



**North Royalton High School**

**Course Catalog 2020-2021**

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## PLANNING YOUR SCHEDULE

It is important for students to plan their schedules carefully and discuss their choices with their teachers, counselor and parents. Students are encouraged to consider the following:

- Have I met the graduation requirements for North Royalton High School?
- Have I selected classes to prepare me for post-high school education?
- Have I selected challenging courses appropriate to my interests and abilities?
- Do I have a four-year high school plan?
- Do I have the necessary prerequisites for the classes I want to take? (See the sequence charts for English, math, social studies, and science)
- If I am an athlete, have I checked for NCAA eligibility?

Careful planning and decision-making will make your high school experience positive as you build a solid educational foundation for the future. The number of sections offered for a course is based on student registration. PLEASE REGISTER ACCURATELY.

## COURSE LOAD REQUIREMENT

The minimum pupil load each year is 5.75 credits (not to include summer school credits).

## SCHEDULE CHANGES

### **All schedule changes must be made by May 1, 2020**

Every effort will be made to ensure that students are properly placed in classes, which they select during the registration process. Any type of schedule change has a serious effect on class size, staffing/teacher assignments, and the overall master schedule. Some courses listed in the NRHS Course Catalog may not be offered each year.

### **No changes will be made unless:**

- There is a technical error in the scheduling process
- It is determined by a team consisting of the classroom teacher, counselor, administrator, and parent that the student is academically misplaced
- Adjustments need to be made due to successful completion of summer school courses
- A student wants to add an additional course where enrollment permits and does not require movement of other courses
- A student does not have a minimum of 5.75 credits

### **Convenience changes will not be made. These include but are not limited to:**

- Changing a class or lunch period to be with friends
- Requesting a different teacher
- Requesting early dismissal or late arrival
- Requesting to drop a course because the student does not like the class or feels it might be too difficult

## Scheduling Request Guidelines for students that are part of College Credit Plus:

1. A student will only request classes at NRHS that he/she plans on taking at NRHS. A student is not allowed to drop any NRHS class he/she requested after the May 1st deadline. We strongly encourage students who plan on being part of the CCP program to complete the application/scheduling process for the college/university as early as possible to avoid conflicts.
2. If a CCP class/section is cancelled and the student must choose a different time for the CCP class, the student would choose a class that does not interfere with his/her NRHS schedule. If every CCP section available interferes with his/her NRHS schedule, the student will meet with his/her NRHS counselor to discuss options. Options will **not** include dropping the course at NRHS. Options may involve adjusting the class period of the same NRHS class to help accommodate the schedule.
3. Schedules will not be adjusted for students requesting an early dismissal or late arrival.

**\* Specific scheduling requests and requests for teachers cannot be honored.**

**Course Recommendations:** Teacher recommendations are a valuable part of appropriate course selection. Many honors and sequential courses require a teacher signature as a recommendation for enrollment in the course.

## Earning a North Royalton High School Diploma

There are three components to earning a North Royalton High School Diploma: specific course requirements, completing the Senior Portfolio and Exit Interview, and state of Ohio testing requirements.

### North Royalton High School Course Requirements

<b>English</b>		<b>4 credits</b>
<b>Fine Arts</b>		<b>1 credit</b>
<b>Health</b>		<b>1/2 credit</b>
<b>Mathematics</b>	<b>Must include Algebra 2, or equivalent</b>	<b>4 credits</b>
<b>Physical Education</b>		<b>1/2 credit</b>
<b>Science</b>	<b>biological, physical, one other</b>	<b>3 credits</b>
<b>Social Studies</b>	<b>World History, U.S. History, Government, Economics</b>	<b>3 credits</b>
<b>Electives</b>		<b>5 credits (5.5 if PE Waiver)</b>
<b>Total</b>		<b>21 credits</b>

## Senior Portfolio and Exit Interview

The Senior Portfolio and Exit Interview is a graduation requirement of North Royalton High School. The process begins as you enter your freshman year and continues through your senior year. It is designed to provide an opportunity for students to demonstrate the skills necessary to move successfully from high school to continued education or the world of work. Materials that go into the portfolio can be turned in throughout grades 9-12 and kept at the high school. The portfolio contains a resume, reference sheet, cover letter and student achievements. The student is also required to complete post high school explorations. Finally, as you prepare for graduation you will be required to present your portfolio to a Senior Exit Interview Team. This Senior Exit Interview Team consists of a panel of teachers and community members. They will determine the "Pass" or "Fail" status of your portfolio.

For more detailed information about the Senior Portfolio and Exit Interview Requirements, you can [click here](#).

State of Ohio Testing Requirements	
<a href="#">Classes of 2021 and 2022 Students who entered grade nine between July 1, 2017 and June 30, 2019</a>	<a href="#">Classes of 2023 and beyond Students entered grade nine between July 1, 2019 and June 30, 2020</a>
<b>Three Pathways</b>  <b>OR</b>  <b>Permanent Requirements</b>	<b>Permanent Requirements</b>

## State of Ohio Testing Requirements – CLASS OF 2021 AND 2022

Ohio law enacted new, permanent graduation requirements that are available for the classes of 2021 and 2022. The Department is working to update the graduation webpages and will communicate – as soon as possible – the recent changes to Ohio’s state testing and graduation requirements. Please visit the Ohio Department of Education website for the most updated information regarding graduation requirements. [link to: ODE website-graduation requirements](#)

## Option 1: Meet one of the following options:

1. **Ohio's State Tests** - Earn 18 out of 35 points on seven end-of-course state tests. You can earn up to five points on each test. You need a minimum of four points in math, four points in English language arts and six points across science and social studies.
2. **Industry-recognized credential and score on workforce readiness test** - Earn an industry-recognized credential or a group of credentials totaling 12 points and earn the required score on the WorkKeys test. Ohio pays for you to take the test one time. Some districts offer the Senior Only Program through which you can earn credentials in one school year.
3. **College and career readiness tests** - Earn remediation-free scores\* in math and English language arts on the ACT or SAT. Your district chooses either the ACT or SAT. You will take a one-time statewide spring test in grade 11 for free. *\*Ohio's university presidents set these scores, which are subject to change.*

## Option 2: Satisfy the new graduation requirements for the classes of 2023 and beyond by:

1. **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 or military enlistment.
2. **Demonstrating Readiness** - Students will demonstrate readiness for their post-high school paths by earning two seals that allow them to demonstrate and develop the following: leadership, reasoning and professional skills well-rounded academic and technical knowledge and key social and emotional competencies.

## Graduation Requirements-CLASS OF 2023 AND BEYOND

State law introduced new, permanent graduation requirements for students in the class of 2023 and beyond (listed below.) Students entering ninth grade after July 1, 2019, must meet the **new requirements** outlined in state law. (Ohio Department of Education staff is working to update the graduation webpages and guidance documents. Please check back often.)

**1. Demonstrate Competency:** Students must demonstrate competency in math and English by passing the state's Algebra I and English II tests. Students who have taken required tests more than once without passing and have received remedial support are able to show competency through one of the options below:

- Earn credit for one math and/or one English course through College Credit Plus;
- Demonstrate career readiness and technical skill through foundational and supporting options;
- Enter into a contract to enlist in the military upon graduation.

**2. Preparation for College or Careers:** Students must earn two diploma seals, one of which must be state defined, to demonstrate academic, technical and professional readiness for careers, college, the military or self-sustaining professions.

<b>State System of Diploma Seals</b>	
<a href="#">OhioMeansJobs Readiness Seal</a>	<a href="#">Honors Diploma Seal</a>
<a href="#">State Seal of Biliteracy</a>	Technology Seal
Industry-Recognized Credential Seal	Citizenship Seal
College-Ready Seal	Fine and Performing Arts Seal (locally defined)
Military Enlistment Seal	Student Engagement Seal (locally defined)
Science Seal	Community Service Seal (locally defined)

*\*It is important to note that a number of the criteria for the newly passed graduation requirements are currently under development and more information will be available soon. [Ohio Dept. of Education](#)*

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### **Magna and Summa Cum Laude Designations and Class Rank**

It is the philosophy of North Royalton High School that all students will have the opportunity to achieve top honors.

#### **Magna Cum Laude**

Seniors who achieve a GPA of 4.000 - 4.199 after eight semesters will graduate with the distinction of Magna Cum Laude.

#### **Summa Cum Laude**

Seniors who achieve a GPA of 4.2 or higher after eight semesters will graduate with the distinction of Summa Cum Laude.

#### **Honors Recognition Event**

All seniors who have achieved a 4.0 or higher at the end of the seventh semester will be invited to the annual honors recognition event.

#### **Class Rank**

North Royalton High School does not rank.

## OHIO HONORS DIPLOMAS

### What is an Honors Diploma?

High school students can gain state recognition for exceeding Ohio's graduation requirements through an honors diploma. Students challenge themselves by taking and succeeding at high-level coursework and in real-world experiences.

Ohio students have the opportunity to choose to pursue one of six honors diplomas. Each honors diploma listed below is also a link to specific criteria.

1. [Academic Honors Diploma](#) (*most common with NRHS students*)
2. [International Baccalaureate Honors Diploma](#) (*NRHS does not offer this program*)
3. [Career Tech Honors Diploma](#)
4. [STEM Honors Diploma](#)
5. [Arts Honors Diploma\\*](#)
6. [Social Science and Civic Engagement Honors Diploma](#)

\*Includes dance, drama/theatre, music and visual art.

To see a complete, side-by-side comparison of all honors diplomas, please click on the following: [Link: Ohio High School Honors Diploma](#)

## SPECIAL PROGRAMS

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### ADVANCED PLACEMENT COURSES

English Lit & Composition	Physics 2	U.S. History
Calculus AB	Macroeconomics	French Language
Calculus BC	Microeconomics	Spanish Language
Statistics	Psychology	Computer Science Principles
Physics 1	U.S. Government and Politics	Computer Science A

Advanced Placement (AP) courses are part of a program of college-level courses and exams that give high school students the opportunity to receive credit and/or advanced placement in college. Students enrolling in AP courses should expect to develop analytical reasoning skills and study the subject matter in great depth. Approval for enrolling will be based on student ability, past performance, teacher recommendation, and prerequisite courses. Advanced Placement courses, because of their academic rigor, are assigned a weighted grade. All students enrolled in AP classes are required to take the AP exam, which is approximately \$94.00. Completion of summer assignments may be required. AP courses cannot be dropped once a student is registered.

## HONORS COURSES

Anatomy & Physiology  
 Biology I  
 Biology II  
 Chemistry I  
 Chemistry II

English 9  
 English 10  
 English 11  
 Shakespeare  
 Algebra II/Trigonometry  
 Geometry

Pre-Calculus  
 World History  
 Spanish III and IV  
 German III and IV  
 French III and IV

Students enrolling in honors courses should expect to develop analytical reasoning skills and study the subject matter in greater depth. Honors courses, because of their academic rigor, are assigned a weighted grade. Teacher recommendation is required for all honors courses. Honors courses cannot be dropped once a student is registered.

## COLLEGE CREDIT PLUS ON-SITE

North Royalton High School will offer college courses at the high school through the College Credit Plus Program. Course availability is subject to change from year to year and may not be listed in the course catalog. If you are interested in taking college-level courses at the high school, you must follow the guidelines for the College Credit Plus Program and be accepted into the program. Students must attend a CCP informational session every school year or complete an alternate informational assignment.

As of print time, the following college courses will be offered at the high school:

College Composition I  
 College Composition II

Introduction to Poetry  
 Introduction to Fiction

American National Government

## WEIGHTED GRADES AND GRADE POINT AVERAGES

Currently, a student's GPA is calculated using the following grading scale and weighted grades:

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 59 and below

	College Prep/ General Curriculum	Honors Course	AP Course	*CCP Course
A	4	4.5	5	5
B	3	3.5	4	4
C	2	2.5	3	3
D	1	1.5	2	2
F	0	0	0	0

\*CCP Courses in Computer Science, English, Math, Science, Social Studies and World Languages will be weighted the same as AP.

## COLLEGE CREDIT PLUS PROGRAM

### WHAT IS THE COLLEGE CREDIT PLUS PROGRAM?

The College Credit Plus Program (CCP) allows Ohio high school students to earn college credit while in high school. The successful completion of college courses also counts towards high school graduation credits. CCP is open to 7th through 12th grade students enrolled in the state's public and nonpublic high schools. The purpose of the program is to promote rigorous academic pursuits and expose students to options beyond the high school classroom.

An informational meeting is held every year at North Royalton High School and representatives from local colleges are invited. Each college/university has established admission criteria and course registration procedures which high school students must follow. Students and parents must inform the high school administration by April 1, 2020, of their intent to participate in CCP for the upcoming school year.

### WHO IS ELIGIBLE?

If you are a resident of Ohio and a student in the 7th through 12th grade, you may be eligible. Families were required to attend a CCP informational session at the high school on January 9th at 7:00 PM or complete an alternate assignment regarding the program. This will include topics such as eligibility as well as the risks and rewards of CCP.

### WHAT ARE THE ADVANTAGES OF THE PROGRAM?

- Expands the curriculum available to students
- Ability to take college courses without leaving the high school
- Provides opportunities for students to study those areas of special interest
- Allows students to earn college credit and high school credit
- Provides financial support for taking college courses
- Allows students to experience college-level work prior to making a final college selection

### WHAT ARE THE POTENTIAL RISKS OF THE PROGRAM?

- Possible inability to complete the public school's graduation requirements
- Obligation of the student's family to reimburse the school for the amount of funds paid to the college for any courses that are failed or dropped after the deadline
- Poor grades impact high school and college GPA
- Low college GPA may impact future financial aid eligibility
- Increased independence and accountability for learning
- Since FERPA laws limit their communication to only the students, parents may not be aware of poor progress or attendance
- Reduced opportunities for participating in high school activities
- **No guarantee that the college courses will be scheduled at the desired time—NRHS schedule will not be changed mid-semester to accommodate CCP**
- College courses taken may not transfer to another post secondary institution
- Social discomfort may be experienced due to being in class with others of different age groups
- Increased travel time and study time / travel during the winter months
- Adjusted bell schedule days at NRHS may affect college course schedule
- Participation in CCP may affect high school/college athletic eligibility—students are responsible for scheduling credits which meet OHSAA/NCAA guidelines
- Difficulty finding a teacher who knows you well enough to write a college letter of recommendation
- Probation or Dismissal from CCP for underperforming in CCP courses.

**WHEN SHOULD I APPLY?** — After students and families attend the CCP informational session or complete the alternate assignment, students should begin the CCP process AS SOON AS POSSIBLE.

### **CREDIT FLEXIBILITY**

Credit Flexibility is designed to increase curricular options available to students, increase the depth of study available for a particular subject and tailor the learning time or conditions needed to complete a high school diploma. See your School Counselor for additional information. Applications are online at [Credit Flexibility Application](#)

### **OTHER WAYS TO EARN COLLEGE CREDIT WHILE IN HIGH SCHOOL**

- AP Courses-Typically, a score of 3 on an AP exam will earn a student college credit. NRHS offers 14 AP courses
- Students can earn numerous college credits from most programs offered at Cuyahoga Valley Career Center

### **SCHEDULE PLANNING FOR SPECIAL NEEDS STUDENTS**

Students who are identified as having special educational needs should meet with their case manager to select appropriate classes. Classes will be finalized during the IEP meetings held in the spring.

### **CUYAHOGA VALLEY CAREER CENTER ENROLLMENT**

The Cuyahoga Valley Career Center program is an extension of North Royalton High School. Students who wish to enroll in a two-year program at CVCC must submit a separate application during the registration process of their sophomore year. Students accepted into a career center program continue to attend NRHS for their academic courses. [LINK to: CVCC online application](#)

### **MISCELLANEOUS INFORMATION**

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#### **COLLEGE ENTRANCE RECOMMENDATIONS - with the following minimum requirements**

The Ohio Department of Education and the Ohio Department of Higher Education recommend a college preparatory program which should include the following minimum requirements:

English	4 Credits	Science	3 Credits
Mathematics	4 Credits	World Languages	2 Credits
Social Studies	3 Credits	Fine Arts	1 Credit

The requirements for admission to selective colleges may include more academic credits in each course of study than the minimum suggested. Students are encouraged to check with the university of their choice regarding college entrance criteria.

## **NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) REQUIREMENTS**

Students who plan to participate in Division I or Division II athletics in college must be certified by the NCAA Initial-Eligibility Clearinghouse. There are specific requirements regarding grade point average, approved coursework, and test scores. Students who plan to participate in athletics at the college level are advised to contact their counselor about NCAA approved courses. Additional information is available at [NCAA Clearinghouse](#)

## **ATHLETIC ELIGIBILITY**

To participate in interscholastic events, a participant must be ruled eligible by the Ohio High School Athletic Association. Eligibility regulations require participants to be passing a minimum of 5 units of credit toward graduation the preceding grading period and to have earned a minimum of 1.0 GPA the preceding grading period. Students entering ninth grade must have passed a minimum of five classes the preceding grading period and have earned a 1.0 GPA or higher. It is important to schedule at least 5 full credits per semester. Physical Education courses do not count towards the 5 full credits. Midterms, final exams, and summer school grades do not qualify toward eligibility credits. Students are responsible for verifying that he/she meets all eligibility requirements for participation in athletics. Students are only eligible for eight (8) consecutive semesters of eligibility. Additional information is available at [OHSAA Athletic Eligibility](#)

## **FEES**

Class fees for materials, workbooks, class dues, and agenda/planner will be invoiced to students and parents. In several courses additional materials for projects may be expected to be purchased by students on their own at different times throughout the course. Fees will be mailed home by October 1st. Fees are subject to change due to unforeseen or drastic increases in supply or workbook costs.

## **SUMMER SCHOOL / CREDIT RECOVERY**

All Credit Recovery courses must have approval of a school counselor. Only courses which have been failed, are recommended for summer school.

# ART

- 701 Art Foundations
- 702 Drawing
- 704 Painting
- 706 Ceramics
- 708 Crafts
- 709 Digital Photography and Design
- 711 Sculpture
- 712 Studio Art I
- 713 Studio Art II
- 714 Studio Art III
- 715 Studio Art IV

## Art Department Course Levels & Prerequisites

Level	Focus	Prerequisites
Level 1	Art Foundations Crafts	<ul style="list-style-type: none"> <li>• No Prerequisite</li> <li>• Crafts is not a prerequisite for any other course</li> </ul>
Level 2	<b>2D Courses:</b> Drawing Painting Digital Photography and Design	<ul style="list-style-type: none"> <li>• Prerequisite: Art Foundations</li> </ul>
	<b>3D Courses:</b> Ceramics Sculpture	
Level 3	Studio Art (I - IV)	<ul style="list-style-type: none"> <li>• Prerequisite: Open to students who have passed Art Foundations, one 2D course, and one 3D course.</li> <li>• Art Department Approval Required.</li> </ul>

### Art Foundations - 701

**Course Length:** semester

**Credits:** .5

**Open to Grades:** 9-12

This class has it all! You can draw, paint, work in clay and more! Art Foundations is the foundational class for all other Art classes. This means in order to take other Art classes during high school, you need to take this prerequisite first. This is our beginning course. Projects in Art Foundations will focus on helping you learn and develop solid art techniques, and guild on good design practices. This class was created with a choice based approach just for you! Start here and see all the fun that Art really is. **Course Fee: \$26.00**

### Drawing - 702

**Course Length:** semester

**Credits:** .5

**Open to Grades:** 9-12

**Prerequisite:** Art Foundations

Do you find yourself doodling in other classes, or do you just really want to figure out how to draw better? If so, then Drawing is probably for you! Learn various techniques and methods that will help you make more successful drawings.

Work from observation, from other images, and create a few things on your own. Students will usually draw with dry media (pencil, ink, pastels, colored pencils, chalk, charcoal, scratchboard and more) in a variety of sizes, in black, white and color. Over this course observational skills are further developed by working in realistic styles while incorporating student interests and ideas. There is so much more you can do! **Course Fee: \$26.00**

**Painting - 704**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 9-12**  
**Prerequisite: Art Foundations**

Color is cool in painting (it's actually warm too)! Learn how to work in a variety of paint media including tempera, acrylic, and watercolor paints over the semester. This course will expand on your painting experiences from Art Foundations, and apply color theory principles and design techniques to new projects you've never tried before. Subjects include landscapes, portraiture, figures, still life, and abstract concepts. Come join the fun! **Course Fee: \$46.00**

**Ceramics - 706**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 9-12**  
**Prerequisite: Art Foundations**

Did you enjoy working with clay in Art Foundations? Then Ceramics is the course for you. We work in clay the entire semester! Take handbuilding techniques of pinch, coil, and slab much further to make usable functional art. Try a spin on our pottery throwing wheels, or explore sculptural techniques. Students will be expected to be able to sketch out ideas for each project. **Course Fee: \$26.00**

**Crafts - 708**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 9-12**  
**Prerequisite: Art Foundations**

This course will introduce students to the practical application of fine arts crafting. Project concepts will reflect popular crafting trends. Materials explored will include painting, fiber arts, glass, crafts, mixed media, and more. The historical aspects of each medium will be investigated as well. **Course Fee: \$46.00**

**Digital Photography And Design - 709**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 9-12**  
**Prerequisite: Art Foundations**

Introduce yourself to digital photography and imaging through the use of digital SLR cameras and the Adobe Photoshop computer program. Design theory and photo manipulation will be explored throughout the semester. Students may borrow photo equipment from the art department or utilize their own SLR camera. **Course Fee: \$21.00**

\*Students may take Digital Photography and Design twice during their high school career. Assignments will differ each time the class is offered.

**Sculpture - 711**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 9-12**  
**Prerequisite: Art Foundations**

Create art in 3D! Make three dimensional artwork out of metal wire, clay, plaster, paper, cardboard, plastic, and much more. Design individual works, assemblages, and even installations. If you like to work with your hands and enjoy problem solving, this is a class for you! Come have some fun. **Course Fee: \$26.00**

**Studio Art (1-4) - 712, 713, 714, 715**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 11-12**  
**Prerequisite: One 2D art course and one 3D art course; departmental approval**

Studio is the highest level of art at North Royalton. So, if you want to be the best, or you just want a new art challenge, check out the studio experience! Whether you like 2D, 3D, or digital art this is the class for you. In studio, you can work independently, make your own choices, develop your own ideas, and have a little more freedom to pursue your own creative path. A strong work ethic, and a commitment to work completion is expected. Studio may be taken up to four semesters. Art department approval is required. **Course Fee: \$36.00**

# BUSINESS TECHNOLOGY

- 404 Building Your Brand
- 408 Personal Finance
- 409 Entrepreneurship
- 410 Accounting
- 412 Sports & Entertainment Management

**Building Your Brand - 404**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
Do you want to brand yourself using social media (TikTok, Instagram, Twitter, etc.) and other online digital tools? Do you want to show prospective employers and colleges that you are fluent in digital collaboration tools? In this course, students will explore and use digital productivity, creation and collaboration tools. Students will build a stronger resume and gain the necessary skills to be college and career ready. Students will be engaged in Google Applications, among other tools, to complete real-world, project-based assignments, culminating in a Professional Digital Portfolio. Applied Digital Skills will cover a wide range of Google applications and students will be able to use their creative talents to build their brand. There will be an option to become G-Suite certified. **Course Fee: \$3.00**

**Personal Finance - 408**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
Personal finance will prepare students to be financially and legally independent. Units to be studied will include career choices, financing college, employment, paychecks & deductions, checking & savings accounts, investments, credit cards, budgeting, insurance (life, health, auto and home), retirement, taxes, loans, purchasing a car and a home. Students will also learn about the legal documents that pertain to everyday life: contracts (apartment leases, insurance contracts, credit applications, mortgages, auto financing, etc.) employment, consumer law and wills and estates. **Course Fee: \$3.00**

**Entrepreneurship - 409**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
The focus of this course is to provide students with the foundation to own and operate their own business. Many of the day to day factors of owning a business will be explored: types of business ownerships, finance, production, insurance, marketing, human resources, business operations, financial management, legal and ethical obligations as well as developing a business plan. Legal aspects of operating a business will be included. Students will also learn computer application skills to run their business using Google products. An interactive program Virtual Business will be used to reinforce concepts learned. **Course Fee: \$3.00**

**Accounting - 410**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 10-12**  
Students who plan to major in Business or Finance in college will benefit from this course. Students will learn and apply acceptable accounting principles of the accounting cycle, use special journals and prepare employee payroll and employer payroll taxes. Students will prepare journals, ledgers and financial statements on paper and on the computer. **Course Fee: \$3.00**

**Sports & Entertainment Management - 412**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
Students who plan to major in Sports Management in college will benefit from this course. Students will learn about the following topics: leadership, finance, product, management, human resource management, information management, legal and ethical issues, customer relations, sales, managing changing situations and career development. Students will use their creativity to manage their own sports teams and events. A simulation program will be used to reinforce concepts learned. **Course Fee: \$3.00**

# ENGLISH

012	English 9
012H	Honors English 9
021	English 10
021H	Honors English 10
031	English 11
032H	Honors English 11
041	Composition
042	Composition Through Film
044H	Honors Shakespeare
045	Literature of the Human Experience
046	Exploring Truths in Nonfiction
047	Literature of Social Change
048	Science Fiction
051	AP English Literature and Composition
061	Creative Writing I
068	Creative Writing II
062	Introduction to Theatre
063	Broadcasting
064	Journalism
065	Speech and Debate
066	Reading for Pleasure
067	ACT Prep
ENG 161 NR	College Composition I*
ENG 162 NR	College Composition II*
ENG 255 NR	Introduction to Fiction*
ENG 257 NR	Introduction to Poetry*

*\*(college-level courses) Students may select one or more of these classes during all-school course registration but will be removed at the end of May if they are not accepted into the College Credit Plus program.*

## English 9 - 012

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9**

This exploration in literature course focuses on writing, grammar/mechanics, fiction and nonfiction reading, and an integrated study of writing and literature. Vocabulary development will be emphasized as well as different types of paragraphs and compositions. Library skills, use of databases and Internet will be taught in conjunction with an in-depth research paper. Summer reading required. **Course Fee \$2.00**

## Honors English 9 - 012H

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9**

**Prerequisite: Teacher Recommendation**

This exploration in literature is a rigorous and in- depth Honors course. This course is designed for the student with exceptional interest and ability in English. The student must possess a willingness to accept a large share of responsibility in the academic process. Although several novels will be different, topics include all those studied in English 9 and require a deeper analysis and application of content. This honors course is required for those who plan to take Honors English 11 in the junior year and AP English is the senior year. This honors course cannot be dropped once the student is registered. Summer reading required. *Honors English 9 is a prerequisite for AP U.S. History.* **Course Fee: \$2.00**

**English 10 - 021**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 10**

**Prerequisite: English 9**

This English 10 course is an integrated reading and writing course. Some works of literature included in this course are *The Crucible*, *To Kill a Mockingbird*, *Fahrenheit 451* and *Of Mice and Men*. Critical reading of American short stories, poetry and essays will be included. This course also includes the development of vocabulary, usage and punctuation skills, and a brief introduction to the MLA research paper. Summer reading required. **Course Fee: 2.00**

**Honors English 10 - 021H**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 10**

**Prerequisite: Honors English 9 or Teacher Recommendation**

Some works of English 10 included are *The Scarlet Letter*, *Ethan Frome*, *The Red Badge of Courage*, *Grapes of Wrath*, *The Great Gatsby*, *A Separate Peace* and *Death of a Salesman*.

This English 10 course emphasizes critical reading of American short stories, essays and drama. Literary analysis, persuasion, and comparison/contrast will be emphasized in the 4-5 compositions per grading period. Grammar focus will be on syntax. Extensive vocabulary development through literature will be stressed. A brief introduction to the MLA research paper is included. This course is required for those who plan to take English 11 in the junior year and AP English in the senior year. Teacher recommendation is suggested. Summer reading required. **Course Fee: \$2.00**

**English 11 - 031**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 11**

**Prerequisite: English 10**

This course includes sessions devoted to improving vocabulary and root word recognition. One quarter is spent writing a persuasive research paper. Fundamental speaking skills are developed in quarterly speeches including oral interpretation, personal experience, and persuasion. The remainder of the year is devoted to the study of informational texts, poetry and multiple novels with an emphasis on writing in response to literature. Summer reading required. **Course Fee: \$2.00**

**Honors English 11 - 032H**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 11**

**Prerequisite: Honors English 10**

Honors English 11 is a survey course which focuses on poetry, but addresses drama, novels, and works of nonfiction. This course includes the study of works by Chaucer, Shakespeare, Milton, and other major British authors. The historical influence and evolution of English 11 are also studied. The focus of the course is on comprehension of the literature, the literary techniques used by authors, and how British history impacted its literature. A segment of the course is devoted to writing a persuasive research paper and developing fundamental public speaking skills. Honors English 11 is a prerequisite for AP English Literature and Composition. Summer reading required. **Course Fee: \$2.00**

## **ENGLISH 12**

Seniors who are not taking AP English must take Composition or Composition Through Film and one of the following semester literature courses: Honors Shakespeare, Literature of the Human Experience, or Exploring Truth in Non-Fiction, Literature of Social Change or Science Fiction

**Composition - 041**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 12**

**Prerequisite: English 11 or Honors English 11**

Senior Composition provides students with a workshop environment in which to develop skills in expository writing. Special attention will be given to the writing process and revision strategies for improving writing quality. **Course Fee: \$2.00**

**Composition Through Film - 042**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 12**  
**Prerequisite: English 11 or Honors English 11**

This semester-long writing course will provide students with a workshop environment in which to develop skills in expository writing such as comparison/contrast, causal analysis, and persuasion (argument). However, rather than self-selected topics, the basis of the essays will come from instructor-selected films. A main focus will be active analysis rather than passive viewing of the films. Just as in the Composition course, attention will be given to the writing process

and revision strategies to improve writing quality. **Course Fee: \$2.00**

**Honors Shakespeare - 044H**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 12**

**Prerequisite: English 11 or A-B average in English 11 and teacher recommendation**

Honors Shakespeare is a course that presents six of Shakespeare's most accessible plays, both comedies and tragedies, and includes a study of the Elizabethan theatre and biographical material. The goal is to provide an approach to understanding the language of the plays through oral reading and some independent exercises. Summer reading required

**Course Fee: \$2.00**

**Literature of**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 12**

**Human Experience - 045**      **Prerequisite: English 11 or Honors English 11**

The study of fiction is the main focus in the course. Through reflection on modern novels, classic plays, and short stories, students will discuss themes such as loyalty, justice, discrimination, and moral conflicts. Non-fiction and poetry selections will also complement the readings. Summer reading required. **\$2.00**

**Exploring Truths**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 12**

**In Nonfiction - 046**      **Prerequisite: English 11 or Honors English 11**

Nonfiction is a course in which students will read about real events and discuss and respond to the books' meanings. The memoirs, essays, and short stories are divided into multiple subcategories including comedy, travel, politics, gender, and environmental studies. Topics are relevant to issues that currently affect students' lives. The history of the genre and philosophical difference between "truth" and "fact" are also studied. Summer reading required. **Course Fee: \$2.00**

**Literature of**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 12**

**Social Change - 047**      **Prerequisite: English 11 or Honors English 11**

Students will study people and books that empowered societies to invoke social change. Books will look at movements across the globe with an emphasis on how students themselves can become agents of social change to influence the world for the better. Summer reading required. **Course Fee: \$2.00**

**Science Fiction - 048**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 12**

**Prerequisite: English 11 or Honors English 11**

Students will utilize science fiction novels, short stories, and various forms of media to analyze current topics such as the environment, war, social issues, technology, and utopias. There will be a particular emphasis on the "what if" notion and how it applies to the genre. Students will also have the opportunity to learn philosophy and its application to the literary works. Summer reading required. **Course Fee: \$2.00**

**AP English Literature**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 12**

**And Composition - 051**      **Prerequisite: Honors English 10, Honors English 11 and Teacher Recommendation**

The Advanced Placement course is an introductory college-level class. The course has an emphasis on the study of the classics and in-depth analysis of reading as well as an emphasis on responding to literature through writing. A few supplementary textbooks may have to be purchased. Completion of a summer reading assignment and the AP exam are required. This AP course cannot be dropped once the student is registered. **Course Fee: \$2.00, Exam Fee: \$94.00**

**College Composition I -**      **Course Length: semester**      **Credits: 1.0**      **Open to: CCP Accepted**

**ENG 161 NR**

**Students**

**Prerequisite: Admission into the College Credit Plus Program and application to Lorain County Community College**

An introduction to fundamental college-level skills in academic reading and writing. Summary, analysis, synthesis, and research documentation are emphasized, along with critical thinking and collaborative learning. **This college course is taught at North Royalton High School.**

**College Composition II - ENG 162 NR**      **Course Length: semester**      **Credits: 1.0**      **Open to: CCP Accepted Students**

**Prerequisite: Admission into the College Credit Plus Program and application to Lorain County Community College, ENG 161 NR**

A writing course continuing the practice of skills introduced in College Composition I, as well as strategies of argumentation and secondary research leading to a research paper. **This college course is taught at North Royalton High School.**

**Introduction to Fiction - ENG 255 NR**      **Course Length: semester**      **Credits: 1.0**      **Open to: CCP Accepted Students**

**Prerequisite: Admission into the College Credit Plus Program and application to Lorain County Community College, ENG 161 NR**

Study of short stories and novels to acquaint the general student with important themes and critical perspectives applicable to fiction. Humanities Core Course. **This college course is taught at North Royalton High School.**

**Introduction to Poetry - ENG 257 NR**      **Course Length: semester**      **Credits: 1.0**      **Open to: CCP Accepted Students**

**Prerequisite: Admission into the College Credit Plus Program and application To Lorain County Community College, ENG 161 NR**

Designed to help students understand and appreciate poetry through intensive study of representative poems. Humanities Core Course. **This college course is taught at North Royalton High School.**

#### **ELECTIVE ENGLISH COURSES-**

**Creative Writing - 061**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 10- 12**

This course is for students who wish to create their own works of literature, including poetry, fiction, and non-fiction. Students will also have the opportunity to be involved with the school literary magazine, *Inkwell*. **Course Fee: \$2.00**

**Creative Writing II - 068**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 10- 12**

This course is for students who want to build upon the skills learned in CWI, expanding into new styles of writing poetry, fiction, and non-fiction. Students will also have the opportunity to be involved with the school literary magazine, *Inkwell*. **Course Fee: \$2.00**

**Introduction to Theatre - 062**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 12**

This course will introduce students to the dramatic arts. Students will participate in performance- based activities to gain proficiency in script analysis, improve cooperative skills, advance understanding of theater (as an art both on and off-stage, including production design), and to build knowledge of theatre and its cultural impact. Introduction to Theatre qualifies as a Fine Art and may be used toward that requirement. **Course Fee: \$2.00**

**Broadcasting - 063**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 12**

This course is designed for the student who is interested in learning the basic techniques of broadcast journalism. The course will provide an orientation to equipment used in a broadcast studio. Aspects of video production that are covered include video camera operation, microphone selection and usage, lighting, audio and video mixing and video editing. This course provides students with the hands-on-experience of producing the daily morning announcements in a news program format. **Course Fee: \$5.00**

**Journalism - 064**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 12**

This course is designed for the student who wants practice in written communication. The areas of study will include journalism ethics, laws and libel, generating news and feature stories, interviewing, advertising sales, writing editorials, designing a column, sports writing and photojournalism. Publication design will be studied as well as copy editing and production. *The Royal News*, North Royalton High School's newspaper, will be produced in this class. **Course Fee: \$2.00**

**Speech and Debate - 065**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 12**  
This course is designed to give the student the basics needed for good public speaking and debate. This course stresses fundamental speech skills and techniques. Organizational and outline skills will also be covered. Students will give speeches to inform, to persuade and to demonstrate. All facets of good public speaking will be covered. Students will also learn the basics of debate, exploring how to support their own case, counter their opponents and defend their own.  
**Course Fee: \$2.00**

**Reading for Pleasure - 066**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 12**  
In this course, YOU choose the books you read. The purpose of this course is to explore different genres of writing and find the books that you just can't put down. Students will read multiple books during the semester. The first book will be chosen by the teacher for modeling of reading strategies; the following books will be selected by students enrolled in the section. Selections may include classic novels, current fiction, poetry, young adult fiction, non-fiction, and drama. Grades will be determined by assessments such as large and small-group discussions, journal responses, oral presentations, and projects. Each student will be responsible for obtaining his/her own books either through a library or private purchase. **Course Fee: \$2.00**

\*Students may take Reading for Pleasure twice during his/her high school career. The reading selections will differ each time the class is offered.

**ACT/College Preparatory English Skills - 067**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 12**  
This course focuses on college preparedness in reading and writing. Emphasis will be placed upon ACT skills, college-level grammar, and vocabulary. Students will also develop college essays and conduct college and scholarship searches. Students will practice timed writing, critical thinking and grammar exercises. **Course Fee: \$2.00**

## English Flow Chart

English Flow Chart			
			<b>Electives</b>
Grade 9	English 9	Honors English 9	Broadcasting Journalism Introduction to Theatre ACT Prep/ English Skills Speech and Debate Reading for Pleasure
Grade 10	English 10	Honors English 10	ACT Prep/ English Skills Speech and Debate Reading for Pleasure Creative Writing I Creative Writing II Broadcasting Journalism Introduction to Theatre
Grade 11	English 11	Honors English 11 College Composition I Introduction to Fiction	ACT Prep/ English Skills Speech and Debate Reading for Pleasure Creative Writing I Creative Writing II Broadcasting Journalism Introduction to Theatre
Grade 12	Composition Through Film Composition Literature of Human Experience Honors Shakespeare Exploring Truths in Nonfiction Science Fiction Literature of Social Change	AP English Literature College Composition II Introduction to Poetry	ACT Prep/ English Skills Speech and Debate Reading for Pleasure Creative Writing I Creative Writing II Broadcasting Journalism Introduction to Theatre

**IF CHOOSING CCP ENGLISH, TAKING COURSES THE WAY IT IS SUGGESTED ABOVE OFFERS STUDENTS EXPOSURE TO BOTH WRITING AND LITERATURE IN ONE YEAR.**

# FAMILY AND CONSUMER SCIENCE

- 521 **Introductory Foods**
- 522 **Creative Cooking**
- 523 **Sports Nutrition and Wellness**
- 524 **International Cuisine**
- 525 **Meals Made Easy**
- 535 **Parenting & Child Development**
- 540 **On Your Own**

**Introduction to Foods - 521**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 10**  
Beginner cooks, here's a course for you! This is a beginning course in selecting and preparing nutritious foods that center around the Food Guide Pyramid (My Plate). You will learn a variety of quick and easy cooking and baking techniques while preparing food products in your lab. This course is a prerequisite for Creative Foods and International Cuisine. Students are required to bring in 2 staple items from a provided list. **Course Fee: \$35.00**

**Creative Cooking - 522**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 12**  
**Prerequisite: Introduction to Foods or Meals Made Easy**  
Show off your creative cooking talents by learning how to make more difficult and delicious food products. You will also explore the aesthetics of presenting food and etiquette in eating food. This class touches on nutrition and wellness and how choosing the right foods can lead to a healthy life. Creative Cooking gives you the opportunity to develop your culinary skills, prepare foods, discover new equipment, learn how to use a variety of kitchen tools, and demonstrate safe food handling practices in the kitchen environment. Lots of hands-on learning will take place through demonstrations and lab experiences. Students are required to bring in 2 staple items from a provided list. **Course Fee: \$35.00**

**Sports Nutrition and Wellness - 523**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 10- 12**  
Concerned about diet, exercise, or your best athletic performance? This course will help develop eating habits that will help turn in your best performance in athletics and daily life by learning current nutritional information as it relates to total health and fitness. The course explores health exercise programs, sports nutrition, current health issues, dietary guidelines, body composition, and safe and effective weight loss. You will become more aware of the control you have over your life relating to personal diet, exercise and wellness choices. You will develop skills in selecting recipes and healthy food preparations. A student does not have to be in a sports program to benefit from this class. **Course Fee: \$35.00**

**International Cuisine - 524**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9- 12**  
**Prerequisite: Introduction to Foods, Meals Made Easy or Sports Nutrition**  
Grab your passport! We are going on a global foods tour. You can start your travels in our kitchens by exploring the meals, ingredients, and cooking styles enjoyed in different countries. We're all part of one global family and a great way to learn about other countries is through food. Use time management strategies, decision-making skills and multi-cultural awareness to advocate a healthy lifestyle. Pack your suitcase and embark on this exciting adventure! **Course Fee: \$35.00**

**Meals Made Easy - 525**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 11- 12**  
Will you be out on your own soon? Do you want to learn how to take care of the only body you will ever have? This course helps prepare students for life after high school. In this cooking class, you will learn how to prepare mouth-watering meals in minutes, using just a few shortcuts. Students will learn food preparation skills, how to manage kitchen resources, demonstrate safe food handling practices and prepare and plan for the purchase of nutritional food

(grocery shopping, using money saving coupons and sale fliers). Crock pot cooking, indoor electric grills, microwaves, and other time- saving equipment will be used. Students are required to bring in 2 staple items from a provided list.

**Course Fee: \$35.00**

**Parenting and Child  
Development - 535**

**Course Length: semester**

**Credits: .5**

**Open to Grades: 10- 12**

How do effective parents guide, influence and discipline their children? How can you become an effective parent or caregiver? When is the right time for you to become a parent? How do children grow, think, and learn? How does the female body change during pregnancy? What happens during birth? How do you care for an infant? Learn the answers to these and other relevant parenting questions in this course. Students will participate in the “Real Care Baby” simulator project for 1 week, use the “Empathy Belly” for a day as well as complete other hands-on activities. **Course Fee: \$10.00**

**On Your Own - 540**

**Course Length: semester**

**Credits: .5**

**Open to Grades: 11- 12**

Are you planning to be on your own soon? What does Adulting really mean? Do you know how to Adult? This course is designed to help prepare seniors with life after high school. Students will develop skills to understand and cope with personal, family, and social challenges, while getting to better understand themselves and their values and life goals. Emphasis is placed on communication, teamwork, problem solving skills, decision-making skills, and building stable relationships with family and peers. Students will explore finance management, career exploration, basic car maintenance, clothing repair and basic needs, and housing basics. This course includes lots of hands-on projects including simple mending/sewing, and a “no-sew” blanket. **Course Fee: \$40.00**

# HEALTH & PHYSICAL EDUCATION

- 800 Sports & Games**
- 810 Health**
- 821 Team Sports**
- 822 Racquet & Net Sports**
- 823 Lifetime Activities**
- 825 Strength Training**
- 826 Walking for Fitness**
- 860 Athletic Training I**

**Health - 810**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 10- 12**  
This course approaches health from three major areas: physical, mental and social. The course will discuss various issues including nutrition, disease, medical care, first aid/CPR, mental health, substance abuse and family living/reproduction. This course is required for all students. **Course Fee: \$6.00**

## PHYSICAL EDUCATION COURSES

Any two of the following .25 credit courses will satisfy the physical education requirement for graduation. Students are encouraged, however, to take as many physical education courses they want. Students who receive the physical education exemption may also take any of these classes.

The physical education courses available incorporate a variety of sports and activities to appeal to all students and to encourage them to be physically active. Athletic apparel must be worn for all classes.

**Sports & Games - 800**                      **Course Length: semester**                      **Credits: .25**                      **Open to Grades: 9- 12**  
This class will include a variety of individual and team sports such as badminton, basketball, team handball, ultimate frisbee, and more. It is designed to expose students to a variety of activities and sports to enhance their interest in exercise and introduce the components of fitness. It will explore how to improve one's fitness. **Course Fees: \$6.00**

**Team Sports - 821**                      **Course Length: semester**                      **Credits: .25**                      **Open to Grades: 9- 12**  
This particular class may include team sports such as basketball, floor hockey, soccer, and team handball. Topics covered in each sport include individual fundamentals, team strategies and game situations. **Course Fees: \$6.00**

**Racquet & Net Sports - 822**                      **Course Length: semester**                      **Credits: .25**                      **Open to Grades: 9- 12**  
This class will emphasize activities that create a lifetime of fun and fitness in the arena of racquet and net sports. It will focus on the skills and strategies used for activities such as tennis, badminton, pickleball, volleyball and table tennis. These activities can enhance the individual's exercise regime for the future. **Course Fee: \$6.00**

**Lifetime Activities - 823**                      **Course Length: semester**                      **Credits: .25**                      **Open to Grades: 10- 12**  
Topics covered in this class include outdoor education, golf, and lifetime fitness activities. Students will be exposed to archery, firearm safety, fishing, golf, orienteering, bicycling, team building activities, bowling, and other lifetime fitness activities. Fitness will be stressed in all topics. This class may include field trip opportunities to provide students with experiences in the topics covered in class. **Course Fees: \$21.00 (includes golf fee), additional costs for optional field trips.**

**Strength Training\* - 825**      **Course Length: semester**      **Credits: .25**      **Open to Grades: 10- 12**

In this class students increase their own fitness level as it applies to their own individual goals. This will be achieved by educating the students to design and implement a personalized fitness program specific to their needs. It will include instruction and use of training tools such as flexibility training, weight training, plyometrics, cardiovascular conditioning, and speed training. **Course Fee: \$6.00**

\*Students may take Strength Training twice during his/her high school career.

**Walking for Fitness - 826**      **Course Length: semester**      **Credits: .25**      **Open to Grades: 9- 12**

This class will incorporate indoor and outdoor walking strategies to enhance overall wellness. Monitoring equipment such as pedometers and walking apps may be used to track progress. Topics may also include nutrition and the benefits of exercising. The class is designed to enhance individual fitness levels as well as expose students to information for future exercise regimens. **Course Fee: \$6.00**

## **HPE ELECTIVES**

**Athletic Training I - 860**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 10- 12**

This elective course is designed for those planning to enter some type of medical or sports-related career. It is a basic introduction to the various areas of sports medicine, including basic anatomy, injury recognition, evaluation and rehabilitation. Other areas such as general conditioning, weight training and nutrition will be discussed. ***This course does not fulfill physical education and health graduation requirements.*** **Course Fee: 11.00**

# MATHEMATICS

121	Algebra I
135	Geometry
135H	Honors Geometry
139	Algebra II
140	Algebra II/Trigonometry
140H	Honors Algebra II/Trigonometry
143	Discrete Mathematics
145	Statistics and Probability
150	Pre-Calculus
150H	Honors Pre-Calculus
152	Calculus
155	AP Calculus AB
156	AP Statistics
157	AP Calculus BC

**HIGH SCHOOL CREDITS EARNED IN 7TH AND 8TH GRADES ARE COUNTED TOWARDS THE FOUR CREDITS REQUIRED.** *It is highly recommended that students continue to select additional high school math courses exceeding the four credit requirements.*

The courses offered address the Math Common Core Standards: Number and Quantity, Algebra, Geometry, Functions, and Statistics and Probability.

**The TI-83 plus or TI-84 plus calculator is required for all courses.**

## **Algebra I - 121**

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9**

Competence in Algebra concepts and skills is essential for success on statewide assessments. Content covered in this course meets the state requirements for 9th grade math students. Algebra will be studied with emphasis on the mathematical systems and logical structure; that is, on the axioms of the real number system. This logical approach will also include the usual practical applications of a traditional course. **Course Fee: \$2.00**

## **Geometry - 135**

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9-10**

**Prerequisite: Algebra I**

Competency in Geometry concepts and skills is essential for success on statewide assessments. Content covered in this course meets the state requirements for 10th grade math students. This course provides a thorough introduction to the fundamentals of Euclidean geometry. The two and three-dimensional Euclidean concepts, traditionally taught as plane and solid geometry, are blended into a single logical course. The content of the program will cover points and lines in a plane and in three dimensional space; volumes, areas, perimeters and relationships of sides and angles of polygons and polyhedrons; a thorough discussion of circles and associated lines; coordinate geometry; and direct and indirect proofs of theorems involving all of the above topics. **Course Fee: \$2.00**

**Honors Geometry - 135H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9**  
**Prerequisite: Algebra I & Teacher Recommendation**

Honors Geometry is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in geometry. The student must possess a willingness to accept a large share of responsibility in the academic process. Topics include all those studied in Geometry and require a deeper analysis and application of content. This honors course cannot be dropped once the student is registered. **Course Fee: \$2.00**

**Algebra II - 139**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-11**  
**Prerequisite: Geometry**

This course includes axioms of the real number system, linear equations, factoring, word problems, quadratic equations, graphing of the conic sections and logarithms. Discrete Mathematics with Trigonometry is the next course in sequence. **Course Fee: \$2.00**

**Algebra II/  
Trigonometry - 140**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-11**  
**Prerequisite: Geometry**

This course is a study of basic properties of the real numbers, relations and functions. Emphasis is placed on the trigonometric, exponential and logarithmic functions. Trigonometry is integrated with the study of advanced algebra. Also included in the course are topics involving inequalities, complex number systems and the quadratic equation. Pre-Calculus is the next course in sequence. Discrete Mathematics and Statistics and Probability are also options. **Course Fee: \$2.00**

**Honors Algebra II/  
Trigonometry - 140H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-11**  
**Prerequisite: Honors Geometry & Teacher Recommendation**

Honors Algebra II/Trigonometry is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in math. The student must possess a willingness to accept a large share of responsibility in the academic process. Topics include all those studied in Algebra II/Trigonometry and require a deeper analysis and application of content. This honors course cannot be dropped once the student is registered. Honors Pre-Calculus is the next course in sequence for successfully proven students. **Course Fee: \$2.00**

**Discrete Mathematics - 143**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: Algebra II/Algebra II/Trigonometry**

This course is designed as a fourth year math course. The course contains a survey of math topics which include some of the following: set theory, bases, number theory, systems and matrices, functions, logarithms, probability, and statistics. **Course Fee: \$2.00**

**Statistics and  
Probability - 145**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: Algebra II/Trigonometry**

This course is designed for any college bound student. It introduces the student to the major concepts of statistics and probability that include the following: interpreting categorical and quantitative data, making inferences and justifying conclusions, conditional probability and the rules of probability, using probability to make decisions, set-theory, regression, normal distributions, and confidence intervals. **Course Fee: \$2.00**

**Pre-Calculus - 150**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: Algebra II/Trigonometry**

This course is designed for those who plan college work in the areas of science, engineering or mathematics. Some of the topics will be: mathematical systems, sets, advanced topics in trigonometry, polynomial functions, exponential and logarithmic functions, series, sequences and complex numbers. Calculus is the next course in sequence. **Course Fee: \$2.00**

**Honors Pre-Calculus - 150H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: Honors Algebra II/Trigonometry & Teacher Recommendation**

Honors Pre-Calculus is a rigorous and in-depth course. This course is designed for the highly motivated student with exceptional interest and ability in mathematics, well-developed study skills, and with a willingness to accept a large share of responsibility in the academic process. For curriculum topics see the Pre-Calculus description, with the addition of analytic geometry and beginning Calculus topics.. AP Calculus and AP Statistics are the next courses in the sequence. This course cannot be dropped once the student is registered. **Course Fee: \$2.00**

**Calculus - 152**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**

This course is designed for students who want to take a calculus course before college. First, necessary skills for success in calculus will be reviewed. Then, an introduction to limits, differential calculus and its applications, and integral calculus and its applications will be covered. **Course Fee: \$2.00**

**AP Calculus AB - 155**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: Honors Pre-Calculus and Teacher Recommendation**

This Advanced Placement Course is an intense college-level class. This course is a study of the fundamental properties of analytical geometry and calculus. Topics included are conic sections; limits; differentiation and integration of algebraic, exponential and trigonometric functions; volumes; and growth and decay. Completion of summer assignments and the AP Exam are required. This AP course cannot be dropped once the student is registered. **Course Fee: \$2.00. Fee of approximately \$94.00 required for AP Exam.**

**AP Statistics - 156**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: Honors Alg II/Trig or Pre-Calculus and Teacher Recommendation**

This Advanced Placement Course is an intense college-level class. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. The AP Exam is required. This AP course cannot be dropped once the student is registered. **Course Fee: \$2.00. Fee of approximately \$94.00 required for AP Exam.**

**AP Calculus BC - 157**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: AP Calculus AB or Calculus and Teacher Recommendation**

This Advanced Placement Course is a college-level class that is an extension of AP Calculus AB. It includes all the topics in AB as well as additional topics, which would ordinarily be covered in a college Calculus II course. Topics included are functions, graphs and limits, derivatives and applications of derivatives, integrals, techniques and applications of antidifferentiation, polynomial approximations, series, parametric equations, polar coordinates, and vector-valued functions. Completion of summer assignments and the AP exam are required. **Course Fee: \$2.00. Fee of approximately \$94.00 required for the AP Exam.**

## Math Flowchart

Grade 9	Algebra I	Algebra I	Geometry	Honors Geometry	Algebra II/ Trigonometry	Honors Algebra II/ Trigonometry
Grade 10	Geometry	Geometry	Algebra II/ Trigonometry	Honors Algebra II/ Trigonometry	Pre-Calculus	Honors Pre-Calculus
Grade 11	Algebra II	Algebra II/ Trigonometry	Pre-Calculus Statistics and Probability Discrete Math	Honors Pre-Calculus	Calculus AP Statistics	AP Calculus AB
Grade 12	Discrete Mathematics	Discrete Math Statistics and Probability Pre-Calculus	Calculus AP Statistics Discrete Math Statistics and Probability Pre-Calculus	Statistics and Probability Calculus AP Statistics AP Calculus AB	AP Calculus AB AP Statistics AP Calculus BC	AP Statistics AP Calculus BC

# MUSIC

- 720 **Adventures in Music**
- 721 **Pop, Rock & Contemporary Music**
- 730 **Music Theory & Composition**
- 731 **Freshmen Choir**
- 732 **Concert Choir - 10**
- 733 **Concert Choir - 11**
- 734 **Concert Choir - 12**
- 741 **Show Choir I**
- 742 **Show Choir II**
- 743 **Show Choir III**
- 744 **Show Choir IV**
- 751 **Band I**
- 752 **Band II**
- 753 **Band III**
- 754 **Band IV**
- 760 **Jazz Band**
- 762 **Band Front**

**Adventures in Music - 720**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**

Discover music and learn to listen and appreciate music in new and exciting ways! Through this introductory course, students will be exposed to a variety of composers, styles, and genres. Students will explore the path music took throughout history. Units on the musical instruments, composers, American Music, Music and Multimedia, and Movie Soundtracks are just some of the subjects explored. Daily listening and critiquing will be one of the many ways in which students will become aware of the musical world around them. Students will ultimately gain further insight into why they prefer certain styles of music and how those styles were developed. Music will never be the same! **Course Fee: \$2.00**

**Pop, Rock & Contemporary Music - 721**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**

This course will focus on the development of American music. The history of jazz will be traced from its earliest roots, focusing on how jazz influenced the development of Rock and Roll. The lives and music of significant jazz and rock musicians will be discussed. Included in the course will be the study of the influence and effects jazz and rock have made on our American Society. The unit on Rock and Roll will focus on those musicians inducted into the Rock and Roll Hall of Fame. Additionally, students will explore how the musical landscape has been influenced by music videos, MTV, VH1 and movie soundtracks. **Course Fee: \$2.00**

**Music Theory & Composition - 730**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: Current enrollment in Band**

Music Theory & Composition is an advanced music course, which deals with the construction of mechanics of music. Work will include mastery of basic skills necessary for the composing of music, and a broad background in arranging and writing harmony. Instrumentalists should be proficient on their instrument, and vocalists should be proficient on the piano. Concluding this course, students will have the option to take the AP Music Theory exam. **Course Fee: \$2.00**

**ALL CHOIR COURSES HAVE A  
\$25.00 PARTICIPATION FEE IN  
ADDITION TO CLASS FEES.**

**Freshman Choir - 731**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 9**  
Freshmen Choir is designed to provide a bridge between the middle school and high school choral program. Students involved with this ensemble will develop musical skills such as sight-reading and vocal technique needed to participate in either Concert Choir or Royal Harmony. A variety of sacred and secular music from contrasting musical periods will be studied and performed. *Attendance at rehearsals and performances is required.* **Course Fee: \$24.00**

**Concert Choir 10, 11, 12**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 10-12**  
**732, 733, 734**  
Concert Choir is designed for those students who have achieved competency in the areas of sight-reading, vocal technique, and general musicianship. Musical abilities will be improved through signing a wide variety of music from contrasting musical periods. *Attendance at rehearsals and performances is required.* **Course Fee: \$24.00**

**Show Choir I - IV**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 9-12**  
**(Royal Harmony) 741, 742, 743, 744 - Audition Required**  
Members of this choir are selected from all vocal music students through auditions. Singing, dancing and sight-reading skills are the primary basis for selection. A variety of secular and sacred music from classical, pop and contemporary genres is studied. This ensemble performs at various show choir festivals and competitions throughout the school year and also participates in the OMEA District and State contests. *Attendance at rehearsals and performances is required.* **Show Choir will also require an additional uniform fee in the Fall. Amount determined by what is required for the competition show.** **Course Fee: \$24.00**

**ALL BAND COURSES HAVE A  
\$25.00 PARTICIPATION FEE IN  
ADDITION TO CLASS FEES.**

**Band I - 751**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 9-12**  
**Prerequisite: Four years of middle school band experience on their instrument, and the ability to play and read repertoire at a grade three level. Students transferring from other schools (or students who have not completed four years of band at North Royalton Middle School) will need to perform an audition to demonstrate proficiency.**  
The first nine weeks will meet as Marching Band. During the first nine weeks, class is extended until 3:15 pm on Mondays. After the first nine weeks, the class will be extended until 3:15 pm once a week, scheduled at the director's discretion. Marching Band fundamentals and music as related to motion are stressed. Wind Ensemble, Symphonic Band, and Concert Band will meet following Marching Band. Placement in one of the concert bands will be by audition. Rehearsals include fundamentals of musicianship, sight reading, and performance of a variety of musical literature of contrasting styles. Attendance at rehearsals and performances (including all varsity football games and Wednesday night rehearsals) is required.

**Band II - 752**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 10-12**  
Continuation of Band I. Participation in solo and ensemble adjudicated events is encouraged.

**Band III - 753**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 11-12**  
Continuation of Band II. Participation in solo and ensemble adjudication and Pit/Musical Orchestra is expected.

**Band IV - 754**                      **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 12**  
Continuation of Band I, II and III. All Band IV members are expected to perform in the advanced concert bands (Symphonic Band or Wind Ensemble).

**Jazz Band - 760**                      **Course Length: year**                      **Credits: .25**                      **Open to Grades: 9-12**  
**Prerequisite: Current enrollment in Band and separate audition**  
Meets before or after school for one hour, two days per week. Basic improvisational techniques and other performance skills of jazz and jazz rock are taught in this course. *Attendance at performances is required.* Current enrollment in Band I, II, III or IV is required.

**Band Front - 762**                      **Course Length: quarter**                      **Credits: .25**                      **Open to Grades: 9-12**  
**Audition Required**  
Fundamentals of marching, showmanship and dance are stressed in this course, which meets during the first quarter of the school year. Royalties (flag corps) and Royalties (drill/dance team) performing at halftime with the marching band must enroll in this course. Students enrolled in Band (I-IV) will not receive credit for Band Front. *Attendance at rehearsals and performances is required.*

# SCIENCE

- 301 Earth and Physical Science**
- 311 Biology I**
- 311H Honors Biology I**
- 312H Honors Biology II**
- 313H Honors Anatomy & Physiology**
- 319 Essentials of Chemistry & Physics**
- 320 Chemistry I**
- 320H Honors Chemistry I**
- 322H Honors Chemistry II**
- 330 Science & Sustainability**
- 331 Dynamic Earth**
- 335 Physics**
- 336 AP Physics 1**
- 337 AP Physics 2**

## **Earth and Physical Science (EPS) - 301**

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9-12**

This course is a terrific overview of physics, chemistry, and earth science. It is a great introductory high school course that leads to enhanced success in future science courses. Labs and projects are an integral part of this course. Basic math skills, equivalent to Algebra I, are recommended. *This course satisfies the physical science requirement for graduation.*

**Course Fee: \$11.00**

## **Biology I - 311**

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9-10**

Biology I is a survey course offered to students who are interested in obtaining an understanding of all living things and the relationships which exist among them. Laboratory work, including dissection and microscope work, is an important part of this course. *This course satisfies the biological science requirement for graduation.* **Course Fee: \$13.00**

## **Honors Biology I - 311H**

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9**

**Prerequisite: Teacher Recommendation**

Honors Biology is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in biology. The student must possess a willingness to accept a large share of responsibility in the academic process. Topics include all those studies in Biology I and require a deeper analysis and application of content. This honors course cannot be dropped once the student is registered. *This course satisfies the biological science requirement for graduation.* **Course Fee: \$13.00**

## **Honors Biology II - 312H**

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 11-12**

**Prerequisite: Chemistry I and Teacher Recommendation**

This course is lecture and lab intensive, focusing on analyzing and applying five major biological concepts. Topics include: microbiology, genetics, zoology, bio-technology, and botany. Microscope work, formal lab reports, culturing of bacteria and fruit flies, quarter projects/presentations, and dissections will be an important part of this class. A strong interest in the study of life sciences at the college level is encouraged to enroll in Honors Biology II. **Course Fee: \$22.00**

**Honors Anatomy & Physiology - 313H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: Biology I, Chemistry I and Teacher Recommendation**

Students pursuing a career in medicine including nursing, doctor/veterinary, physical/occupational therapy, pharmacy, and athletic training are encouraged to enroll in Anatomy and Physiology. This rigorous course covers the study of the human body by examining the structure, function, and interactions of the body systems integrated with pharmacology and medical ethics. These principles will be illustrated through lecture, labs, projects/presentations and dissections. Please note that independent study is a major part of this class. **Course Fee: \$15.00**

**Essentials of Chemistry & Physics (ECP) - 319**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: EPS and Biology or Biology I and Teacher Recommendation**

ECP is a course with a heavy laboratory focus that is designed for the student who is looking to take Chemistry I or Physics, but needs an additional year to shore up content skills. A thematic approach to chemistry and physics will be taken. Topics such as food chemistry, art in physics and chemistry, CSI chemistry, physics in action, collisions, toys and electricity will be explored. Concepts will be emphasized in each unit along with the necessary math skills needed to prepare for further physical science courses. *Essentials of Chemistry and Physics satisfies the physical science requirement for graduation. Not open to students who have completed Chemistry I or Physics. This course is not NCAA approved.* **Course Fee: \$12.00**

**Chemistry I - 320**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: Biology I and Algebra I**

This math-based laboratory science course is designed to introduce students to concepts of Chemistry. The classification, structure and interactions of matter will be studied and students are expected to apply these concepts to laboratory experiences. Students will learn about the structure of the atom, make-up of compounds, and chemical reactions. *Chemistry I satisfies the physical science credit requirement for graduation.* **Course Fee: \$12.00**

**Honors Chemistry I - 320H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10**  
**Prerequisite: Honors Biology I, Algebra I and Teacher Recommendation**

Honors Chemistry is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in the physical sciences. The student must possess a willingness to accept a large share of responsibility in the academic process. Topics include all those studies in Chemistry I and require a deeper analysis and application of content. This honors course can not be dropped once the student is registered. *This course satisfies the physical science credit requirement for graduation.* **Course Fee: \$12.00**

**Honors Chemistry II - 322H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: Chemistry I and Teacher Recommendation**

Designed for the college bound science student, the course offers an in-depth analysis of major chemical concepts with emphasis on equilibrium systems, rates of reactions and acid-based reactions. This is an intensive laboratory based course with an extended qualitative analysis experience. The course will also include an introduction to organic chemistry. **Course Fee: \$15.00**

**Science & Sustainability - 330**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: Biology I and a Physical Science**

This course covers many scientific concepts which relate to environmental topics such as pollution, energy and resource use, and food production. The goal of the course is to investigate the ability of populations of living organisms to continue, or sustain, a healthy existence in a healthy environment “forever”. Students will participate in a wide range of activities, including many hands- on labs, current and historical readings, role-plays, and debates. **Course Fee: \$15.00**

**Dynamic Earth - 331****Course Length: year****Credits: 1.0****Open to Grades: 11-12****Prerequisite: Biology I and a Physical Science**

In this course students will explore astronomy, meteorology, geology, and oceanography. We will take an in-depth look at our Earth and how it is constantly changing and apply many concepts to that central theme of change. This class will emphasize an approach to understanding the Earth and its interactions on a global scale. This is a lab-based course featuring many hands-on activities. **Course Fee: \$10.00**

**Physics - 335****Course Length: year****Credits: 1.0****Open to Grades: 11-12****Prerequisite: Algebra II/Trigonometry and Chemistry I or****Algebra II/Trigonometry, ECP and Teacher Recommendation**

Physics is the study of interactions in our world. This course takes a hands-on approach to investigating the topics of mechanics, including kinematics and dynamics, along with wave motion, sound and light. Situations are analyzed mathematically. A solid math background is recommended. College-bound students are encouraged to enroll in Physics. **Course Fee: \$12.00**

*This course satisfies the physical science requirements for graduation.*

**AP Physics 1 - 336****Course Length: year****Credits: 1.0****Open to Grades: 11-12****Prerequisite: Algebra II/Trigonometry, Chemistry I and Teacher Recommendation**

AP Physics 1 is an intense, algebra-based course equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. College-bound students intending on pursuing careers in science should enroll in AP Physics 1. Completion of summer assignments and the AP Exam are required. This AP course cannot be dropped once the student is registered. **Fee of approximately \$94.00 required for AP exam. This course satisfies the physical science requirement for graduation. Course Fee: \$13.00**

*\* Students who have taken Physics (course #335) may not take AP Physics 1.*

**AP Physics 2 - 337****Course Length: year****Credits: 1.0****Open to Grades: 12****Prerequisite: Pre-Calculus, Physics and Teacher Recommendation or****AP Physics 1 and Teacher Recommendation**

AP Physics 2 is an intense, algebra-based course equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. College-bound students intending on pursuing careers in science, engineering or other technical fields should enroll in AP Physics 2. Completion of summer assignments and the AP Exam are required. This AP course cannot be dropped once the student is registered. **Fee of approximately \$94.00 required for AP exam. This course satisfies the physical science requirement for graduation. Course Fee: \$28.00**

*\* Students who have taken Physics (course #335) may opt to enroll in AP Physics 2 and take both the AP Physics 1 and AP Physics 2 exams.*

## Science Flowcharts

<b>Grade 9</b>	<b>Biology I / Honors Biology I</b>			
<b>Grade 10</b>	<b>Chemistry I / Honors Chemistry I</b>		<b>Essentials of Chemistry and Physics (ECP)</b>	
<b>Grade 11</b>	<p><b>(Pick one or double-up)</b></p> <ul style="list-style-type: none"> <li>• AP Physics 1</li> <li>• Physics</li> <li>• Honors Anatomy &amp; Physics</li> <li>• Honors Chemistry II</li> <li>• Honors Biology II</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>	<p><b>(Pick one or double-up)</b></p> <ul style="list-style-type: none"> <li>• Honors Anatomy &amp; Physics</li> <li>• Honors Chemistry II</li> <li>• Honors Biology II</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>	<p><b>(Pick one or double-up)</b></p> <ul style="list-style-type: none"> <li>• Physics</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>	<p><b>(Pick one or double-up)</b></p> <ul style="list-style-type: none"> <li>• Chemistry I</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>
<b>Grade 12</b>	<p><b>(Pick one or double-up)</b></p> <ul style="list-style-type: none"> <li>• AP Physics 2</li> <li>• Honors Anatomy &amp; Physics</li> <li>• Honors Chemistry II</li> <li>• Honors Biology II</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>	<p><b>(Pick one or double-up)</b></p> <ul style="list-style-type: none"> <li>• Physics</li> <li>• AP Physics 1</li> <li>• Honors Anatomy &amp; Physics</li> <li>• Honors Chemistry II</li> <li>• Honors Biology II</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>	<p><b>(Pick one or double-up)</b></p> <ul style="list-style-type: none"> <li>• AP Physics 2</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>	<p><b>(Pick one or double-up)</b></p> <ul style="list-style-type: none"> <li>• Physics</li> <li>• AP Physics 1</li> <li>• Honors Anatomy &amp; Physics</li> <li>• Honors Chemistry II</li> <li>• Honors Biology II</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>

<b>Grade 9</b>	<b>Earth and Physical Science (EPS)</b>		
<b>Grade 10</b>	<b>Biology I / Honors Biology I</b>		
<b>Grade 11</b>	<b>Chemistry I / Honors Chemistry I</b>	<b>Dynamic Earth or Science and Sustainability</b>	<b>Essentials of Chemistry and Physics (ECP)</b>
<b>Grade 12</b>	<b>(Pick one or double-up)</b> <ul style="list-style-type: none"> <li>• AP Physics 1</li> <li>• Physics</li> <li>• Honors Anat. &amp; Phys.</li> <li>• Honors Chemistry II</li> <li>• Honors Biology II</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>	<b>(Pick one or double-up)</b> <ul style="list-style-type: none"> <li>• Chemistry I</li> <li>• Essentials of Chemistry &amp; Physics</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>	<b>(Pick one or double-up)</b> <ul style="list-style-type: none"> <li>• Chemistry I</li> <li>• Physics</li> <li>• Dynamic Earth</li> <li>• Science and Sustainability</li> </ul>

# SOCIAL STUDIES

- 201 World History
- 201H Honors World History
- 202 U.S. History
- 203 AP U.S. History
- 204 American Government
- 205 AP Government & Politics: US
- 206 Economics
- 208-i AP Microeconomics
- 209-a AP Macroeconomics
- 210 Sociology
- 211 Trojans, Romans and Myths
- 213 Modern Issues
- 215 Psychology
- 217 AP Psychology
- PLSC 156 NR American National Government

## World History - 201

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9**

This course traces the path of world history from the Scientific Revolution through the beginning of the twenty-first century. The historical narratives as well as social, cultural, political, military and economic themes are developed. The course provides the historical context for the institutions that shape the contemporary world. **Course Fee: \$2.00**

## Honors World History - 201H

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9**

**Prerequisite: Teacher Recommendation**

This course provides a thematic based approach to World History that will cover, in depth, events from the Scientific Revolution to the modern era. The class will focus on developing skills such as critical thinking, evaluating and analyzing sources, and understanding the impact of history on the present day. The course will focus on the use of primary sources, as well as honing the skills necessary to tackle document based questions. Students will also again experience in creating and supporting thesis statements. This course cannot be dropped once a student is registered, and serves as a prerequisite for AP U.S History, AP Government, and AP Economics. **Course Fee: \$2.00**

## U.S. History - 202

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 10**

This course is a comprehensive survey of U.S. History from the Civil War to the present with emphasis on democratic principles, political philosophies and pertinent facts. This course will assist students in understanding the past so that they may speculate on the prospects for the 21st century and how they may become active members in their community, the nation, and the world. **Course Fee: \$2.00**

## AP U.S. History - 203

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 10**

**Prerequisite: Honors English 9 and Honors World History and/or Teacher Recommendation**

This course provides an in-depth chronological view of the American experience from the Age of Exploration to the present. Seven major themes in U.S. History are presented: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. Historical skills such as analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation are emphasized. Extensive reading is required. This is a demanding college level course with selective enrollment. **Students enrolled in this class will be required to take the Advanced Placement test in U.S. History. This AP course cannot be dropped once the student is registered. Fee of approximately \$94.00 required for the AP Exam. Course Fee: \$2.00**

**American Government - 204**    **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 11-12**  
This course covers the national government and its organization of executive, legislative and judicial branches. Topics include rights and responsibilities of citizens and democratic principles. **Course Fee: \$2.00**

**AP Government & Politics: United States - 205**    **Course Length: year**                      **Credits: 1.0**                      **Open to Grades: 11-12**  
**Prerequisite: Social Studies and English Teacher Recommendations**  
This Advanced Placement course is a college-level class. This course is designed to introduce students to American government and politics by analyzing how political support is mobilized in our system and how public policy is made. Further, the course is designed to prepare students for successful completion of the Advanced Placement Examination. Study of the American political system, citizen participation, social influences and policy issues will be the primary focus of the course. Completion of summer assignments and the AP Exam is required. This class does not fulfill the Economics requirement. **This AP course cannot be dropped once the student is registered. Both Social Studies and English teacher recommendation is required. Fee of approximately \$94.00 required for AP Exam. Course Fee: \$2.00**

**Economics - 206**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 11-12**  
This course will introduce micro and macro economic concepts. Students will learn about change in supply, demand, prices and wages. Themes include banking, government fiscal policies and monetary policy as well as financial literacy issues. **Required of all seniors who have not taken AP Economics or Introduction to Economics. Course Fee: \$2.00**

**AP Microeconomics - 208-i**    **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 11-12**  
**Prerequisite: Algebra II/Trigonometry**  
AP Microeconomics is a college-level course that introduces students to the principles of economics. Students will come away with a greater understanding of how the business world works. Topics include: understanding markets and the decisions made by consumers and producers, how prices are set, what happens when markets fail and how the government can influence the marketplace. Students should be comfortable with basic mathematics and graphing skills. Students can also choose to take AP Macroeconomics during the same school year. **This AP course cannot be dropped once the student is registered. Fee of approximately \$94.00 required for AP Exam. Course Fee: \$2.00**

**AP Macroeconomics - 209-a**    **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 11-12**  
**Prerequisite: Algebra II/Trigonometry**  
AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. Students will come away with a greater understanding of how the U.S. economy works. Topics include: understanding measurements of the economy, the influence of the financial system, the impact of government policy on the lives of every member of society, and the effects of international trade. Students should be comfortable with basic mathematics and graphing skills. Students can also choose to take AP Macroeconomics during the same year. **This AP course cannot be dropped once the student is registered. Fee of approximately \$94.00 required for AP Exam. Course Fee: \$2.00**

**Sociology - 210**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 9-12**  
This is a study of the structure and function of groups and the relations between groups. This course will examine the interaction of groups in the perspective of culture, personality, family religion, politics and economics. **Course Fee: 2.00**

**Trojans, Romans and Myths - 211**                      **Course Length: semester**                      **Credits: .5**                      **Open to Grades: 10-12**  
In this course we will study the emergence of the major Mediterranean Civilizations of the Ancient World, beginning with the Paleolithic Era and finishing with the Early Middle Ages. We will pay special attention to Egyptian, Greek, and Roman Cultures, as well as Governments, Philosophies, Warfare and Mythologies. We will rely upon historical readings from these civilizations and utilize primary source documents to illuminate features of these societies. We will also examine why many aspects of these Ancient Civilizations continue to shape our world. **Course Fee: \$2.00**

**Modern Issues - 213****Course Length: semester****Credits: .5****Open to Grades: 11-12**

Modern Issues introduces students to various issues facing the world today. Students will explore globalization, human rights, global economic issues and fake news. Students will also look at the role the United States plays in this ever changing world. Students will discuss and debate these issues in an interactive format that allows them to form their own opinions on these issues. Students will evaluate these issues and propose solutions from a variety of perspectives.

**Course Fee: \$2.00****Psychology - 215****Course Length: semester****Credits: .5****Open to Grades: 10-12**

This course introduces students to the major concepts and theories that influence human behavior. Students will gain an understanding of human development, states of consciousness, learning, cognition, motivation, emotion, personality, psychological testing, research and treatment of abnormal behavior. **Course Fee: \$2.00**

**AP Psychology - 217****Course Length: year****Credits: 1.0****Open to Grades: 11-12****Prerequisite: English teacher and Social Studies Teacher Recommendation**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Completion of a summer assignment and the AP Exam is required. **This course cannot be dropped once the student is enrolled. Fee of approximately \$96.00 required for AP Exam. Course Fee: \$2.00**

**American National Government - PLSC 156 NR****Course Length: semester****Credits: 1.0****Open to: CCP Accepted Students****Prerequisite: Admission into the College Credit Plus Program and application to Lorain County Community College**

This course provides a survey of national government in theory and practice. Formal governmental structure and procedures studied and made meaningful will be explored with an emphasis on the individual's role in a functioning democracy. Social Sciences Core Course. (OTM, TAG). **This college course is taught at North Royalton High School.**

<b>Social Studies Flowcharts</b>		
Grade 9	World History Sociology	Honors World History Sociology
Grade 10	U.S. History Electives	AP U.S. History Electives
Grade 11	American Government Economics Electives	AP Government American National Government AP Economics AP Psychology Electives
Grade 12		AP Microeconomics AP Macroeconomics *American National Government

\*If choosing CCP Government, it is suggested to take in grade 11 or 12.

# TECHNOLOGY EDUCATION

625	Graphic Design
630	Home Maintenance
635	Introduction to Engineering Design (IED)
640	Mechanical Drawing
642	Architectural Design
651	Metalworking I
652	Metalworking II
661	Woodworking I
662	Woodworking II
665	Computer Science Programming
667	AP Computer Science Principles
668	AP Computer Science A

**Graphic Design - 625**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**

This semester-long course covers the creation and production of various graphic projects, emphasizing the layout and creative design process, problem solving, and research. Students will gain experience and knowledge in producing custom vinyl signs and graphics. The goal of this class is on improving design knowledge and skills, as well as introducing students to project management disciplines. This class is designed for students interested in art and graphic design. **Course Fee: \$40.00**

**Home Maintenance - 630**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**

This semester-long course is designed to give students the necessary skills to make home improvements and perform routine maintenance. The course will teach interior and exterior house maintenance on windows, doors, and drywall; roofs/spouting; plumbing; and building material use. Students will also learn rough framing, installation of electrical systems and plumbing, basic tiling and masonry work. This class is designed for students interested in learning the basics of home design and construction. **Course Fee: \$65.00**

**Introduction to Engineering Design (IED) - 635**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-12**

*Project Lead the Way* is a year-long class designed for students who are serious about solving problems with the latest processes used in today's industry. Students use 3D solid modeling software to design an object and 3D print their design toward making a model. The class exposes students to the design process, research, teamwork, communicating solutions, engineering standards, and technical documentation. This class is intended for students interested in becoming an engineer or working in the engineering field. **Course Fee: \$25.00**

**Mechanical Drawing - 640**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**

In this semester-long course students will learn basic drafting through the Autodesk Inventor. Concepts covered include how to create and revise architectural, electrical and mechanical drawings; manipulate extrusions; solid modeling, 3-D modeling and render. This class is designed for students interested in drafting, architecture, and engineering careers. **Course Fee: \$40.00**

**Architectural Design - 642**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
Students in this semester long course develop skills in designing and rendering plans for residential, commercial or public spaces. Topics covered in architectural drafting include plot planning, floor and foundation planning, wall construction, window selection, stairway planning and roof construction. Students learn 3-D modeling techniques specific to architectural drafting. This course is designed for students interested in drafting, architecture, and engineering careers.  
**Course Fee: \$15.00**

**Metalworking I - 651**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
This semester-long course is an introductory to a variety of different metalworking skills with an emphasis on working safely with various machines and tools. Numerous subjects will be taught, these include: setup and running of various automated machines, complete welding process, basic skills to set up and run a basic metal machines. This class is designed for students interested in high tech machining and manufacturing careers. **Course Fee: \$60.00**

**Metalworking II - 652**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
**Prerequisite: Metalworking I**  
This semester-long course is an introductory to a variety of different metalworking skills with an emphasis on working safely with various machines and tools. Numerous subjects will be taught, these include: setup and running of various automated machines, complete welding process, basic skills to set up and run a basic metal machines. This class is designed for students interested in high tech machining and manufacturing careers. **Course Fee: \$60.00**

**Woodworking I - 661**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
This semester-long course will expose students to the basics of woodworking. Students will learn project planning, material selection and preparation, layout techniques, hand tool and power tool safety, wood turning, cutting and finishing of wood. If time permits, students may complete their own projects. This class is designed for students interested in carpentry and construction trades. **Course Fee: \$60.00**

**Woodworking II - 662**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
**Prerequisite: Woodworking I**  
This semester-long course will expose students to the basics of woodworking. Students will learn project planning, material selection and preparation, layout techniques, hand tool and power tool safety, wood turning, cutting and finishing of wood. If time permits, students may complete their own projects. This class is designed for students interested in carpentry and construction trades. **Course Fee: \$60.00**

**Computer Science Programming - 665**      **Course Length: semester**      **Credits: .5**      **Open to Grades: 9-12**  
**Prerequisite: Algebra I**  
This exploratory semester-long course is designed for students who are interested in Computer Science, but do not want to deal with the stress and workload that is associated with AP Computer Science Principles. This class is broken into three units, based on programming and robotics. Unit 1 covers basic programming using Scratch, ALICE and basic Java. Unit 2 explores basic robotics and programming, and Unit 3 covers data and database management. This course is designed for students interested in programming. **Course Fee: \$30.00**

**AP Computer Science Principles - 667**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-12**  
**Prerequisite: Algebra I and Computer Science Programming are recommended**  
The AP computer science principles course is designed to be the equivalent of a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and student data and working with large data sets to analyze, visualize, and draw conclusions from trends. Students will also learn basic coding skills. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on your community, society, and the

world. This class is fully aligned with the national AP Computer Science Principles standards. Algebra I and Computer Science Programming are recommended for this course, but not required. **Students enrolled in this course will be required to take the Advanced Placement test in Computer Science Principles. This AP course cannot be dropped once the student is registered. An exam fee of approximately \$94.00 is required for the AP Exam. Course Fee: \$25.00**

**AP Computer Science A - 668**

**Course Length: year**

**Credits: 1.0**

**Open to Grades: 9-12**

**Prerequisite: AP Computer Science Principles strongly recommended, but can be taken Concurrently**

AP Computer Science A (AP CS A) introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. It is strongly recommended that a student complete AP Computer Science Principles prior to this class. **Students enrolled in this course will be required to take the Advanced Placement test in Computer Science A. This AP course cannot be dropped once the student is registered. An exam fee of approximately \$94.00 is required for the AP Exam. Course Fee: \$25.00**

# WORLD LANGUAGES

- 351 French I
- 352 French II
- 353H Honors French III
- 354H Honors French IV
- 355 AP French Language
- 361 German I
- 362 German II
- 363H Honors German III
- 364H Honors German IV
- 381 Spanish I
- 382 Spanish II
- 383 Spanish III
- 383H Honors Spanish III
- 384 Spanish IV
- 384H Honors Spanish IV
- 385 AP Spanish Language

## French I - 351

**Course Length:** year

**Credits:** 1.0

**Open to Grades:** 9-12

This course introduces the student to basic comprehension, speaking, reading, and writing of the French language. There is an emphasis on the speaking and listening aspects of the language. The course also presents some of the customs and culture of the various French speaking countries. Aspects of French culture are examined and compared to those of your own culture. Success in the classroom will require a large amount of memory work and practice outside of the classroom. **Course Fee: \$15.00**

## French II - 352

**Course Length:** year

**Credits:** 1.0

**Open to Grades:** 9-12

**Prerequisite:** French I

This course reviews the material covered in French I and increases comprehension, speaking, reading and writing ability with more sophisticated grammar. The class is conducted in French. This allows the student to develop a clear picture of life in French speaking countries and gives students more practice in approximating the proficiency of a native speaker. Success in the classroom will require a large amount of memory work and practice. **Course Fee: \$15.00**

## Honors French III - 353H

**Course Length:** year

**Credits:** 1.0

**Open to Grades:** 10-12

**Prerequisite:** French II and Teacher Recommendation

Honors French III is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in French. The student must possess a willingness to accept a large share of the responsibility in the academic process, as this course requires a deeper analysis and application of content. This course, conducted in French places a major emphasis on developing speaking, reading and writing skills to give students more practice in approximating the proficiency of a native speaker. Aspects of French culture are examined and compared to those of our own culture. Media (magazines, newspapers, audio recordings, films and the Internet) are used to help the student gain language comprehension and insight into cultural aspects of the French speaking world. This honors course is required for those who plan to take French IV Honors and Advanced Placement French. This honors course cannot be dropped once the student is registered. A French-English dictionary is recommended. **Course Fee: \$19.00**

**Honors French IV - 354H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: French III and Teacher Recommendation**

Honors French IV is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in French. The student must possess a willingness to accept a large share of responsibility in the academic process, as this course requires a deeper analysis and application of content. This course, conducted in French, uses a communicative approach to explore the six themes of the Advanced Placement course to develop advanced skills in culture, literature and in approximating the proficiency of a native speaker. Other areas covered include speaking, reading, writing and grammar review. Media (magazines, newspapers, audio recordings and films) are used to help the student gain better language comprehension and insight into cultural aspects of the French speaking world. This honors course is required for those who plan to take Advanced Placement French. This honors course cannot be dropped once the student is registered. Supplementary textbooks may have to be purchased. A French- English dictionary is recommended. This course may be conducted simultaneously with AP French. **Course Fee: \$25.00**

**AP French Language - 355**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 12**  
**Prerequisite: Honors French IV and Teacher Recommendation**

The Advanced Placement course is an intense college-level class. The course, conducted in French, has a heavy emphasis on a holistic approach to language proficiency and recognizes the complex inter-relatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Through the six course themes of the Advanced Placement course, students should learn language structures in context and use them to convey meaning. Supplementary textbooks may have to be purchased. Completion of summer assignments and the AP Exam are required. This AP course cannot be dropped once the student is registered. A French-English dictionary is recommended. This course may be conducted simultaneously with Honors. French IV. **An exam fee of approximately \$94.00 is required for the AP Exam. Course Fee: \$25.00**

**German I - 361**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-12**

This course introduces the student to basic comprehension, speaking, reading and writing of the German language. There is an emphasis on the speaking and listening aspects of the language. The course also presents some of the customs and culture of the various German speaking countries. Aspects of German culture are examined and compared to those of our own culture. Success in the classroom will require a large amount of memory work and practice outside of the classroom. **Course Fee: \$5.00**

**German II - 362**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-12**  
**Prerequisite: German I**

This course reviews the material covered in German I and increased comprehension, speaking, reading and writing ability with more sophisticated grammar. The class is conducted in German. This allows the student to develop a clear picture of life in German speaking countries and gives students more practice in approximating the proficiency of the native speaker. Success in the classroom will require a large amount of memory work and practice. **Course Fee: \$5.00**

**Honors German III - 363H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: German II and Teacher Recommendation**

Honors German III is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in German. The student must possess a willingness to accept a large share of responsibility in the academic process, as this course requires a deeper analysis and application of content. This course, conducted in German, places a major emphasis on developing speaking, reading and writing skills to give students more practice in approximating the proficiency of a native speaker. Aspects of German culture are examined and compared to those of our own culture. Media (magazines, newspapers, audio recordings, films and the Internet) are used to help the student gain language comprehension and insight into cultural aspects of the German speaking world. This honors course is required for those who plan to take German IV Honors and Advanced Placement German. This honors course cannot be dropped once the student is registered. A German-English dictionary is recommended. **Course Fee: \$19.00**

**Honors German IV - 364H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: German III and Teacher Recommendation**

Honors German IV is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in German. The student must possess a willingness to accept a large share of responsibility in the academic process, as this course requires a deeper analysis and application of content. This course, conducted in German, uses a communicative approach to develop advanced skills in culture, literature and in approximating the proficiency of a native speaker. Other areas covered include speaking, reading, writing and grammar review. Media (magazines, newspapers, audio recordings and films) are used to help the student gain better language comprehension and insight into cultural aspects of the German speaking world. This honors course is required for those who plan to take Advanced Placement German. This honors course cannot be dropped once the student is registered. A German-English dictionary is recommended. **Course Fee: \$19.00**

**Spanish I - 381**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-12**

This course introduces the student to basic comprehension, speaking, reading and writing of the Spanish language. There is an emphasis on the speaking and listening aspects of the language. The course also presents some of the customs and culture of the various Spanish speaking countries. Aspects of Spanish culture are examined and compared to those of our own culture. Success in the classroom will require a large amount of memory work and practice outside of the classroom. **Course Fee: \$8.00**

**Spanish II - 382**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 9-12**  
**Prerequisite: Spanish I**

This course reviews the material covered in Spanish I and increased comprehension, speaking, reading and writing ability with more sophisticated grammar. The class is conducted in Spanish. This allows the student to develop a clear picture of life in Spanish speaking countries and gives students more practice in approximating the proficiency of a native speaker. Success in the classroom will require a large amount of memory work and practice. **Course Fee: \$8.00**

**Spanish III - 383**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: Spanish II**

This course, conducted in Spanish, places a major emphasis on developing speaking, reading and writing skills to give students more practice in approximating the proficiency of a native speaker. Aspects of Spanish culture are examined and compared to those of our own culture. Media (magazines, newspapers, audio recordings, films and the internet) are used to help the student gain language comprehension and insight into cultural aspects of the Spanish speaking world. A workbook is required and a Spanish-English dictionary is recommended. **Course Fee: \$8.00**

**Honors Spanish III - 383H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 10-12**  
**Prerequisite: Spanish II and Teacher Recommendation**

Honors Spanish III is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in Spanish. The student must possess a willingness to accept a large share of responsibility in the academic process, as this course requires a deeper analysis and application of content. This course, conducted in Spanish, places a major emphasis on developing speaking, reading and writing skills to give students more practice in approximating the proficiency of a native speaker. Aspects of Spanish culture are examined and compared to those of our own culture. Media (magazines, newspapers, audio recordings, films and the Internet) are used to help the student gain language comprehension and insight into cultural aspects of the Spanish speaking world. This honors course is required for those who plan to take Spanish IV Honors and Advanced Placement Spanish. This honors course cannot be dropped once the student is registered. A Spanish-English dictionary is recommended. **Course Fee: \$8.00**

**Spanish IV - 384**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: Spanish III**

This course, conducted in Spanish, uses a communicative approach to develop advanced skills in culture, literature and

in approximating the proficiency of a native speaker. Other areas covered include speaking, reading, writing and grammar review. Media (magazines, newspapers, audio recording and film) are used to help the student gain better language comprehension and insight into cultural aspects of the Spanish speaking world. A Spanish-English dictionary is recommended. **Course Fee: \$8.00**

**Honors Spanish IV - 384H**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 11-12**  
**Prerequisite: Spanish III and Teacher Recommendation**

Honors Spanish IV is a rigorous and in-depth course. This course is designed for the student with exceptional interest and ability in Spanish. The student must possess a willingness to accept a large share of responsibility in the academic process, as this course requires a deeper analysis and application of content. This course, conducted in Spanish, uses a communicative approach to develop advanced skills in culture, literature and in approximating the proficiency of a native speaker. Other areas covered include speaking, reading, writing and grammar review. Media (magazines, newspapers, audio recordings and films) are used to help the student gain better comprehension and insight into cultural aspects of the Spanish speaking world. This honors course is required for those who plan to take Advanced Placement Spanish. This honors course cannot be dropped once the student is registered. A Spanish-English dictionary is recommended. **Course Fee: \$8.00**

**AP Spanish Language - 385**      **Course Length: year**      **Credits: 1.0**      **Open to Grades: 12**  
**Prerequisite: Honors Spanish IV and Teacher Recommendation**

This Advanced Placement course is an intense college-level class. The course, conducted in the target language, has a heavy emphasis on a holistic approach to language proficiency and recognizes the complex inter-relatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students should learn language structures in context and use them to convey meaning. Supplementary textbooks may have to be purchased. Completion of summer assignments and the AP Exam are required. This AP course cannot be dropped once the student is registered. A Spanish-English dictionary is recommended. **An exam fee of approximately \$94.00 is required for the AP Exam. Course Fee: \$45.00**

## College Credit Plus - Cuyahoga Community College

The following are **examples** of how a student in the College Credit Plus Program may earn 15 and 30 college semester hours. This is only to be used as an example. Specific course choices and the number of credit hours a particular student will attempt will vary. Some students may only choose to complete one college class per semester, while others may choose more.

<b>CUYAHOGA COMMUNITY COLLEGE - ASSOCIATE OF ARTS - Baccalaureate Transfer Pathway - 15/30 Hour Blocks</b>			
<b>Course Number</b>	<b>Course Name</b>	<b>Semester Hours</b>	<b>*TAG Course?</b>
ENG 1010	College Composition I	3	Yes
HIST 1010	History of Civilization I	3	Yes
MATH 1250	Contemporary Math	4	No
PHIL 1010	Intro to Philosophy	3	Yes
PSYC 1010	General Psychology	3	Yes
	<b>Total</b>	<b>16</b>	
ENG 1020	College Composition II	3	Yes
HIST 1020	History of Civilization II	3	Yes
SPCH 1010	Fund. of Speech Comm	3	Yes
SOC 1010	Introductory Sociology	3	Yes
Laboratory Science		4	Depends on Course
	<b>Total</b>	<b>16</b>	

<b>CUYAHOGA COMMUNITY COLLEGE ASSOCIATE OF SCIENCE - Baccalaureate Transfer Pathway - 15/30 Hour Blocks</b>			
<b>Course Number</b>	<b>Course Name</b>	<b>Semester Hours</b>	<b>*TAG Course?</b>
ENG 1010	College Composition I	3	Yes
CHEM 1300	General Chemistry I	4	Yes
CHEM 130L	General Chemistry Lab I	1	Yes
MATH 1610	Calculus I	5	Yes
PSYC 1010	General Psychology	3	Yes
	<b>Total</b>	<b>16</b>	
ENG 1020	College Composition II	3	Yes
CHEM 1310	General Chemistry II	4	Yes
CHEM 131L	General Chemistry Lab II	1	Yes
MATH 1620	Calculus II	5	Yes
	<b>Total</b>	<b>13</b>	

\* TAG Courses are courses that transfer to all Ohio public universities and directly apply to the major requirements accordingly.

**CUYAHOGA COMMUNITY COLLEGE - BAA  
Baccalaureate Transfer Pathway - 15/30 Hour Blocks**

<b>Course Number</b>	<b>Course Name</b>	<b>Semester Hours</b>	<b>*TAG Course?</b>
ENG 1010	College Composition I	3	Yes
ECON 2610	Macroeconomics	3	Yes
MATH 1470	Math for Business and Social Sciences I	4	No
PSYC 1010	General Psychology	3	Yes
BADM 2010	Business Communications	3	Yes
	<b>Total</b>	<b>16</b>	
ENG 1020	College Composition II	3	Yes
ECON 2620	Microeconomics	3	Yes
MATH 1480	Math for Business and Social Sciences II	4	No
PHIL 2020	Ethics	3	Yes
SPCH 1010	Fund of Speech Comm	3	Yes
	<b>Total</b>	<b>16</b>	

**CUYAHOGA COMMUNITY COLLEGE - Pre-Engineering -  
Baccalaureate Transfer Pathway - 15/30 Hour Blocks**

<b>Course Number</b>	<b>Course Name</b>	<b>Semester Hours</b>	<b>*TAG Course?</b>
ENG 1010	College Composition I	3	Yes
CHEM 1300	General Chemistry I	4	Yes
CHEM 130L	General Chemistry Lab I	1	Yes
MATH 1610	Calculus I	5	Yes
MET 1100	Technology Orientation	2	Yes
	<b>Total</b>	<b>15</b>	
CHEM 1310	General Chemistry II	4	Yes
CHEM 131L	General Chemistry Lab II	1	Yes
MATH 1620	Calculus II	5	Yes
PHYS 2310	General Physics I	5	Yes
	<b>Total</b>	<b>15</b>	

\* TAG Courses are courses that transfer to all Ohio public universities and directly apply to the major requirements accordingly.

**CUYAHOGA COMMUNITY COLLEGE - Hospitality Management -  
Baccalaureate Transfer Pathway - 15/30 Hour Blocks**

<b>Course Number</b>	<b>Course Name</b>	<b>Semester Hours</b>	<b>*TAG Course?</b>
ENG 1010	College Composition I	3	Yes
HOSP 1010	Intro to Hospitality Management	2	No
HOSP 1020	Sanitation and Safety	2	No
HOSP 1031	Fundamentals of Culinary Arts	3	No
HOSP 1040	Customer Service	2	No
HOSP 1552	Intro to Baking	3	No
	<b>Total</b>	<b>15</b>	
ENG 1020	College Composition II	3	Yes
IT 1010	Intro to Microcomputer	3	Yes
DIET 1200	Basic Nutrition	3	Yes
HOSP 1451	Contemporary Cuisine	4	No
HOSP 1650	Dining Room Operations	2	No
	<b>Total</b>	<b>15</b>	

\* TAG Courses are courses that transfer to all Ohio public universities and directly apply to the major requirements accordingly.

**Tools and Links:**

- [Four-year high school planner](#)
- [Ohio's Honors Diplomas](#)
- [Naviance](#)
- [Ohio Department of Higher Education](#)
- [Ohio's In-Demand Job List](#)

## NORTH ROYALTON HIGH SCHOOL 2020-2021 COURSE MASTER LIST

### Art

- 701 Art Foundations
- 702 Drawing
- 704 Painting
- 706 Ceramics
- 708 Crafts
- 709 Digital Photography and Design
- 711 Sculpture
- 712 Studio Art I
- 713 Studio Art II
- 714 Studio Art III
- 715 Studio Art IV

### Business Technology

- 404 Building Your Brand
- 408 Personal Finance
- 409 Entrepreneurship
- 410 Accounting
- 412 Sports & Entertainment Management

### English

- 012 English 9
- 012H Honors English 9
- 021 English 10
- 021H Honors English 10
- 031 English 11
- 032H Honors English 11
- 041 Composition
- 042 Composition Through Film
- 044H Honors Shakespeare
- 045 Literature of the Human Experience
- 046 Exploring Truths in Nonfiction
- 047 Literature of Social Change
- 048 Science Fiction
- 051 AP English Literature and Composition
- 061 Creative Writing I
- 068 Creative Writing II
- 062 Introduction to Theatre
- 063 Broadcasting
- 064 Journalism
- 065 Speech and Debate
- 066 Reading for Pleasure
- 067 ACT Prep

- ENG 161 NR College Composition I\*
- ENG 162 NR College Composition II\*
- ENG 255 NR Introduction to Fiction\*
- ENG 257 NR Introduction to Poetry\*

### Family & Consumer Science

- 521 Introductory Foods
- 522 Creative Cooking
- 523 Sports Nutrition and Wellness
- 524 International Cuisine
- 525 Meals Made Easy
- 535 Parenting & Child Development
- 540 On Your Own

### Health & Physical Education

- 800 Sports & Games
- 810 Health
- 821 Team Sports
- 822 Racquet & Net Sports
- 823 Lifetime Activities
- 825 Strength Training
- 826 Walking for Fitness
- 860 Athletic Training I

### Mathematics

- 121 Algebra I
- 135 Geometry
- 135H Honors Geometry
- 139 Algebra II
- 140 Algebra II/Trigonometry
- 140H Honors Algebra II/Trigonometry
- 143 Discrete Mathematics
- 145 Statistics and Probability
- 150 Pre-Calculus
- 150H Honors Pre-Calculus
- 152 Calculus
- 155 AP Calculus AB
- 156 AP Statistics
- 157 AP Calculus BC

**Music**

- 720 Adventures in Music
- 721 Pop, Rock & Contemporary Music
- 730 Music Theory & Composition
- 731 Freshmen Choir
- 732 Concert Choir - 10
- 733 Concert Choir - 11
- 734 Concert Choir - 12
- 741 Show Choir I
- 742 Show Choir II
- 743 Show Choir III
- 744 Show Choir IV
- 751 Band I
- 752 Band II
- 753 Band III
- 754 Band IV
- 760 Jazz Band
- 762 Band Front

**Science**

- 301 Earth and Physical Science
- 311 Biology I
- 311H Honors Biology I
- 312H Honors Biology II
- 313H Honors Anatomy & Physiology
- 319 Essentials of Chemistry & Physics
- 320 Chemistry I
- 320H Honors Chemistry I
- 322H Honors Chemistry II
- 330 Science & Sustainability
- 331 Dynamic Earth
- 335 Physics
- 336 AP Physics 1
- 337 AP Physics 2

**Social Studies**

- 201 World History
- 201H Honors World History
- 202 U.S. History
- 203 AP U.S. History
- 204 American Government
- 205 AP Government & Politics: US

- 206 Economics
- 208-i AP Microeconomics
- 209-a AP Macroeconomics
- 210 Sociology
- 211 Trojans, Romans and Myths
- 213 Modern Issues
- 215 Psychology
- 217 AP Psychology
- PLSC 156 NR American Government

**Technology Education**

- 625 Graphic Design
- 630 Home Maintenance
- 635 Introduction to Engineering Design (IED)
- 640 Mechanical Drawing
- 642 Architectural Design
- 651 Metalworking I
- 652 Metalworking II
- 661 Woodworking I
- 662 Woodworking II
- 665 Computer Science Programming
- 667 AP Computer Science Principles
- 668 AP Computer Science A

**World Languages**

- 351 French I
- 352 French II
- 353H Honors French III
- 354H Honors French IV
- 355 AP French Language
- 361 German I
- 362 German II
- 363H Honors German III
- 364H Honors German IV
- 381 Spanish I
- 382 Spanish II
- 383 Spanish III
- 383H Honors Spanish III
- 384 Spanish IV
- 384H Honors Spanish IV
- 385 AP Spanish Language



# Get Connected to NoRo\_Counseling!

1. Open the camera on your phone.
2. Scan the QR code.
3. Click to open App.
4. Follow NoRo\_Counseling.
5. Now you are in the NRHS loop!

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# School Counselor Appointment Request Form (for non-urgent purposes)



1. Open the camera on your phone.
2. Scan the QR code under the counselor that supports your last name.
3. Fill out the short Google Form for any non-urgent or non-emergency request to see your counselor. *You must be signed-in to your nrapps to complete form.*
4. Patiently wait for a pass.

Mrs. Hoag  
A - Di

Ms. Gaydos  
Dj - J

Mrs. Toth  
K - M

Mr. Spessard  
N - Sd

Mrs. Boduszek  
Se - Z

