall be affixed to the student's diploma if the following criteria are met.

- Fifty (50) hours of community service is performed and recorded by the student and then verified during their high school career. These fifty hours should include the twenty hours completed for graduation.
- A written statement is made upon the completion of 50 hours. This statement summarizes the work that was done, what was learned from the service performed, and why you believe this service sets you apart to deserve a Community Service Seal.
- No more than 20 hours of service can come from a school-based organization/event. Ex. Community Basketball Camp, Food Drive, Egg Drop, etc.
- A supervising adult will verify all activities using an official "Community Service Log."

Fine and Performing Arts Seal

Students must complete a minimum of four credits in the following Fine Arts course offerings at NRHS:

- Art Foundations
- Crafts
- Drawing and Painting I
- Drawing and Painting II
- Ceramics I
- Ceramics II
- Photography
- Advanced Art Portfolio
- Band I 9-12
- Beginning Music Theory
- Advanced Music Theory Concert Choir
- Guitar I
- Guitar II
- Music in Film
- Percussion
- Adv. Percussion
- Percussion Popular Singers & Their Songs
- Survey of 20th Century Music
- Troubadours I
- Troubadours II
- Troubadours III
- International Thespian Society (Credit equivalent for Drama participation)

Student Engagement Seal

Student recognition honoring those who have actively participated in school sponsored sports and/or clubs. **Student Engagement seals will be earned based on participation in the following categories. The seal will be earned upon the completion of 8 accumulated and verified points.**

Student Clubs (.5 point per year)

- Kind Club
- Spanish Club
- SADD
- Chemistry Club
- Ecology Club
- French Club

Clubs (1 point per year)

Student Council
NHS

Athletics (1 point per year)

- Girls basketball
- Boys basketball
- Football Cheerleading
- Basketball Cheerleading
- Wrestling
- Academic Team
- Swimming
- Bowling
- Football
- Volleyball
- Tennis
- Golf
- Cross Country
- Baseball
- Softball
- Track

****An additional point will be awarded to those holding captain or president positions in each area.**

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.

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 Exempted Village School District. Graduation requirements for Grant students (in addition to completing a Career Passport and successfully completion of the vocational program) are 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.

Seven units of credit or more can be earned each year at the Career Center. The breakdown of credits would be three for shop or laboratory experience, including related class, and four for academic subjects. 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), and earn a minimum of 12 points by receiving a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and earn the required score on WorkKeys, a work-readiness test.

English	4 credits
Math	4 credits (including 1 unit of Algebra II)
Social Studies	3 credits (including 1 unit of American Government and 1 unit of American History)
Science	3 credits (1 unit of physical sciences, 1 unit of life sciences, and 1 unit of adv. study)
Health / P.E.	1 credit (½ credit each)

Students attending the Career Center are eligible to participate in sports and other extracurricular 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 Science
Auto Service Technology
Biotechnology (Honors)
Cosmetology
Criminal Justice
Culinary Arts/Hospitality
Early Childhood Education
Engineering Design (Honors)
Industrial Academy (Construction)
Industrial Academy (Metal
Fabrication) Informational Technology
Large Animal Science
Veterinary Science
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. Report 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 courses/programs offered and plan their courses of study appropriately. Students must realize that earning a diploma should be the result of a carefully planned path of class work that will provide the desired preparation for their future educational/vocational goals. Students should consider the reason for their class choices prior to making random course selections. Students should consult with teachers and their counselor to assist with the decision-making process.

Career development programs offered at our affiliate Grant Career Center are available to 11th and 12th grade students who meet certain requirements. For more information on these programs see pages 46 – 48.

The State of Ohio Board of Regents make strong recommendations to Ohio high school students regarding the curriculum that graduates should have followed in high school in order to be accepted to state universities in Ohio. Although there will always be some universities who will vary on their exact admission requirements, and certain college programs require different courses, New Richmond High School subscribes to the following recommendations for college readiness:

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

Scheduling Procedure

The following steps explain the overall process:

1. Students will review the on-line scheduling guide.
1. Students will seek the aid of teachers, counselors, and parents in determining the desired courses.
2. The appropriate teachers and counselor will approve initial course selections.
3. The final course selections will then be sent home for parent approval.
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 missed work. Students will have an equal number of days in attendance to days absent (for each excused 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.

EXAMPLE GRADUATION PLAN
FOUR-YEAR SCHEDULE

Ninth Grade
Requirements:
English
Physical Education
World History
Biology
Math
1 - 2 additional elective credits

Tenth Grade
Requirements:
English
Health / Financial Literacy
American History
Physical Science
Math
1 - 2 additional elective credits

Eleventh Grade
Requirements:
English
Science
Math
American Government
2 - 3 additional elective credits

Twelfth Grade
Requirements:
English
Math

3 - 5 additional elective credits

Students must complete only one full credit of a fine art during the four years to meet graduation requirements.

ART

Course	Grade	Credit	Prerequisite and/or Recommendation
Adv. Art Portfolio	**11-12**	**1HN**	**TR**
Arts & Communication Primer	**9-10**	**1/2**	**None**
Art Foundations	**9-12**	**1/2**	**None**
Ceramics I	**9-12**	**1/2**	**Art Foundations**
Ceramics II	**10-12**	**1/2**	**Ceramics I/TR**
Drawing/Painting I	**9-12**	**1/2**	**Art Foundations**
Drawing/Painting II	**10-12**	**1/2**	**Drawing/Painting I/TR**
Photography	**11-12**	**1/2**	**Art Foundations**
Photographic Composition	**11-12**	**1/2**	**Takes in conjunction with Photography**

TR - Teacher Recommendation. Students are required to have a discussion with the teacher before entry into the course.

Advanced Art Portfolio
Prerequisite of A/B grades in Art Foundations, Drawing/Painting I & II, and/or Ceramics I & II and approval of the instructor is required. This course is for the serious art student who wishes to complete a portfolio for study after high school or pursue the arts in more depth. **Fee - $24 Art Supplies**

Arts and Communication Primer
The worlds of art designers, performers and media artists intersect historically, culturally and aesthetically. In this introductory course for the Arts and Communication Career Field, students learn the basics of performance, design, audio and video. Students review brochures, photographs, news stories, videos and other products common to the visual, media and performance arts industries.

Art Foundations
This course is designed to provide the fundamental 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. This course completes the foundation requirements for all other elective art classes. Homework is required. **Fee - $10 Art Supplies**

Ceramics I
This semester course will focus on basic hand-building techniques and beginning wheel throwing. Students will be introduced to a history of ceramics. Some homework required. Prerequisite – Art Foundations. **Fee - $18 Ceramic Supplies**

Ceramics II
This semester course will focus on developing advanced hand building techniques, more in-depth wheel throwing, and creative problem solving challenges. Prerequisite – Ceramics I. **Fee - $18 Ceramic Supplies**

Drawing & Painting I
Drawing & Painting I is an in-depth studio course, which explores fundamental areas of painting as executed in various media including watercolor, tempera, and acrylic. Drawing exercises using various media will deal with perceived observations as well as conceptual problem solving. Students will be expected to learn about artists and styles of art while executing their own works. Homework is required. Prerequisite – Art Foundations. **Fee - $15 - wet and dry media, matting**

Drawing / Painting II
This course will provide more in-depth studies in all painting media; watercolors, water based 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. Prerequisite – D & P I. **Fee - $15 - wet and dry media, matting**

Photography
This is an introduction to photography, designed to develop camera techniques and composition skills using digital photography. There will also be an exploration of the history of photography and an introduction to Photoshop. Through various assignments, students will explore the possibilities of photographic communication and storytelling. Some homework is required. A DSLR camera is strongly recommended. This course will be taken in conjunction with Photographic Composition. Prerequisite – Art Foundations. **Fee - $15 - printing, matting, & Photoshop**

Photographic Composition
Aesthetics and techniques are essential to producing a good photograph. This course focuses on capturing and manipulating images in digital photography with some skill development in darkroom film processing, printing and enlarging. Topics include camera functions, mechanics of image capture, image manipulation, and print production. Students shoot photographs in various studio and indoor and outdoor settings. This course will be taken in conjunction with Photography.

BUSINESS

Course	Grade	Credit	Prerequisite and/or Recommendation
Accounting	**10-12**	**1**	**None**
Business & Consumer	**9-10**	**1/2**	**None**
Financial Literacy	**10**	**1/2**	**None**
Marketing	**10-12**	**1/2**	**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. The course will emphasize the underlying, basic procedures used in setting up and operating a small business accounting system. Students will explore accounting concepts such as double-entry accounting, account classification, creation of a trial balance, creation of financial statements, reconciling cash, calculating depreciation and amortization a loan. 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. **Fee - $32**

Business and the Consumer

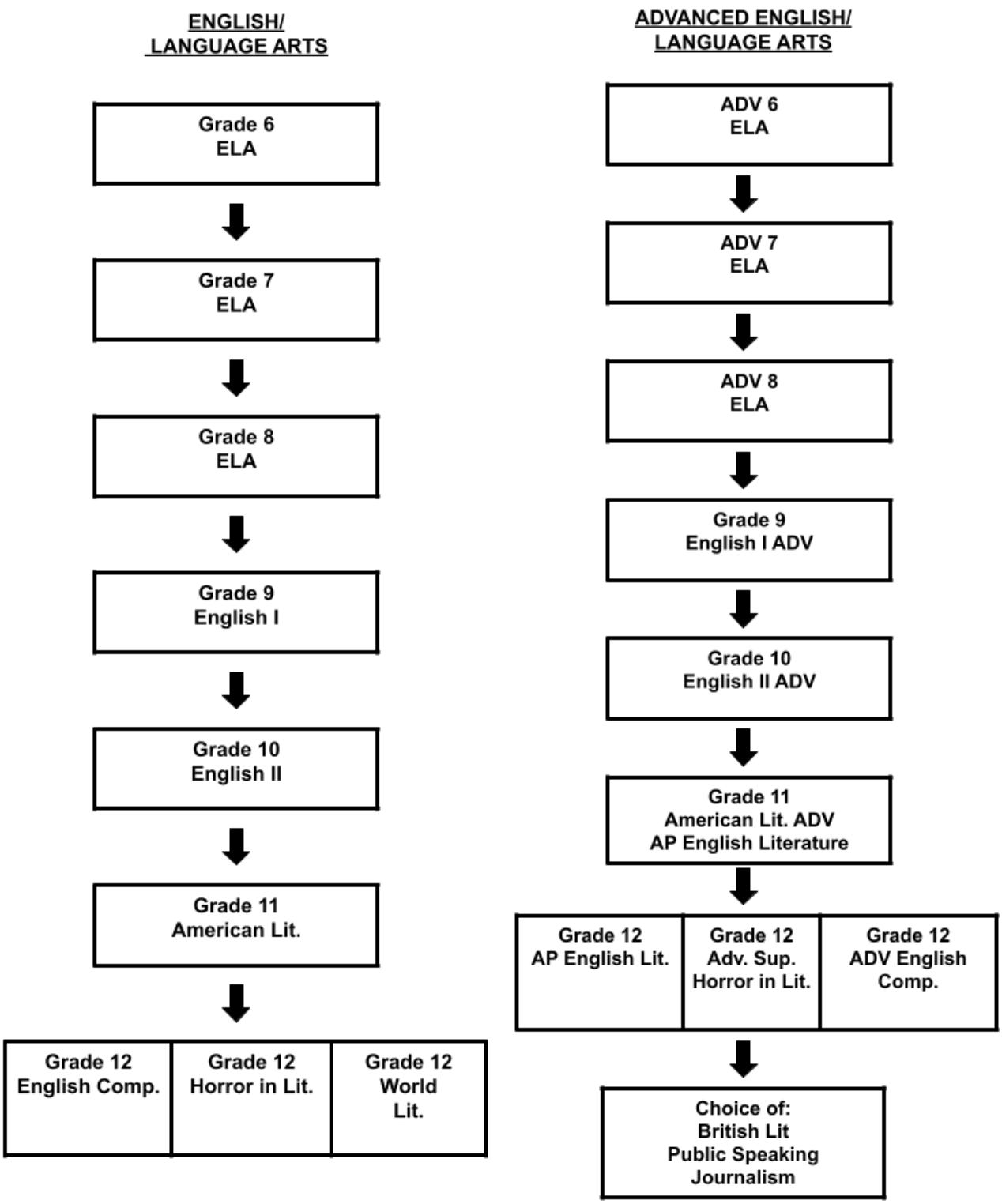
The course is designed to develop a comprehensive appreciation of the American business system and the economic setting in which it functions. It will help students develop knowledge and skills in business administration. Students will examine business activities, processes, and forms of ownership. Students will acquire an understanding of economic principles and identify current trends, issues and conditions impacting business, and determine the impact of the global environment on operations, innovation, technology, leadership and communications will also be addressed. Students will be engaged in teamwork, presentations, computer-related activities, and current events

Financial Literacy

The course will teach students to search and assess college and career opportunities, identify and prioritize their personal money management goals, develop personal spending and savings plans, comprehend the impact of time on the value of money, understand the cost of using credit, and protect assets. This course is a graduation requirement for the class of 2026 and beyond.

Marketing

Marketing will provide students with fundamental knowledge of marketing activities, including sales channels, marketing information management, marketing research, market planning, marketing communications, pricing, and product and service management, branding and selling. Students will conduct marketing research and engage in market planning. Employability skills, technology, leadership and communications will be incorporated in classroom activities **Fee - $23.50**



Please Note: The New Richmond Exempted Village School District believes that as students grow and mature, they should be provided opportunities to achieve their maximum potential. These pathways are samples: when students demonstrate the desire and ability to accept greater academic challenges, they are encouraged to advance into more rigorous courses.

ENGLISH

Course	Grade	Credit	Prerequisite and/or Recommendation
Adv. English I	9	1 HN	TR
Adv. English II	10	1 HN	Adv. English I /TR
Adv. American Literature A	11-12	½ HN	Adv. English II/TR
Adv. American Literature B	11-12	½ HN	Adv. English II/TR
Adv. English Composition (Independent Study)	11-12	½ HN	Adv. American Literature/AP Literature
Adv. Supernatural Horror in Literature and Media	11-12	½ HN	English II/TR
AP English Literature (summer reading requirement)	11-12	1 HN	Adv. English II/TR
English I	9	1 CP	None
English II	10	1 CP	English I
American Literature A	11-12	½ CP	English II
American Literature B	11-12	½ CP	English II
English Composition	11-12	½ CP	English II
Horror in Literature	11-12	½ CP	English I/English II
Journalism I	10-12	1 CP	English I/Adv. English I/TR
Journalism II, III, IV	10-12	1 HN	Journalism I/TR
Music in Literature	11-12	½ CP	English I/English II
Public Speaking	11-12	½ CP	None
Public Speaking II	11-12	½ HN	Public Speaking I
Survey of British Literature	11-12	½ HN	English II/TR
Survey of World Literature	11-12	½ CP	English II
Video Production	11-12	½ CP	None
Writer's Craft	10-12	½ CP	English I
Yearbook (an elective credit)	10-12	1 CP	English I/TR

TR - Teacher Recommendation. Students are required to have a discussion with the teacher before entry into the course.

Students at NRHS are required to successfully complete four years of English. All English courses are college preparatory in nature.

In College Prep courses the following will apply:

- Read one complete work (novel or play) each semester
- Read additional poems, short stories, informational text each quarter
- Write one formal essay each quarter
- Vocabulary study
- Grammar study
- Homework assigned as needed, graded as appropriate

In Honors courses, the following will apply:

- Read one complete work (novel/play) each quarter
- Read additional poems, short stories, informational text each quarter
- Write one formal essay each quarter
- Advanced, independent vocabulary study
- Advanced grammar study
- Homework assigned as needed, graded as appropriate

In AP courses, the following will apply:

- Read multiple complete works
- Read additional short stories, and informational text each quarter
- Write multiple pieces each quarter
- Intensive poetry study
- Grade based primarily on tests and formal writing

To move from CP English to Honors English, students must have:

1. Teacher recommendation
2. Average grade of A in current CP English class
3. Placement test in vocabulary and grammar
4. Four formal essays from the student's most recent English course with a grade of B or above

Parent override must include a meeting with the student, parent, counselor, and current English teacher.

Fee: Every student enrolled in an English course (except Yearbook) will be charged a $10 Membean fee.

Advanced English I

Designed with appropriate rigor in mind for the advanced level freshman, Advanced English I students will interact with the HMH Into Literature curriculum in order to gain the necessary reading, writing, and speaking and listening skills to be successful beyond the classroom. Emphasis is placed on an overview of multicultural literature, consisting of novels, short stories, essays, plays, poetry, and informational text. Equal emphasis will be placed on the use of writing process strategies for prewriting, drafting, revising, editing, and publishing.

Fee - $9 BOE approved novel

Advanced English II

Designed with appropriate rigor in mind for the advanced level sophomore, Advanced English II students will interact with the HMH Into Literature curriculum in order to gain the necessary reading, writing, and speaking and listening skills to be successful beyond the classroom. Emphasis is placed on multicultural literature consisting of novels, short stories, essays, plays, poetry, and informational text. Equal emphasis will be placed on the use of writing process strategies for prewriting, drafting, revising, editing, and publishing. **Fee - $15 BOE approved novel**

Advanced American Literature

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 on the use of writing process strategies for prewriting, drafting, revising, editing, and publishing in responding to the reading of fiction, including novels, short stories, plays and poetry, and informational text. **Fee - $11 BOE approved novel**

Advanced English Composition (Independent Study)

This course continues to refine and expand the writing and communications skills learned in the first three years of Advanced English. Writing projects will include a research paper, formal essays, and other short pieces. This course will focus heavily on an independent study, student-led research paper.

Advanced Supernatural Horror in Literature and Media
This course is an in-depth study of literary texts and media that fall under the category of horror and/or supernatural. While the focus is on this genre, the course may also address sub-categories of true-crime, science fiction and fantasy. The spooky, the creepy, and the unexplainable will be common threads through the reading, writing and viewing in this course as well as the inspiration for discussions, presentations and creative projects.

AP English Literature
AP English Literature and Composition is designed to prepare students for the AP English literature examination. This course 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 such as the use of figurative language, imagery, symbolism, and tone. Additionally, each student will be required to purchase paperback novels for the course.
AP Exam Fee $89 (based on 2023-24 test fee)

English I
Designed with appropriate rigor in mind for the CP level freshman, English I students will interact with the HMH Into Literature curriculum in order to gain the necessary reading, writing, and speaking and listening skills to be successful beyond the classroom. Emphasis is placed on an overview of multicultural literature, including novels, short stories, plays, poetry, and informational text. Equal emphasis will be placed on the writing process strategies for prewriting, drafting, revising, editing, and publishing. **Fee - $9 BOE approved novel**

English II
Designed with appropriate rigor in mind for the CP level sophomore, English II students will interact with the HMH Into Literature curriculum in order to gain the necessary reading, writing, and speaking and listening skills to be successful beyond the classroom. Emphasis is placed on an overview of multicultural literature, including novels, short stories, plays, and informational text. Equal emphasis will be placed on the writing process strategies for prewriting, drafting, revising, editing, and publishing. **Fee - $15 BOE approved novel**

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, expository pieces and literary analysis. Additionally, each student will be required to purchase a novel and online vocabulary access. **Fee - $10 BOE approved novel**

English Composition
This course continues to refine grammar and editing skills 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.

Horror in Literature
Students will read classic, modern, and contemporary works with an emphasis on the historical development of the horror genre. Attention will be given to supernatural, psychological, and allegorical themes and tropes in such fiction, as well as relevant social and historical background information. The course will center on written fiction, with supporting references to horror in films and other media.

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 production of the school newspaper, *The Messenger.* 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. Students who wish to take journalism must submit a writing portfolio that includes an argument paper, a narrative or explanatory essay and an interview write-up, prior to the end of the school year.

Journalism II / III / IV

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.

Music and Literature

Students will study various pieces of literature including novels, short stories, essays, and poetry, and the connection to modern music. The course will incorporate multiple project-based assessments as well as traditional written assessments.

Public Speaking

This course will introduce students to the speaking, listening, and interpersonal skills necessary to be effective communicators in academic settings, in the workplace, and in the community. The course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Students will develop skills as fair and critical listeners of spoken information and persuasion. Students will study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students will learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, how to incorporate visual and multimedia aids in presentations, and to benefit from listener feedback. Students will also learn about the ethics of public speaking, techniques for managing communication anxiety, and demonstrate the speaking, listening, and interpersonal skills necessary to be effective communicators in academic settings, in the workplace, and in the community. This course is taught in conjunction with Video Production..

Public Speaking 2

This project-based course for students who have successfully completed the first semester of Public Speaking will focus on practical applications for public speaking. The focal point for this course will be the utilization of public speaking skills for the production of the Roar on the River broadcast in conjunction with the Digital Media/Makerspace courses.

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.

Survey of World Literature

This course will examine a variety of world literature, including short stories, nonfiction, drama, poetry, and novels (novellas). Selected works will encompass a variety of cultures, genders, races, writing styles, and time periods. Class discussions, written assignments, and vocabulary development will also be emphasized.

Fee - $9 BOE approved novel

Video Production

This course focuses on video production for commercial use. Students plan and coordinate work with clients to produce projects on a tight timeline. They learn how to read and interpret a script, select and maintain equipment and combine graphics, text and special effects. Skills attained include pre-production documentation and planning; in-production audio and video recording; and post-production editing and distribution. This course is taught in conjunction with Public Speaking.

Writer's Craft

Writer's Craft is a semester class that requires the successful completion of English I. Students will work through a self paced curriculum that results in multiple written pieces ready for publication in a student produced literary magazine: The Leo. Writer's Craft is designed for students to create original forms of descriptive writing including poetry, fiction, and nonfiction. Literary conventions, vocabulary development, creative writing techniques, and editing skills are explored throughout the semester.

Yearbook

Students in this course learn journalistic, marketing, and media skills to produce the ""*NERIHI*" 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 year.**

WORLD LANGUAGE

Course	Grade	Credit	Prerequisite and/or Recommendation
Spanish I	**9-12**	**1 HN**	**None**
Spanish II	**9-12**	**1 HN**	**Spanish I**
Spanish III	**10-12**	**1 HN**	**Spanish II**
Spanish IV	**11-12**	**1 HN**	**Spanish III**

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. (It is recommended that students have access to a Spanish-English dictionary AND/OR mobile device with a translator).

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. (It is recommended that students have access to a Spanish-English dictionary AND/OR mobile device with a translator).

HEALTH & PHYSICAL EDUCATION

Course	Grade	Credit	Prerequisite and/or Recommendation
Health	**10**	½	**None**
Physical Education	**9-10**	½	**None**
Strength & Conditioning I	**9-12**	¼	**None**
Strength & Conditioning II	**9-12**	¼	**Strength & Conditioning I /TR**
Strength & Conditioning III	**10-12**	¼	**Strength & Conditioning II /TR**
Strength & Conditioning IV	**10-12**	¼	**Strength & Conditioning III /TR**

TR - Teacher Recommendation. Students are required to have a discussion with the teacher before entry into the course.

Health

This course is required for graduation and 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. During this class, the students will be instructed in requirements mandated by the State of Ohio. Those requirements are: AED, CPR, Teen Dating Violence, STD's/STI's, Organ Donation Education and Opioid Prevention. Fee $5 - Health supplies

Physical Education

All students are required to take this course for graduation. Usually taken during the freshman year, it is co-educational. The course consists of instruction of team and individual sports, assessment of fitness skills, instruction in yoga and walking techniques, and promotion and development of healthy fitness habits for improvement in the quality of each student's life.

Strength and Conditioning I, II, III, IV

This is a high level P.E. course, which primarily focuses on overall physical enhancement and fitness levels through weight training and nutrition. Students will learn the proper biomechanics for executing a variety of core, auxiliary, Olympic, and explosive lifts, plus speed and conditioning activities; as well as, nutrition guidelines and standards.

Students who participate in interscholastic athletics or cheerleading for two full seasons or two full years of Marching Band can opt to exempt their physical education requirement. Students who choose to exempt P.E. but who have not met the two-season/two-year requirement by the end of their junior year will be placed into a P.E. class during their senior year of high school.

TECHNOLOGY & PROGRAMMING

Course	Grade	Credit	Prerequisite and/or Recommendation
Computer Programming I	**9-12**	½	**None**
Computer Programming II	**10-12**	½	**Computer Programming I**
Digital Studio I	**9-12**	½	**None**
Digital Studio II	**10-12**	½	**Digital Studio I / TR**
Drafting I	**9-12**	½	**None**
Drafting II	**9-12**	½	**Drafting I / TR**
Home Maintenance / Repair	**10-12**	½	**None**
Makerspace I	**9-12**	½	**None**
Robotics & Drones I	**9-12**	½	**None**
Robotics & Drones II	**10-12**	½	**Robotics & Drones I / TR**
Robotics & Drones III	**10-12**	**1**	**Robotics & Drones II / TR**
Robotics & Drones IV	**10-12**	**1**	**Robotics & Drones III / TR**
Woods I	**9-12**	½	**None**
Woods II	**10-12**	½	**Woods I / TR**
Video Game Design	**10-12**	½	**None**

TR - Teacher Recommendation. Students are required to have a discussion with the teacher before entry into the course.

Computer Programming I
Computer Programming I is an introduction to the field of computer science. This is a semester class. Coding is a language that teaches problem solving, which is used in all aspects of technology. There is no previous coding experience necessary to be successful in this class. Topics covered include user/computer interactions, problem solving, programming with Python. Students will be using http://www.codehs.com to view and complete all assignments. Students will also view videos, examples, complete exercises, quizzes and tests. Students will also create their mini-program for their final project.
Modules:
This course is designed with a sequence of modules with a practical objective. Each module teaches concepts that are fundamental in learning computer science. Students watch short videos, examples and will complete their own exercises to demonstrate their understanding of the material. Each module contains a series of challenge problems for students to complete.

Computer Programming II
Computer Programming II is a continuation from CP1 in the field of computer science. This is a semester class. Students will continue to use their problem solving skills and developing ore knowledge of various languages in computer programming. These languages include HTML, JavaScript and Python. Students will be using http://www.codehs.com to view and complete all assignments. Students will also use lessons and exercises provided by the teacher using the desktop computers provided by the school. Students will also view videos, examples,

complete exercises, quizzes and tests. Students will also create their mini-program / animation for their final project.
Modules:
This course is designed with a sequence of modules with a practical objective. Each module teaches concepts that are fundamental in learning computer science. Students watch short videos, examples and will complete their own exercises to demonstrate their understanding of the material. Each module contains a series of challenge problems for students to complete.

Digital Studio I & II

The mission of the Digital Studio is to provide students interested in broadcast media the opportunity to learn all aspects of the business for newscasts, green screen, and digital broadcast capabilities. High school students will master the basics of three-point lighting, video camera techniques, teleprompting, research, script writing, computer graphics, animation, videotape editing and performance techniques. They will help produce the weekly broadcast aired to students and staff at their school if applicable. Students will also assist students and faculty in the development of webcasts, podcasts, and other products available to demonstrate learning in courses across the curriculum. The studio will provide students and faculty with access to cutting edge video, photo and graphics editing programs.

The Digital Studio supports teaching, learning, and research by:

- Providing tools and training for multimedia capture, production, and publication for audio, video, and images using various editing and delivery tools and platforms, as well as file storage and management.
- Digital Studio staff provide consultation and training for academic tools including NRHS Classes, Web Publishing, Google Apps for Education, NRHS Stream - YouTube, Instructional Video and documentary as well as NRHS Wikis.
- Supporting digital study by providing consultation on digital project planning and management, copyright and fair use (including creative commons licensing, open access, and author's rights), digital publishing (Faculty Digital Archive, journal publishing, and other options), and digital archiving.

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 (AutoCad)

This course covers the basics of computer aided drafting and design including hardware, software, operating systems and development of skills for creating and plotting, simple technical and architectural drawings using AutoCAD software.

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.

MakerSpace I

Students will be trained in the aspects of a Makerspace and the capabilities available to develop projects. The Maker Space course consists of separate units that aim to move the student from more prescribed, controlled projects to open-ended, self-initiated work. The first few weeks will introduce students to the space, the materials, and some basic skills that will be useful in all future projects. The majority of the semester will be spent with the students doing self-guided work using a design process of Empathize, Define, Ideate, Prototype and Test. Students will come up with a plan to create their own invention or creation. They will plan it, create it, and experiment with it as the prime mover in the project, taking ownership of the process, its successes and failures. Students will be required to keep a record of their ideas, including visual records and notes on the process. At the end of the project each student will give feedback to the class about what worked well and what was less successful in the course of the project.
As students evolve in their abilities to use the equipment and to design more complex projects, MakerSpace can be taken for repeat credit.

Robotics and Drones I

Students will begin to design, build, and program robots in Robotics and Drones I. General Robotics and Drones are covered in this course with emphasis being placed on beginning user/computer interactions, problem solving, and programming with concepts of variables, conditional statements, decision-making, and looping. Students will gain an understanding of the

regulations, operating requirements, and procedures for safely flying drones. For this unit, hands-on experiences are provided utilizing VEX Robotics®, VEXcode, and lightweight and compact drones.

Robotics and Drones II
Students in Robotics and Drones II will gain a deeper understanding of designing, building, and programming robots in this course. Students use tools such as the engineering design process, an engineering notebook, and VEX Robotics® programming software to invent and innovate. Students will learn how creative thinking and problem solving can change the world. This class will allow students to trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects. Lightweight and compact drones will be utilized focusing on more uses and applications of drone technology.

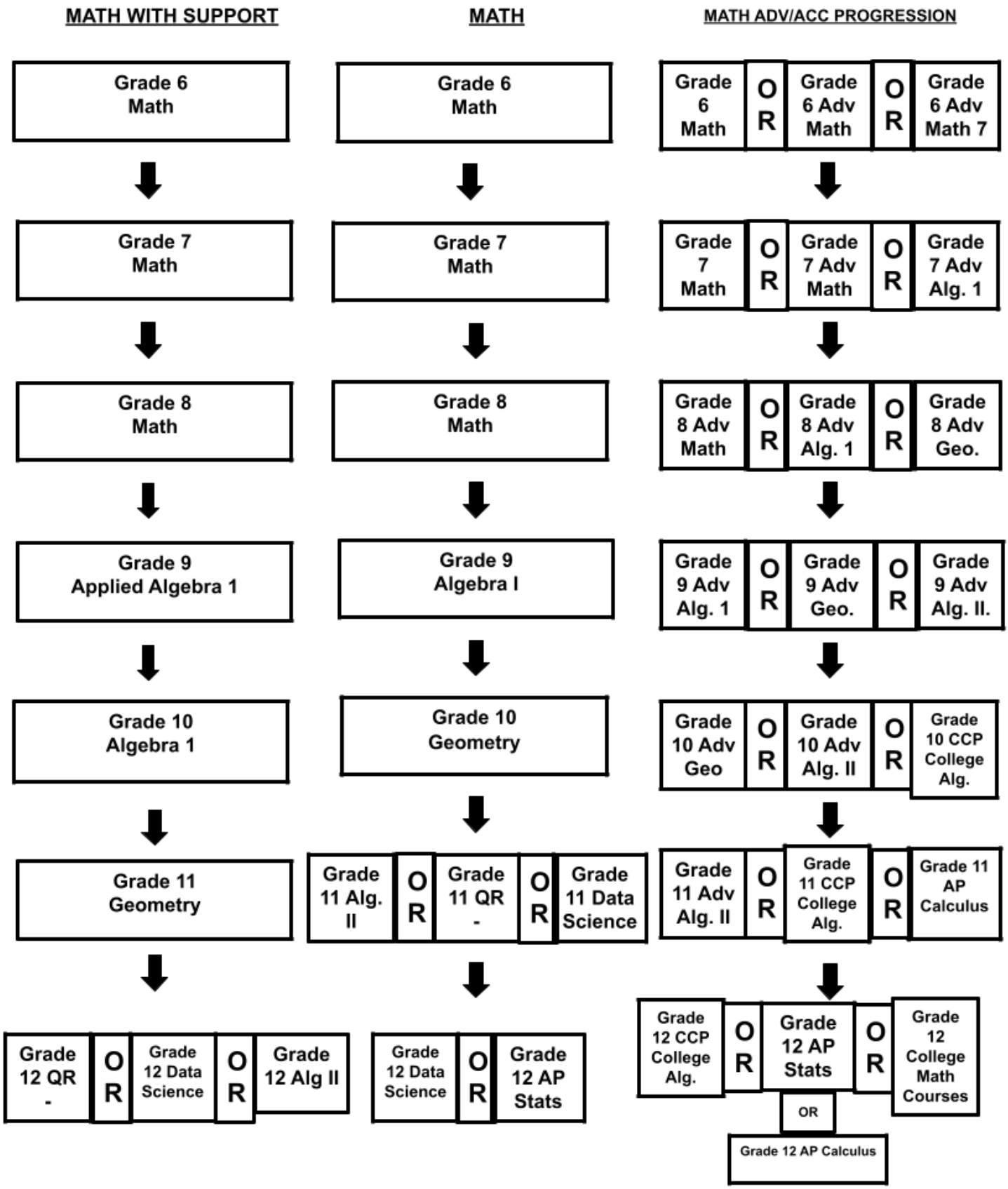
Robotics and Drones III
Robotics III is a yearlong technology course that teaches students intermediate computer science programming skills to accomplish real life tasks using robots and drones. This course includes topics covered such as user/computer interactions, problem solving, and construction and programming of autonomous mobile robots with VEXcode for VEX Robotics® and specifically for VEX Robotics Competitions. Robotics III students will also utilize “Drones in School”, which is a unique educational program that develops skills in engineering, project management, entrepreneurship, graphic design and marketing. Drones in School is a comprehensive event that challenges students to go beyond their current skills through a fun and engaging process that wraps around the exciting sport of drone racing. Students will work hands-on in teams to design, build, program and document their progress with competition robots and drones.

Robotics and Drones IV
Robotics IV is a yearlong technology course that teaches students advanced computer science skills to accomplish real life tasks using robots and drones. Students will focus on using the programming language Python. Python is an interpreted, high-level and general-purpose programming language. This course includes topics covered such as user/computer interactions, problem solving, and construction and programming of autonomous mobile robots with VEXcode for VEX Robotics® and specifically for VEX Robotics Competitions. Robotics IV students will also utilize “Drones in School”, which is a unique educational program that develops skills in engineering, project management, entrepreneurship, graphic design and marketing. Drones in School is a comprehensive event that challenges students to go beyond their current skills through a fun and engaging process that wraps around the exciting sport of drone racing. Students will work hands-on in teams to design, build, program and document their progress with competition robots and drones. Robotic IV students will also work closely with Robotics III students to mentor and guide them for VEX Robotics competitions and Drone competitions.

Video Game Design
The CodeHS Video Game Design curriculum teaches the foundations of computer science and programming required to build their own video games in JavaScript. Students will learn how to code and finish the course having created over 5 text-based and graphical games.The entirely web-based curriculum is made up of a series of learning modules that cover the fundamentals of programming. Each module is made up of short video tutorials, example programs, quizzes, programming exercises, challenge problems, and practice problems. The course is designed for a year long class that meets 5 days per week, though schools implement it in a variety of ways. The Video Game Design course is an advanced, rigorous course designed for those familiar with the basics of JavaScript. The course is highly visual, dynamic, and interactive making it engaging for new coders. Students will combine many concepts of computer science to build several of their own games from scratch using JavaScript.

Woods I
This course will teach the students to improve their skills with basic hand tools, learn the safe and proper use of major woodworking power tools, and learn about industrial processes and materials related to woodworking. **Students are responsible for purchasing materials for projects in addition to class consumable materials fees. FEE: Market price based on project and type of wood**

Woods II
This class will teach the students more advanced principles and techniques of woodworking which includes skill on the woodworking power tools, and design and finishing of projects for today’s living. **Students are responsible for purchasing materials for projects in addition to a class consumable materials fees.**
FEE: Market price based on project and type of wood



Please Note: The New Richmond Exempted Village School District believes that as students grow and mature, they should be provided opportunities to achieve their maximum potential. These pathways are samples: when students demonstrate the desire and ability to accept greater academic challenges, they are encouraged to advance into more rigorous courses.

MATHEMATICS

Course	Grade	Credit	Prerequisite and/or Recommendation
Applied Algebra I	**9**	**1**	**None**
Algebra I	**9**	**1**	**None**
Advanced Algebra I	**8-9**	**1 HN**	**TR**
Geometry	**10**	**1**	**Algebra I**
Advanced Geometry	**9-10**	**1 HN**	**Advanced Algebra I / TR**
Algebra II	**11-12**	**1**	**Geometry**
Advanced Algebra II	**10-11**	**1 HN**	**Advanced Geometry / TR**
Quantitative Reasoning	**11-12**	**1**	**Geometry**
Data Science	**11-12**	**1**	**Geometry**
Pre-Calculus	**11-12**	**1 HN**	**Advanced Algebra II / TR**
AP Calculus	**12**	**1 AP**	**Pre-Calculus (min "B" average) / TR**
AP Statistics	**11-12**	**1 AP**	**Advanced Algebra II / TR**

TR - Teacher Recommendation. Students are required to have a discussion with the teacher before entry into the course.

Students at NRHS are required to successfully complete four years of mathematics. All mathematics courses are college preparatory in nature with the exception of Applied Math. Honors and Advanced Placement courses are taught more in-depth and are for the more advanced math student.

Applied Algebra I

Students who struggle in math foundations are more likely to struggle in subsequent math courses and experience more adverse outcomes. This course is designed to help students who, for many possible reasons, need more support than is possible to provide. This first year high school math course addresses content through concrete models and real-world situations and with less emphasis on symbol-manipulation and formal mathematical structure. **Fee - $8 Workbook**

Algebra I

This course is designed to follow the Math 8 course taught at the middle school and will help prepare students for other high school math courses, and then later college. This course is aligned with the common core state standards with primary emphasis on statistics, linear, exponential, and quadratics functions, as well as operations with polynomials. Topics will include order of operations, factoring, graphing equations and inequalities, solving systems of equations and interpreting data. **Fee - $8 Workbook**

Advanced Algebra 1

This advanced course will help prepare students for high school CCP Precalculus/Calculus/AP Calculus. This course is aligned with the common core state standards with primary emphasis on statistics, linear, exponential, and quadratics functions, as well as operations with polynomials. Topics will include order of operations, factoring, graphing equations and inequalities, solving systems of equations and interpreting data. The pacing of this course will go faster or into more depth on topics than Algebra 1, providing a more challenging option for advanced level students. **Fee - $8 Workbook**

- It is recommended that students have a teacher recommendation to take this course,

Geometry

This course is designed to follow the Algebra 1 course and will help prepare students for other high school math courses, and then later college. This course is aligned with the common core state standards with primary emphasis being placed on learning geometry as a logical system rather than a collection of facts to be memorized. This development evolves from studying constructions, conjectures, proofs, and theorems. Topics include congruence, similarity, area, volume, dilations, and geometric figures. **Fee - $8 Workbook**

Advanced Geometry

This advanced course is designed to follow Advanced Algebra 1, and will help prepare students for high school CCP Precalculus/Calculus/AP Calculus. This course is aligned with the common core state standards with primary emphasis being placed on learning geometry as a logical system rather than a collection of facts to be memorized. This development evolves from studying constructions, conjectures, proofs, and theorems. Topics include congruence, similarity, area, volume, dilations, and geometric figures. The pacing of this course will go faster or into more depth on topics than Geometry, providing a more challenging option for advanced level students. **Fee - $8 Workbook**

- It is recommended that students have an average grade of 80% or better in Advanced Algebra I (at the middle school) to take this course. Students that have an average grade of 95% or better in Algebra I may also take this course upon teacher/counselor approval.

Algebra II

Algebra II is intended for students who wish to pursue a calculus-based STEM career. This course extends the use of functions to include advanced polynomial, rational, radical and trigonometric functions, where solutions to problems in real-world situations are formulated, validated and analyzed. You will use mental, paper-and-pencil, algebraic and technology-based techniques and a variety of mathematical notation. **Fee - $8 Workbook**

Advanced Algebra II

This advanced course is designed to follow Advanced Geometry and will help prepare students for high school CCP Precalculus/Calculus/AP Calculus. This course is aligned with the common core state standards with primary emphasis placed on: solutions of polynomial equations, statistics and probability distributions, the Law of Sines and the Law of Cosines, radians, exponential and logarithmic functions, and applications. Students will be required to have access to a graphing calculator both in and out of class for assignments and assessments. **Fee - $8 Workbook**

- It is recommended that students have an average grade of 80% or better in Advanced Geometry to take this course. Students that have an average grade of 95% or better in Geometry may also take this course upon teacher/counselor approval.

Data Science (Algebra II Equivalent)

Data science is a blend of quantitative reasoning, statistics and computer science to gain meaningful insights from data. The difference between data science and statistics is that where statistics focuses on explaining the data, data science focuses on using data to make predictions and decisions. Students will reason with and think critically about data in all forms. They will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society and more. **Fee - $**

Quantitative Reasoning (Algebra II Equivalent)

Do you like to work and communicate with others? Do you enjoy hands-on activities using real-world contexts? Then Quantitative Reasoning might be for you! Quantitative Reasoning is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices. The course builds upon previous knowledge and extends that knowledge to new situations to create a deeper understanding. Critical thinking and communicating about mathematics are the primary objectives of the course while extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry.

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.) **Fee - $16.50 - MathXL**

- It is recommended that students have an average grade of 80% or better in Advanced Algebra II to take this course. Students that have an average grade of 95% or better in Algebra II may also take this course upon teacher/counselor approval.

AP Calculus

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.

AP Exam Fee $89 (based on 2023-24 test fee)

- It is recommended that students have an average grade of 90% or better in Precalculus to take this course.

AP Statistics

AP Statistics focuses on the study of probability and statistics, both descriptive and inferential. The course emphasizes analysis and interpretation more than computation. The course consists of four main strands:

(1) Exploring data: describing patterns and departures from patterns,

(2) Sampling and experimentation: planning and conducting a study,

(3) Anticipating patterns: exploring random phenomena using probability and simulation,

(4) Statistical inference: estimating population parameters and testing hypotheses.

AP Exam Fee $89 (based on 2023-24 test fee)

MUSIC / PERFORMING ARTS

Course	Grade	Credit	Prerequisite and/or Recommendation
Band I	**9-12**	**1**	**None**
Band II	**10-12**	**1**	**None**
Band III	**11-12**	**1**	**None**
Band IV	**12**	**1**	**None**
Beginning Music Theory	**10-12**	**½**	**Music literacy strongly recommended**
Advanced Music Theory	**10-12**	**½**	**Beginning Music Theory / TR**
Concert Choir	**9-12**	**1**	**None**
Guitar I	**9-12**	**½**	**None (students must have access to a guitar)**
Guitar II	**10-12**	**½**	**Guitar I**
Music in Film	**10-12**	**½**	**None**
Percussion	**9-12**	**½**	**None**
Adv. Percussion	**10-12**	**½**	**Percussion**
Popular Singers & Their Songs	**10-12**	**½**	**None**
Survey of 20th Century Music	**10-12**	**½**	**None**
Troubadours I	**10-12**	**1**	**Participation in Concert Choir the year prior strongly recommended**
Troubadours II	**11-12**	**1**	**Audition**
Troubadours III	**12**	**1**	**Audition**

TR - Teacher Recommendation. Students are required to have a discussion with the teacher before entry into the course.

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 with director approval. As a co-curricular, year long class, emphasis is placed on the marching program with performances at football games, and parades during the fall season. 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. Participation in the graduation commencement ceremony is a required end of year performance for all non-seniors.

Beginning Music Theory (FALL SEMESTER ONLY)

Music Theory is the study of music and its notation. This course deals with the traditional western music theory, the beginning elements of music, and how they combine to form chord progressions. Students must have prior experience reading music, either through participation in a school ensemble or taking private lessons outside of the school day.

Advanced Music Theory (SPRING SEMESTER ONLY)

Music Theory is the study of music and its notation. This course deals with the foundations and functions of harmony, and applying them to analyze musical works and create compositions. Students must have passed Beginning Music Theory or passed an entrance exam and have teacher approval.

Concert Choir
Concert Choir is a mixed chorus that performs a wide variety of choral literature and studies beginning music reading and score study. The treble voices and the tenor/bass voices may rehearse separately, but usually perform together. Concert Choir is open to any interested 9th-12th grade students (returning students require director's permission).
They perform locally and in OMEA contests, and performances are a graded requirement of the class.
Fee $20 used to purchase sheet music and rights to perform.

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. **Fee $7 Covers one set of strings.**

Guitar II
This course is a continuation of Guitar I. Director approval is required. **Fee $7 Covers one set of strings.**

Music in Film
Music in Film is a semester elective course that explores the relationship between images and sound in movies and how it has changed throughout history. Through studying the movies and music of prominent film composers, students will explore how what they hear influences what they see and how what they see influences what they hear.

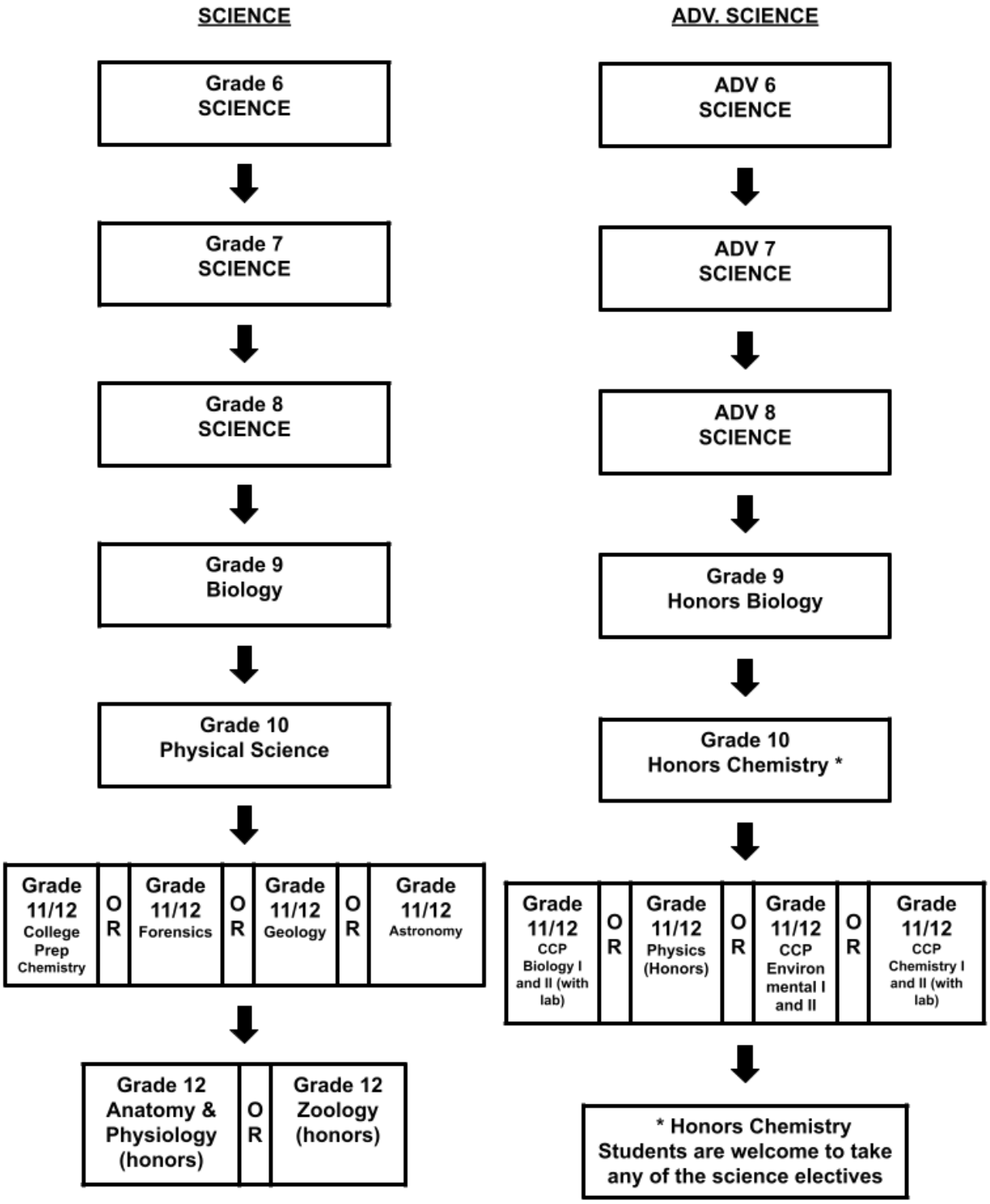
Percussion
Students will learn the history, function, and performance of concert and marching percussion instruments. Students will be required to read music notation, perform both melodic and rhythmic examples, and participate in at least one concert per semester. **Fee - $14 - Covers cost of drumsticks**

Advanced Percussion
Advanced Percussion is designed for the student desiring to further their skills as a percussionist. Students will learn fundamental and advanced techniques on mallet, marching percussion, and concert percussion instruments. Music notation will be covered on all of the preceding instruments, as well. This course is designed as a performance group and students will be required to participate in out of school performances. **Fee - $14 - Covers cost of drumsticks**

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.

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 that performs a wide variety of advanced choral literature and studies advance music reading and score study. Interested 10th-12th graders must complete an audition to participate. The Troubadours perform locally, in the Greater Cincinnati area, and in OMEA contests, and performances are a graded requirement of the class. **Fee $20 - used to purchase sheet music and rights to perform**



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SCIENCE

Course	Grade	Credit	Prerequisite and/or Recommendation
Advanced Biology	9	1 HN	TR
Anatomy & Physiology (Honors)	11-12	1 HN	Advanced Biology/ TR
Astronomy	11-12	½ CP	Biology/Physical Science
Biology	9	1 CP	None
Chemistry (CP)	11-12	1 CP	Biology/Physical Science/Algebra I
Chemistry (Honors)	10-12	1 HN	Adv. Math 10/Adv Biology/TR
CCP Env. Biology I & II	11-12	1 HN	Biology/Adv. Biology
CCP Chem I & II with lab	11-12	1 HN	Honors Chem/ TR
CCP Biology I & II with lab	11-12	1 HN	TR
Forensics	11-12	½ CP	Biology/Physical Science
Geology	11-12	½ CP	Biology/Physical Science
Physical Science	10	1 CP	Biology
AP Physics	11-12	1 HN	Adv Algebra II/TR
Zoology (Honors)	11-12	½ HN	Biology

TR - Teacher Recommendation. Students are required to have a discussion with the teacher before entry into the course.

Students at NRHS are required to successfully complete three years of science (equivalent to 3 credit hours). We offer a wide range of required and elective courses to meet the needs of our entire student body. Honors and Advanced Placement courses are available for students seeking a deeper and more rigorous approach to science. The Science Department strongly encourages all college-bound students to take four or more years of science in order to be best prepared for college level science classes.

Advanced Biology
This course is required for all freshmen, however, advanced placement should include a teacher recommendation. This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Advanced level biology will include a greater focus on study skills, critical thinking, and high-level literacy skills within the content.
Fee $30 (lab supplies, chemical stock, dissection specimens, dissection supplies)

Anatomy and Physiology
Anatomy and Physiology is a two semester, honors science-elective course that includes a detailed study of many human body systems. Homeostatic balance, the relationship between structure and function, and the interrelationships between body systems are a focus throughout the course. Through engaging lectures, hands-on laboratory experiments, and in-depth dissections, students will gain a profound understanding of how the human body works at both the macro and

micro levels. This course will require students to complete high level reading and independent studying. This course is recommended for students interested in a health-related career, especially those students who plan to study medicine, nursing, physical therapy, and athletic training. Prerequisites for this course are A/B average in other science courses.
Fee $40 (lab supplies, chemical stock, dissection specimens, dissection supplies)

Astronomy
This course will provide the student with an introduction to the concepts of modern astronomy, the origin and history of the Universe and the formation of the Earth and the solar system. Students will compare the Earth's properties with those of the other planets and explore how the study of astronomy has influenced human thought and action. The course gives a description of astronomical phenomena using the laws of physics. The course treats many standard topics including planets, stars, the Milky Way and other galaxies, black holes to more esoteric questions concerning the origin of the universe and its evolution and fate. Although largely descriptive, the course will occasionally require the use of sophomore-high level mathematics, including use and mastery of dimensional analysis and some trigonometric functions.
Fee $30 (lab supplies, lab consumables, chemicals, safety glasses, classroom materials, kits)

Biology
This course is required for all freshmen but may also be taken by juniors or seniors that still need a life science credit. This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.
Fee $30 (lab supplies, dissection specimens, dissection supplies)

Chemistry (CP)
This course is designed to realistically teach students about how the chemical concepts that surround them personally relate to the world in which we live. This course will allow students to incorporate their English and math skills into the science classroom. When students are done with this course, they should feel mentally challenged and have an understanding of how chemistry applies to their lives. It allows students to apply themselves in many different ways by becoming very involved in the topic. This course is a hands-on course that is designed with four purposes in mind. They are:

- ❖ To help students realize the importance of chemistry in their personal lives
- ❖ To use principles of chemistry to think more intelligently about current issues, science, and technology and chemical processes
- ❖ To develop lifelong awareness of the potentials and limitations of science and technology
- ❖ To enable students to become critical thinkers who are able to engage with others in a scientific manner

This Chemistry course is designed for students who have successfully completed Physical Science and a minimum of Math 10. Students taking Chemistry should be concurrently taking Math 11 or higher.
Fee $30 (lab supplies, demonstration materials, project supplies)

Chemistry (Honors)
This course is designed to realistically teach students about how the chemical concepts that surround them personally relate to the world in which we live. This course will allow students to incorporate their English and math skills into the science classroom. When students are done with this course, they should feel mentally challenged and prepared to take college level chemistry. It allows students to apply themselves in many different ways by becoming very involved in the topic. This course is a hands-on course that is designed with four purposes in mind. They are:

- ❖ To help students realize the importance of chemistry in their personal lives
- ❖ To use principles of chemistry to think more intelligently about current issues, science, and technology and chemical processes
- ❖ To develop lifelong awareness of the potentials and limitations of science and technology
- ❖ To enable students to become critical thinkers who are able to engage with others in a scientific manner

The Honors Chemistry course is designed for students who have successfully completed Advanced Biology and a minimum of Advanced Math 10. Students taking Honors Chemistry should be concurrently taking Advanced Math 11 or higher.
Fee $35 (lab supplies, demonstration materials, project supplies)

Environmental Biology (CCP optional)
This Environmental course is a two semester, Honors science-elective designed to provide a well rounded and challenging academic experience for Juniors and Seniors. Environmental Science is designed to show thematic connections between a variety of science disciplines including biology, chemistry, and physics. It gives students a coherent and realistic picture of the applications of a variety of scientific concepts as they manifest in our environment. The aim of this course is to increase student knowledge of the environmental challenges of today, while continuing to cultivate scientific critical thinking skills. The course content deals with the study of ecosystems, biotic and abiotic factors in the environment, changes that take place (succession), populations, pollution, and use and conservation of natural resources and wildlife. Prerequisites for this course are A/B average in other science courses.

- This course is also offered as part of the College Credit Plus program that will allow our students to simultaneously earn both New Richmond High School and University of Cincinnati credits without ever leaving our campus. Additional information on this program will be made available to enrolled students.

Fee $30 (lab supplies, lab kits, dissection specimens, horticultural supplies) for any student not taking this course for CCP credit.

CCP Biology I and II with Lab
This college-level biology course is a comprehensive exploration of cellular biology, genetics, evolution, ecology, and more, demanding daily study to keep up with the rigorous pace. This course places a strong emphasis on scientific inquiry, involving students in research projects and hands-on laboratory work. Organized around four "Big Ideas," it addresses key principles and processes in biology. Independent learning and college level reading are required, and assessment methods encompass essays, research projects, and presentations, fostering critical thinking and effective communication. Prerequisites for this course are Chemistry and an A/B average in other science courses and teacher approval.

- This course is also offered as part of the College Credit Plus program that will allow our students to simultaneously earn both New Richmond High School and University of Cincinnati credits without ever leaving our campus. Additional information on this program will be made available to enrolled students.

CCP Chemistry I and II with Lab
This college-level chemistry course is a comprehensive exploration of the periodic table, chemical reactions, bonding, stoichiometry, nuclear, thermochemistry, electrochemistry, equilibrium, acids/bases and more. This course will require students to do outside research, keep up a lab notebook along with completing practice problems which challenge understanding. A strong emphasis will be placed on testing theoretical ideas to determine percent error of laboratory results. Independent learning and college level reading are required, and assessment methods encompass essays, research projects, and presentations, fostering critical thinking and effective communication. Prerequisites for this course are A/B average in Advanced Algebra and Honors Chemistry along with a teacher approval.

- This course is also offered as part of the College Credit Plus program that will allow our students to simultaneously earn both New Richmond High School and University of Cincinnati credits without ever leaving our campus. Additional information on this program will be made available to enrolled students.

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. This course is a one semester, science-elective designed to provide an exciting, multi-disciplinary approach to Forensics for Juniors and Seniors. 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 emphasize the use of lab techniques from these disciplines to process crime scene evidence and solve a variety of cases. This class is a lab intensive experience and good attendance is necessary.
Fee $30 (lab supplies and lab kits)

Geology
ROCK ON…Geology is a one-semester science-elective designed to provide a well-rounded view of Earth Science for Juniors and Seniors. This lab intensive science course will develop student understanding of the earth and the universe around it through the study of topics in plate tectonics, geologic time, rocks and minerals, local geology, meteorology, climatology, and oceanography.
Fee $30 (lab supplies, samples, lab kits)

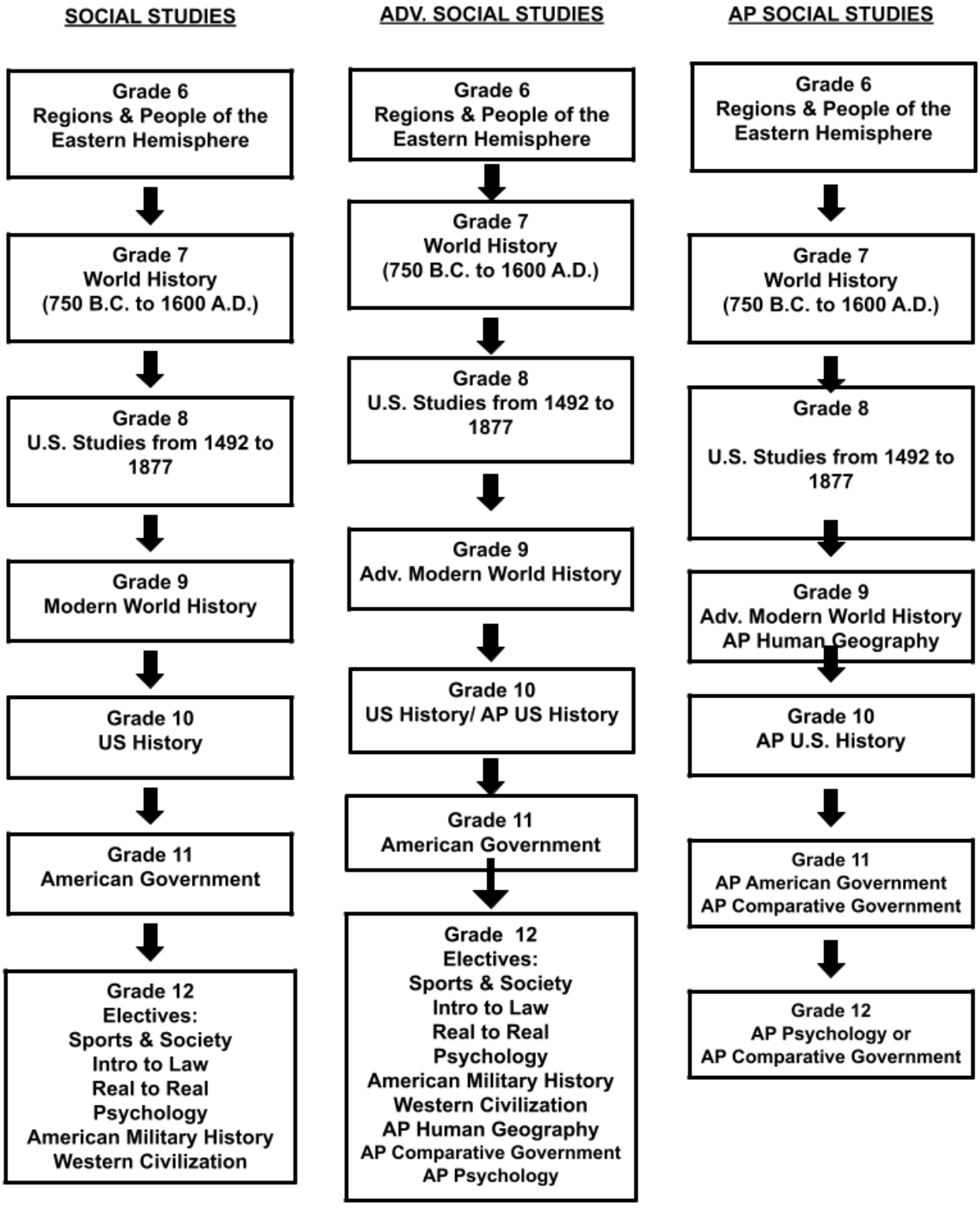
Physical Science
The Physical Science course will have students demonstrate an understanding of the composition of physical systems and the principles that describe and predict physical interactions and events in the natural world. Topics will include the properties and structure of matter, chemical reactions and the conservation of matter, nature and transfer of energy, motion and the forces affecting motion, nature of light and wave interactions, a comprehensive use of the scientific process and data analysis. Topics will also include historical and physical geology, meteorology and astronomy.
Fee $30 (lab supplies, chemical stock, lab kits, demonstration materials)

AP Physics
AP Physics encompasses an overall view of the physics world in collaboration with math formulas and principles, which aid in the understanding of most physics concepts. Students interested in AP Physics should have a strong background in trigonometry and be prepared to use the scientific process both in independent study and in-group scenarios. The math involved in AP Physics includes:

- Algebraic formulas
- Multi-step equations
- Graphing data
- Scientific notation
- Dimensional analysis
- Vector addition in one and two dimensions
- Significant figure use
- Trigonometry functions

Students in AP Physics will be expected to complete a lab notebook each semester. For students in AP Physics, the overall grade will be determined from 50% test scores and quiz assessments, and 50% from projects, labs, homework, written analysis and classwork. Although not a requirement, it is suggested that students have taken Honors Chemistry as a prerequisite for Honors Physics. Students taking AP Physics should have successfully completed Advanced Algebra II.
Fee $35 (lab supplies). AP exam fee - $89 (based on 2023-24 test fee)

Zoology
Zoology is a one-semester Honors science elective designed to provide a well-rounded and challenging academic experience for Juniors and Seniors. This course is a laboratory-based course that will address a review of biological principles and survey the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, anatomy, and physiology will be investigated. Zoology is a lab-intensive class. Students will have the opportunity to handle many specimens and are required to complete multiple dissections. Comparative studies will be addressed during laboratory observations and dissections. Prerequisites for this course are A/B average in other science courses.
Fee $30 (lab supplies, chemical stock, dissection specimens, dissection supplies)



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SOCIAL STUDIES

Course	Grade	Credit	Prerequisite and/or Recommendation
AP US History	**10-12**	**1 AP**	**TR**
Adv Modern World History	**9**	**1 HN**	**TR**
American Government	**11**	**1**	**None**
American History	**10**	**1**	**None**
American Sports & Society	**11-12**	**½**	**None**
AP Comparative Government & Politics	**11-12**	**1 AP**	**TR**
AP Government **	**11**	**1 AP**	**TR**
AP Human Geography **	**10-12**	**1 AP**	**TR**
Intro to Law	**10-12**	**½**	**None**
Modern World History	**9**	**1**	**None**
AP Psychology	**11-12**	**1 AP**	**TR**
Real to Reel	**9-10**	**½ HN**	**None**

This course has a summer reading requirement. **TR - Teacher Recommendation. Students are required to have a discussion with the teacher before entry into the course.

Students at NRHS are required to successfully complete three years of social studies. All social studies courses are college preparatory in nature. Honors and Advanced Placement courses are taught more in-depth and are for the more advanced social studies student.

AP US History
Students study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. They will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. Skills **that will be developed throughout this course include** evaluating primary and secondary sources, analyzing the claims, evidence, and reasoning found in sources, putting historical developments in context and making connections between them, and coming up with a claim or thesis and explaining and supporting it in writing.
AP Exam fee $89 (based on 2023-24 test fee)

American History
This course will examine the American experience from 1876 to the present. Emphasis will be placed on the civil rights movement, collapse of Communism, rise of European democracies, and current events.

American Sports and Society
Students will examine the history and continued popularity of sports in America. Sports are a fascinating and complex area of study with regard to American culture and history. This course intends to investigate sport's significance to our diverse society. Issues of race, gender, and class will be analyzed alongside a range of other topics. The aim of this course is for students to develop their skills of analysis, research, and critique as they work towards an understanding of sport's continuing centrality within American life and culture. With this course, students will be able to gain a greater perspective on why sports continue to play an important, yet sometimes controversial, part in American life.

American Government
This course is required for graduation. 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 America'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.

Advanced Modern World History
This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. This course will include additional reading beyond the text and reaction writing.

Modern World History
This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

AP Comparative Government & Politics
This course is an introductory college-level course in comparative government and politics. The course uses a comparative approach to examine the political structures; policies; and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis.
AP Exam Fee $89 (based on 2023-24 test fee)

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.
AP Exam Fee $89 (based on 2023-24 test fee)

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.
AP Exam Fee $89 (based on 2023-24 test fee)

AP Psychology
Explore the ideas, theories, and methods of the scientific study of behavior and mental processes. You'll examine the concepts of psychology through reading and discussion and you'll analyze data from psychological research studies.
AP Exam Fee $89 (based on 2023-24 test fee)

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.

Real to Reel

This is an honors level semester course examining popular films based on historical events. Students will critique films based on their historical accuracy. Students will examine films for their impact on popular perception of historical events. Additionally they will compare films made in different eras to compare our changing perceptions of historical events.
Students will consider why historical films remain popular, how movies can be seen as reflections from the time they were produced as well as the time the depict, and how films can immerse us in the experience of the past in ways that written history cannot.

COLLEGE CREDIT PLUS
(High school campus offerings)

Course	High School Credit	College Credit	Prerequisite and/or Recommendation
College Algebra	1 HN	3 Semester Hours	Advanced Algebra II / TA, Math Placement Test / 25 Math ACT
College Trigonometry	1 HN	3 Semester Hours	College Algebra / TA, Math Placement Test / 26 Math ACT
General Chemistry I	1 HN	4 Semester Hours	Math Placement Test / 26 Math ACT
General Chemistry Lab I	0.33 HN	1 Semester Hours	
General Chemistry II	1 HN	4 Semester Hours	General Chemistry I
General Chemistry Lab II	0.33 HN	1 Semester Hours	
Biology I: Molecules, Cells, and the Foundation of Life	1 HN	3 Semester Hours	Math Placement Test / 22 Math ACT
Biology Lab I	0.33 HN	1 Semester Hours	
Biology II: Evolution, Physiology, and Ecology	1 HN	3 Semester Hours	Biology I: Molecules, Cells, and the Foundation of Life
Biology Lab II	0.33 HN	1 Semester Hours	
Environmental Studies I	1 HN	3 Semester Hours	
Environmental Studies II	1 HN	3 Semester Hours	Environmental Studies I

College Algebra
This course is offered through a partnership with UC - Clermont and students who qualify can earn 3 semester hours of college credit in addition to high school credit. Students will study linear, polynomial, rational, exponential, and logarithmic functions, systems of linear equations, systems of inequalities and modeling with functions. This course assumes prior exposure to these topics, and helps prepare students for the trigonometry and eventually the calculus sequence.

- It is recommended that students have an average grade of 90% or better in Advanced Math 11 to take this course.

Students must also attend the CCP informational meeting and have a Math Placement Test score of 430 or higher (or ACT MATH score of 25).

College Trigonometry
This course is offered through a partnership with UC - Clermont and students who qualify can earn 3 semester hours of college credit in addition to high school credit. This course is for students who need trigonometry for calculus and/or physics. Topics covered include right triangle trigonometry, trigonometric functions and graphs, trigonometric identities, vectors, conic sections, and polar coordinates.

- It is recommended that students have an average grade of 90% or better in Advanced Math 11 to take this course.

Students must also attend the CCP informational meeting and have a Math Placement Test score of 550 or higher or have completed the CCP College Algebra prerequisite (or ACT MATH score of 26).

General Chemistry I
This course is intended for students who expect to pursue further coursework in science or engineering. It involves the study of chemical nomenclature, stoichiometry, atomic structure, bonding theories, thermochemistry, periodic properties, solution calculations, and the gas laws.

General Chemistry Lab I
Experimental work providing hands-on experience with concepts in fundamental chemistry, including chemical nomenclature, stoichiometry, thermochemistry, solution chemistry and related calculations, chemical bonding, and the gas laws, to accompany the corresponding lecture course CHEM 1040. One laboratory period each week. The first offering of a two-part course sequence.

General Chemistry II
This course serves as a continuation of CHEM 1040 and completes a broad overview of chemistry and chemical reactions for students who expect to pursue further coursework in science or engineering. It includes the study of intermolecular forces, properties of solutions, equilibrium, chemical kinetics, thermodynamics, electrochemistry and periodic patterns of reactivity.

General Chemistry Lab II
Experimental work providing hands-on experience with concepts including the study of intermolecular forces, properties of solutions, equilibrium, chemical kinetics, thermodynamics, and electrochemistry, to accompany the lecture course CHEM1041. One laboratory period each week. The second offering of a two-part course sequence.

Biology I: Molecules, Cells, and the Foundation of Life
This course is designed for Biology majors and students whose programs require a majors' level course in biology. This course introduces the fundamental characteristics of life, from the molecular to the cellular level, with an emphasis on structure-function relationships placed in an evolutionary context. Topics covered include: chemicals of life, cell biology, bioenergetics, cell cycle, genetics, DNA replication, protein synthesis, and gene regulation.

Biology Lab I
Biology I laboratory expands upon concepts introduced in lecture, and is designed to develop a student's ability to think, work, and write like a scientist. Tools and techniques will include work with microscopes, biochemical tests, and experimental design. Co-requisite: Biol 1081.

Biology II: Evolution, Physiology, and Ecology
This course is designed for Biology majors and students whose programs require a majors' level course in biology. This course introduces the fundamental characteristics of life, from the cellular to the ecosystem level, with an emphasis on structure-function relationships placed in an evolutionary context. Topics covered include: evolution, animal form and function, plant form and function, and ecology. Prerequisite: To take this course you must: Have taken the following Courses 15BIOL102 min grade C-, or 28BIOL102 min grade C-, or 34BIOL102 min grade C-, or BIOL1081 min grade C-.

Biology II Lab
Biology II laboratory expands upon concepts introduced in lecture, and is designed to develop a student's ability to think, work, and write like a scientist. Lab topics will include evolution, plant and animal anatomy, and ecology. Co-requisite: BIOL 1082.Pre-Requisite: To take this course you must: Have taken the following Courses 15BIOL102 min grade C-, 15BIOL112 min grade C-, or 28BIOL102 min grade C-, or 34BIOL102 min grade C-, 34BIOL112 min grade C-, or BIOL1081 min grade C-,BIOL1081L min grade C-.

Environmental Studies I
This course introduces the fundamentals of environmental studies through an interdisciplinary examination of ecosystem structure and function. The course will examine human populations and societal differences in the production, use, and misuse of resources.

Environmental Studies II
This course will be an in-depth examination of selected environmental issues introduced in Environmental Studies I. The course will provide greater detail on particular environmental problems and focus on possible solutions ranging from scientific and technological approaches to policy, regulation and the law. Students will participate in the analysis of the issue(s), synthesis and integration of the available information, and problem solving activities

GRANT CAREER CENTER

Course	Grade	Credit
Allied Health	11-12	5.5
Auto Service Tech	11-12	5.5
Cosmetology	11-12	5.5
Criminal Justice	11-12	5.5
Culinary Arts	11-12	5.5
Early Childhood	11-12	5.5
Manufacturing Engineering Technology	11-12	8 CCP
Engineering Design	11-12	5.5 HN
Construction Tech	11-12	5.5
Metal Fabrication	11-12	5.5
Large Animal Science	11-12	5.5
Information Technology	11-12	5.5
Veterinary Science	11-12	5.5

Allied Health
The **Allied Health** program provides medical training for clinical health careers. This multi-disciplined program allows students to discover their strengths and interests in therapeutics, diagnostics, or medical office. Students can pursue opportunities to enter college programs and healthcare careers. Clinical training for the program occurs on campus in the medical lab, and off-site in clinical settings at local health care facilities. Students job shadow at local hospitals and medical facilities to explore a broad range of clinical health careers.

Automotive Service Tech
The **Auto Tech** instructor demonstrates to a student an engine task. The Automotive Service Technology program is NATEF/ASE certified by the National Institute for Automotive Service Excellence (ASE), and is a participating school for the Automotive Youth Educational Systems (AYES). AYES is a partnership among participating automotive manufacturers, participating local dealerships, and Grant Career Center. All participants work together to prepare and train entry-level automotive technicians.

Cosmetology
The **Cosmetology** program is a classroom-training program, plus a practical learning experience related to a variety of beauty treatments, including the care and beautification of the hair, skin, and nails. Students will be involved in the operation of Grant Career Center's Salon, which is open to the public. This two-year program allows students to complete all competencies necessary to meet the State Board of Cosmetology requirements, including the 1,500 training hours needed to be eligible to take the State Board of Cosmetology Exam. Cosmetology students must pass all competencies with a 75% or better. Students must pass all courses during their two-year program.

Criminal Justice
The **Criminal Justice** program is designed to prepare individuals to uphold the law of the State of Ohio and the Constitution of the United States. Students will learn techniques of crowd control, arresting, fingerprinting, and other police procedures. Students will learn to control stress through physical activity, and will complete fitness training as part of their program. A blend of safety, law enforcement, investigation, ethics, human relations, and equipment training offers an in-depth view into the world of criminal justice and public safety.

Culinary Arts
The **Culinary Arts** program is an exciting and fast-paced career preparation program. Students learn basic knife skills, sanitation, workplace safety, professionalism, and use of tools and equipment. Students practice communication skills, management essentials, serving standards, cooking techniques and food preparation of stocks, sauces, soups, fruits, vegetables, potatoes, grains, proteins, desserts, as well as regional and global cuisine. Throughout the program students explore a variety of career opportunities within the restaurant and hospitality field. During the hospitality portion students will practice techniques focusing on front of house procedures to include dining room layout, event planning, event set up, catering, guest experience, table set up, and customer interactions.

Early Childhood
The **Early Childhood** program prepares students for entry-level careers in childcare and preschool. Students in this program also have the opportunity to earn college credits that could be applied to further their education to earn an associates or bachelors degree in early childhood education. Students will learn about child development, childcare rules

and regulations, teaching strategies, classroom environment, guidance techniques, and developing relationships with families. Early Childhood Education students participate in hands-on training with preschool and early elementary aged children. They prepare lessons and activities and teach concepts in literacy (reading and writing) and math, science, social studies through creative and hands-on methods.

Manufacturing Engineering Technology
Manufacturing Engineering Technology is an associate's degree program through UC CLermont that encompasses all aspects of producing manufacturing goods, from design concepts to product delivery. It includes anything that is made; microscopic nanobots to Boeing 777's, pencils to dialysis machines, and contact lenses to designer jeans. Manufacturing engineering technology constantly strives to improve the equipment, processes, and materials used to produce goods as well as promoting production sustainability. MET courses are taught at Grant Career Center.

Engineering Design
The **Engineering Design** program develops the technical and academic skills necessary to communicate engineering ideas by using Computer Aided Design software on state-of-the-art equipment. This advanced study program prepares students to enter the field of Civil, Architectural, Mechanical, Electrical, or Computer Engineering Technology. Utilizing various manufacturing processes, students use CAD/CAM software to develop their designs into actual parts and products. Students complete the entire design cycle, from product inception to generating Computer Aided Machining (CAM) tool paths. After completing the design process, students machine and manufacture the final prototype product designs using the CNC Mill or CNC Lathe.

Construction Tech
The **Construction** program is NCCER accredited, and provides training in the manipulative skills necessary to obtain employment in construction/framing and finishing occupations. Credentials earned through the NCCER curriculum allow students to receive college and industry credits. Students receive in-depth, "on-the-job" experience through a two-year apprentice-training program. Instruction includes all types of wood and metal framing construction; a wide variety of exterior finishing and trim installation; interior trim and finishing; cabinet installation; and equipment care and maintenance. In addition to being trained as entry-level construction field workers, Grant Career Center students have the opportunity to earn up to 24 credit hours from Hocking College or Cincinnati State Technical and Community College. If students continue their education at Hocking College or Cincinnati State, they can continue their carpentry studies and receive an Associate Degree of Technical Studies in Carpentry/Construction Management.

Metal Fabrication
The **Metal Fabrication** program incorporates "hands-on" welding experiences with technical instruction. This program is NCCER accredited. Students who meet the requirements are placed in a school-to-apprenticeship program. The apprenticeship program is an opportunity for highly qualified students to enter a structured placement and learning experience with greater Cincinnati employers. This program initiates a continuation of learning experiences past graduation and completion of the career training certification process culminating in journeyman status for successful students. The Ohio Bureau of Apprenticeship approves the program.

Information Technology
The **Information Technology** program is one of the most dynamic career areas involving the multi-faceted IT industry. Students have the opportunity to gain both knowledge and hands-on experience with computers and networks. Students acquire the necessary skills to build, repair, and troubleshoot computers as well as installing, configuring, and troubleshooting routers, switches, and wireless networks.

Large Animal Science
The **Large Animal Science** program prepares students to enter the Large Animal/ Agriculture industry with a special focus in the Equine field. This pathway offers numerous career opportunities including animal health care, horse breeding, training, and instructing. Students learn equine breeding, genetics, and nutrition while getting hands-on experiences in English and Western horseback riding, grooming, and livestock management. Students work with horses and other animal species on a daily basis to gain the knowledge and the skills needed to work in an equine and production livestock facility or be prepared for a college education.

Veterinary Science
The **Veterinary Science** program is designed to give you a head start towards a career in the Veterinary field. Veterinary science students handle and provide care for a variety of animals on a daily basis. The basic hands-on experience gives students comfort and confidence around a variety of different animal species. In the lab setting, students learn to restrain an animal, set up laboratory samples, assist in surgery, perform grooms on customer pets and create preventative health management plans. Students also study animal behavior, medical terminology and training practices.

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, yearbook, 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.

Art Club

A club of students in grades 9-12 interested in Visual Arts. Students will participate in art activities for our club, school, and community. Members will be an integral part in the planning and preparation of the annual Kaleidoscope of the Arts.

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.

Kind Club

The purpose of KIND Club is to allow students the opportunity to experience the satisfaction of helping others while gaining an understanding of the work involved in community service and the intrinsic rewards gained. The club will organize and conduct community service activities and help promote a positive atmosphere in our school.

National Honor Society

Selected by a committee of staff members on the basis of scholarship (including a GPA of 3.7 or higher), leadership, character, and service.

Office Aides

Helping with functions in the general, guidance, athletic offices and as part of the Tech Crew

Science Club

A club composed of students interested in taking an active role in countywide 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.

Athletics

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

Athletic Aides*

Baseball

Basketball*

Bowling*

Cheerleaders

Cross Country*

Football

Golf*

Soccer*

Softball

Swimming*

Tennis*

Track*

Volleyball

Wrestling*

** Offered for both boys and girls*