

North Ridgeville City Schools
Grades 9 – 12
Program of Studies



2022 - 2023

THE PROGRAM OF STUDIES IS PUBLISHED AND PREPARED BY THE HIGH SCHOOL ADMINISTRATORS, COUNSELORS, AND TEACHERS. THE PURPOSE OF THIS PROGRAM OF STUDIES IS TO INFORM STUDENTS ABOUT COURSE REQUIREMENTS NEEDED TO SUCCESSFULLY MEET THE GRADUATION REQUIREMENTS OF THE NORTH RIDGEVILLE CITY SCHOOLS BOARD OF EDUCATION. DURING THE PERIOD OF COURSE SELECTION, TEACHERS AND COUNSELORS, WORKING TOGETHER WITH PARENTS AND STUDENTS, WILL HELP TO DEVELOP THE BEST ACADEMIC SCHEDULE POSSIBLE FOR EACH STUDENT ATTENDING NORTH RIDGEVILLE HIGH SCHOOL.

NORTH RIDGEVILLE CITY SCHOOL DISTRICT VISION: EMPOWERING STUDENTS TO DESIGN THEIR PREFERRED FUTURE.

NORTH RIDGEVILLE CITY SCHOOL DISTRICT MISSION: THE NORTH RIDGEVILLE SCHOOL DISTRICT, AN INNOVATIVE AND COLLABORATIVE DISTRICT, FOCUSES ON THE DEVELOPMENT OF THE WHOLE CHILD TO ENSURE SUCCESS.

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The Board designates the following individual to serve as the District's "Compliance Officer" (also known as "Civil Rights Coordinator") (hereinafter referred to as the "COs"): Human Resource Director, Annie Hostetler

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GRADUATION REQUIREMENTS

There is a 3-step process for high school graduation beginning with the Class of 2023.

1. Cover the Basics – Earn 22 credits
2. Demonstrate Competency
3. Show College & Career Readiness by earning 2 seals

Required Credits:

4 credits English
1 credit World History
1 credit American History
1 credit American Government
½ credit Economics
4 credits Mathematics*
3 credits Science
½ credit Health
½ credit Physical Education/P.E. Waiver**
½ credit Personal Finance***
1 credit Fine Art****
5 credits Electives
22 credits

* Must include 1 credit of Algebra 2.

** Students who complete two seasons of an Ohio High School Athletic Association sport, two seasons of marching band, or two years of spectrum of sound will be eligible for the Physical Education credit requirement to be waived.

*** Introduction to Business, Personal Finance, or Living on Your Own will fulfill this requirement.

**** Fine Art includes any course offered within the Art or Music Departments.

Lorain County Joint Vocational Students

Career Technical students attending the Lorain County Joint Vocational School will meet the requirement of American Government, Economics, and Personal Finance through successful completions of the Civics/Government course offered at the Lorain County Joint Vocational School. Fine Arts is not a requirement for Career Technical students.

DIPLOMA WITH HONORS REQUIREMENTS

Subject	Academic Honors Diploma
	Students need to fulfill all but one of the following criteria.
Mathematics	4 units, including Algebra 1, Geometry, Algebra 2 or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including 2 units of advanced science
Social Studies	4 units
World Language	3 units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages
Fine Arts	1 unit
Grade Point Average	3.5 on a 4.0 scale (unweighted)
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1280 SAT

Diploma with Honors requirements pre-supposes the completion of all high school diploma requirements in the Ohio Revised Code and of the North Ridgeville City Schools Board of Education.

The Ohio Department of Education has created other Honors Diplomas including a STEM Honors Diploma. Navigate to <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas> in order to view additional options. If you are interested in earning another Honors Diploma, you must meet with your counselor to confirm eligibility.

GRADING INFORMATION

Regular Classes				Honors Classes			
<u>Grade</u>	<u>Percent</u>		<u>Quality Points</u>	<u>Grade</u>	<u>Percent</u>		<u>Quality Points</u>
A	93	- 100	4.00	A	93	- 100	5.00
A-	90	- 92	3.67	A-	90	- 92	4.67
B+	87	- 89	3.33	B+	87	- 89	4.33
B	83	- 86	3.00	B	83	- 86	4.00
B-	80	- 82	2.67	B-	80	- 82	3.67
C+	77	- 79	2.33	C+	77	- 79	3.33
C	73	- 76	2.00	C	73	- 76	3.00
C-	70	- 72	1.67	C-	70	- 72	2.67
D+	67	- 69	1.33	D+	67	- 69	1.33
D	63	- 66	1.00	D	63	- 66	1.00
D-	60	- 62	0.67	D-	60	- 62	0.67
F	0	- 59	0.00	F	0	- 59	0.00

If a student scores above the top limit for a percentage by any fraction of .5 or more, the next highest letter grade will be considered achieved (e.g., 89.5% = A-).

Cumulative Grade Point Average

- The scale of quality points listed above shall be used to compute the cumulative grade point average (GPA). The cumulative grade point average shall be used to determine qualification for scholarships and awards, and other honors.
- Transfer students shall be awarded weighted credit only if that course or its equivalent receives a weighted grade in North Ridgeville City Schools.
- Transfer students cannot be awarded more than five (5) quality points.

Students will be recognized on the following criteria below.

High Honor Roll	3.8 and above
Honor Roll	3.5 to 3.79
Merit Roll	3.0 to 3.49

ATHLETIC ELIGIBILITY

All high school students MUST be enrolled in and earn passing grades in a minimum of five one-credit courses (or the equivalent) each and every grading period to have continuing eligibility. Any questions should be directed to the Athletic Director.

The eligibility or ineligibility of a student continues until the start of the fifth school day of the next grading period at which time the grades from the immediately preceding grading period becomes effective. EXCEPTION: Eligibility or ineligibility for the first grading period commences with the start of the fall sports season.

Eligibility is the responsibility of the student. Be sure to schedule classes carefully.

For eligibility, summer school grades may not be used to substitute for failing grades received in the final grading period of the regular school year or for lack of enough courses taken the preceding grading period.

NCAA ELIGIBILITY

Students wishing to participate in collegiate athletics need to begin planning freshman year. The NCAA regulates student athlete participation and sets eligibility requirements that must be met in order to participate in NCAA Division I or II collegiate athletics.

- All potential student athletes must register with the NCAA Eligibility Center in 11th grade at eligibilitycenter.org.
- Students must carefully put their academic plans in place to ensure all requirements are met.
- All college-bound athletes must complete a minimum of 16 core courses by graduation and must obtain a minimum GPA and ACT/SAT score in order to be eligible.
- The GPA and ACT/SAT Score sliding scale may be found at the NCAA Eligibility Center website.
- The NRHS courses that are approved by the NCAA are listed on the following page.

NCAA Approved Core Courses at North Ridgeville High School

English

English 9
Honors English 9
English 10
Honors English 10
English 11
English 12
Shakespeare
Creative Writing
Speech
AP English Language & Composition
AP English Literature & Composition
AP Research
AP Seminar

Mathematics

Algebra 1
Geometry
Honors Geometry
Algebra 2
Algebra 2A (0.5 credit)
Algebra 2B (0.5 credit)
Honors Algebra 2
College Prep Math
Introduction to Calculus
Pre-Calculus
Honors Pre-Calculus
AP Calculus AB
AP Calculus BC

Science

Physical Science
Honors Physical Science
Principles of Biology
Biology
Honors Biology

Science, continued

Chemistry
Honors Chemistry
Physics
Environmental Science
Anatomy and Physiology
Material Science of Chemistry
AP Chemistry
AP Physics 1 and 2

Social Studies

World History
Honors World History
American History
Honors American History
American Government
Economics
Psychology
Sociology
Social and Political Issues
AP American Government
AP Macroeconomics
AP European History
AP Psychology
AP United States History
AP World History Modern

World Language

Spanish 1
Spanish 2
Spanish 3
Honors Spanish 3
French 1
French 2
French 3
Honors French 4
American Sign Language I, II, III
Mandarin Chinese I, II, III

*All CCP core courses are NCAA approved.

ACADEMIC OPTIONS

HONORS/ADVANCED PLACEMENT

Honors/AP Classes are characterized by the following:

Workload – Expectations will exceed those over other courses at the same subject/same department.

Independent work – The amount expected of the student is greater than other courses.

Complexity and difficulty of material – Material is more difficult and complex than general education curricula.

Critical thinking skills – Honors/AP classes require a greater amount of activity at the higher levels of critical thinking, including synthesis and evaluation.

The student selection process for Honors or AP courses is designed to make the program available to those who will profit from the challenging work offered. Three factors are considered before a student is admitted to Honors or AP classes.

1. level of academic achievement (including standardized test performance)
2. evaluation of previous teacher
3. the expressed desire of student

Students receive honors credit for these classes. Students who register for an AP Course are required to take the AP Exam; students who score successfully on the AP Exam may earn college credit.

Advanced Placement Courses

Seminar	American Government	Calculus AB
Research	World History: Modern	Calculus BC
Language & Comp.	Macroeconomics	Comp. Science Principles
Literature & Comp.	Chemistry	Studio Art
Psychology	Physics 1	Art History
United States History	Physics 2	Music Theory
European History		

Advanced Placement Exams are available to all students. If you are interested in taking an AP exam in a course that North Ridgeville High School does not offer, please see www.collegeboard.org or see your school counselor for further information.

Honors and CCP Courses

English 9	LCCC ENG 161	A Cappella Choir
English 10	LCCC ENG 162	Symphonic Band
Spanish 3	Geometry	Biology
French 4	Algebra 2	Chemistry
LCCC FRNH 251G/252G	Pre-Calculus	KAP BIO Seminar
LCCC SPNH 251/252	LCCC MTHM 168	Physical Science
LCCC SPNH 257G/258G	LCCC MTHM 158	World History
LCCC CISS 121, 160	LCCC SDEV 102	American History

COLLEGE CREDIT PLUS

A student enrolled at North Ridgeville High School may be eligible to participate in the College Credit Plus Program. This is an opportunity for students to take classes at eligible post-secondary institutions. The purpose of this program is to promote rigorous academic pursuits and to provide a wider variety of options to high school students. The legislation for this program requires parents and students receive counseling regarding the program from the post-secondary site and that a letter of intent for the 2022-2023 school year be submitted to the guidance office no later than **May 1**. The completed CCP application is due in Guidance no later than **June 1**.

IMPORTANT - To ensure that a college credit plus course meets North Ridgeville High School graduation requirements; the course must be approved by your high school guidance counselor. Students accepted into the CPP (College Credit Plus) program must complete the college placement test and work with a college advisor regarding course placement.

Colleges and universities enrolling students are reimbursed from local school funding for tuition, textbooks, materials and fees. **Parents are required to reimburse the school district for incomplete or failed College Credit Plus courses and other related charges.** Students participating in College Credit Plus will be required to provide their own transportation to and from the area college.

LORAIN COUNTY JOINT VOCATIONAL SCHOOL

North Ridgeville High School students may choose to complete their junior and senior years of high school studying one of several two-year vocational programs at Lorain County Joint Vocational School (LCJVS) located in Oberlin, Ohio. Once enrolled into an LCJVS program, a student must complete the entire programming year as space for entrance into programs is competitive and limited. A student will receive a North Ridgeville High School diploma upon successful completion of the two years at LCJVS. Application to LCJVS begins in January of the 10th grade. Students should check with their counselor early in the 10th grade year about the various course offerings at LCJVS, application procedures, and the credit needed.

To avoid credit deficiency, a student should have completed a minimum of the following required courses in the 9th and 10th grades:

- 2 credits of English
 - 2 credits of math (Algebra and Geometry)
 - 2 credits of science (Physical Science and Biology)
 - 2 credits of social studies (World History and American History)
 - .5 credit of health
 - .5 credit of physical education
 - 2 credits of electives
- 11 Total Credits*

CREDIT FLEXIBILITY

Students may earn credits through:

- The completion of coursework;
- Testing out of or demonstrating mastery of course content; or
- Pursuing one or more educational options in accordance with the District's Credit Flexibility Plan.

Issuance of credit will be determined locally. Students who choose credit flexibility will complete the application and turn it in to their guidance counselor. The student and the appointed staff member will pre-identify and agree on the learning outcomes for the credit. Credits earned through this alternative means will be reflected on students' transcripts in the same way as traditional credits earned via seat time.

RANGER ACADEMY

Ranger Academy is an alternative to the traditional classroom experience. Ranger Academy offers students a small learning environment and an individualized learning platform. Acceptance into the program is determined by application and/or recommendation only.

RANGER HIGH TECH ACADEMY

A continuation of Ranger High Tech Academy grades 2-8. RHTA takes an integrated approach to STEM learning and delivers this learning through Project Based Learning. Acceptance into this program is by application. Students who are not currently in the program who wish to be considered for enrollment should contact the school's office. Please contact Coach Durkin at 440.353.1178 for more information.

SCHEDULING INFORMATION

Before beginning to choose your courses for next year, be sure to review the information related to required courses, graduation requirements, and college entrance recommendations.

You should be aware of the following information prior to scheduling:

1. All students in grades 9-10 must be enrolled in an average of six classes per semester.
2. All students in grade 11-12 must be enrolled in at least 5 credits for the school year.

Promotion to the next grade is only done in August except for those students who will meet the requirements for graduation during the current school year.

3. If a required subject is failed, it must be recovered as soon as possible.
4. Students may not repeat courses they have already passed. The only exceptions to this rule are: Yearbook, music performance classes, Broadcast Journalism, Web Development, Strength and Conditioning and Fabrication Lab.
5. Credits earned in an accredited high school summer program will be counted toward graduation providing the principal and your guidance counselor have given permission in advance.

FEES

Students may be assessed fees for materials for classes. Also, the following miscellaneous fees may be assessed. Bills will be sent after the start of school, and payment is due upon receipt. For all students, fees must be paid before any dance ticket may be purchased.

Parking	\$20.00
Technology Fee	\$25.00
Senior Fees	\$45.00
Planners	\$ 5.00
Junior Testing Fee	\$16.00

INFORMATION REGARDING SCHEDULE CHANGES

Course requests that students make drive our schedule. In other words, we work diligently to create a master schedule that ensures that students get the classes they request.

1. Prior to June 1, a student, with parent permission, may change a selected course for the following school year by requesting the change in writing to the counselor.
2. From June 1 through the first day of school, the only changes that will be permitted are those which are necessary due to the failing of a course or attending and passing a course in summer school.
3. During the first three weeks of the school year, only those changes which are essential to the student's program of studies or that correct serious errors in scheduling will be considered. The following are examples of these types of changes:
 - not enough credits are scheduled
 - a prerequisite course was failed or not taken
 - a scheduled course was previously taken and passed
 - a course was requested and not received if it is available
 - a course required for promotion or graduation is not scheduled
 - there is a computer error
 - a student's previous performance indicates that he/she is scheduled at the wrong level
 - a class may be added if there is an opening
4. Schedule changes will NOT be made for the following reasons:
 - The student no longer wants the course
 - The student signed up for an AP course and did not do the summer work
 - The student wishes to get into a class or lunch with a friend
 - The student did not get a preferred teacher
5. The Board of Education reserves the right to cancel any course or program offering due to insufficient enrollment or staffing and funding.
6. Schedules will not be changed to facilitate an early dismissal, late arrival, or privileges.

NRHS COURSE DESCRIPTIONS

Advanced Placement Capstone Program

This course is the first course in the two-year AP Capstone program.

<https://apcentral.collegeboard.org/courses/ap-capstone>

AP Seminar

Credit: 1

AP Test Fee: \$20

Open to: 10, 11, 12

AP Seminar is a foundational course that engages students in cross curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students may choose topics of their interest throughout the year. Using an inquiry framework, students practice reading, analyzing article and research studies while working in teams to design solutions to real world topics. Teams work closely to design and deliver multimedia presentations to their peers.

Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Students will develop college level reading, writing and presentation skills while participating in this course.

Students who register for this course are required to take the AP Exam.

This course is the second course in the two-year AP Capstone program.

This course allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students may choose any topic of their interest, including topics outside of typical Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. These skills will enhance the students' knowledge of the research process prior to attending college; skills and knowledge that are quickly becoming increasingly valued at the post-secondary level. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. Students will work on the study, paper, reflection portfolio, and presentations throughout the year, while learning about the steps and processes involved in developing original research.

AP Research

Credit: 1

AP Test Fee: \$20

Open to: 11, 12

Prerequisite: AP Seminar

Students who register for this course are required to take the AP Exam.

ART

Art Department Course Tiers & Prerequisites	
Focus	Prerequisites
Art Foundations **2D Explorations	<ul style="list-style-type: none"> • No Prerequisite • Any Student can enroll in Art Foundations. • **2D Explorations students are enrolled by 8th grade teacher recommendation only. This course functions as an Art Foundations equivalent for prerequisites. • Students must pass Art Foundations as a prerequisite for any Tier 1 course.
Photography Ceramics I Painting I Drawing I Graphic Design	<ul style="list-style-type: none"> • Prerequisite: Art Foundations
Ceramics II Painting II Drawing II Contemporary Craft (2 SEMESTERS OF ART COURSES REQUIRED BEFORE SIGNING UP)	<ul style="list-style-type: none"> • Prerequisite (Ceramics II; Painting II; Drawing II): Art Foundations <u>AND</u> the Tier 1 corresponding course (<i>ie. Ceramics I is a prerequisite for Ceramics II</i>) • Contemporary Crafts Prerequisite: Art Foundations <u>AND</u> any Tier 1 Course.
Advanced Art	<ul style="list-style-type: none"> • Prerequisite: Art Foundations <u>AND</u> any TWO courses from Tier 1-2
AP Studio	<ul style="list-style-type: none"> • For this college level course, it is advised that the student has taken courses through tier 2 at minimum for success in this course.

**2-DIMENSIONAL
EXPLORATION**

Credit: 1
Fee: \$37
Open to: 9
Prerequisite: Teacher
recommendation

This course is designed for freshman students who are interested in completing an art major program. Concepts of elements and principles of art are reviewed. Basic techniques and concepts through various medium (drawing, painting, etc.), are expanded upon. A sketchbook is required. This course functions as an Art Foundations equivalent for prerequisites.

ART FOUNDATIONS

Credit: ½
Fee: \$25
Open to: 9, 10, 11, 12

This is an entry-level course designed for freshmen and sophomores to begin to fulfill their fine art graduation requirement as well as a prerequisite for any other course. This comprehensive course incorporates the basic concepts and foundations of design using a wide variety of media and techniques including drawing, painting, print, and craft.

ADVANCED ART

Credit: 1
Fee: \$35
Open to: 11, 12
Prerequisite: Art Foundations,
and two other art electives

This course offers students the opportunity to pursue personal depth while exploring and developing their skills. Each student creates a portfolio and learns the process of exhibiting work.

AP ART HISTORY

Credit: 1
AP Test Fee: \$20
Open to: 10, 11, 12
Prerequisite: Teacher
recommendation

This is an Advanced Placement course that surveys both western and eastern art history. Students may gain college credit for this course by taking the AP exam in May. Students are required to keep a notebook of lecture notes.

Students who register for this course are required to take the AP Exam.

AP STUDIO ART

Credit: 1
AP Test Fee: \$20
Fee: \$40
Open to: 10, 11, 12
Prerequisite: Advanced Art or
portfolio review

This course is designed for students who are seriously interested in the practical experience of art. Students will work to submit portfolios in 2D Design, 3D Design, and Drawing- corresponding to common college foundations courses. This course will be offered every other year based on enrollment.

Students who register for this course are required to take the AP Exam.

CERAMICS 1

Credit: ½
Fee: \$30
Open to: 9, 10, 11, 12
Prerequisite: Art Foundations

This course is designed to expand concepts of art and design by using hand building and wheel thrown methods. Students will gain an in depth understanding of ceramics art, creation, and history.

CERAMICS 2

Credit: ½
Fee: \$30
Open to: 10, 11, 12
Prerequisite: Ceramics 1

Students will learn the process of throwing clay and creating "functional" ceramic pieces. The semester is dedicated to the practice and production of multiple pieces that will result in an end of course critique.

PHOTOGRAPHY

Credit: ½
Fee: \$45
Open to: 9, 10, 11, 12
Prerequisite: Art Foundations

Students will learn the mechanics of a camera and learn to create artwork using digital imaging. All aspects of shooting in different camera modes will be explored. The entire work flow process from planning, staging, and taking photographs to formatting for print will be practiced and reviewed.

PAINTING 1

Credit: ½
Fee: \$35
Open to: 9, 10, 11, 12
Prerequisite: Art Foundations

Emphasis upon different studio applications of painting. This will be a time when students become aware of the studio idea and of a personal vision and voice.

PAINTING 2

Credit: ½
Fee: \$35
Open to: 10, 11, 12
Prerequisite: Art Foundations
and Painting 1

Students will learn how to select an effective and personal approach to using techniques and thematic content to develop personally meaningful paintings. Emphasis on different studio applications of painting will be refined.

DRAWING 1

Credit: ½
Fee: \$20
Open to: 9, 10, 11, 12
Prerequisite: Art Foundations

Emphasis upon different studio applications of drawing. This will be a time when students become aware of the studio idea and of a personal vision and voice.

DRAWING 2

Credit: ½
Fee: \$20
Open to: 10, 11, 12
Prerequisite: Art
Foundations and Drawing 1

Students will work with advanced media such as pen and ink, charcoal, colored pencils, oil pastels, and mixed media while being encouraged to develop their own expression and style as well as thematic content.

CONTEMPORARY CRAFTS

Credit: ½
Fee: \$45
Open to: 10, 11, 12
Prerequisite: full art
credit including Art
Foundations plus one
additional semester art
course

This is a hands-on course designed to give students opportunities to develop skills in a variety of craft techniques. The course delves into the history of each craft and its application to today's society. The class will give students an opportunity to design a business based on a craft and market their product. Examples of the skills that may be developed include but are not limited to macramé, decoupage, charted designs, basketry, weaving, quilting, knitting, crocheting, paper craft, and stamping.

GRAPHIC DESIGN

Credit: ½
Fee: \$35
Open to: 9, 10, 11, 12
Prerequisite: Art
Foundations

This course explores visual design and typography in a variety of contexts while developing computer-based skills in graphic design programs within the Adobe creative suite. The use of visual design and communication web and print-based media will also be a focus.

BUSINESS TECHNOLOGY

ACCOUNTING 1

Credit: 1
Open to: 9, 10, 11, 12

The student will learn to apply basic accounting procedures used by business organizations. Topics include general ledger, accounts payable and receivable, banking, financial statements, payroll, inventory, and taxes. Students will learn both manual and computerized accounting skills. This is a valuable course for career and personal use.

ACCOUNTING 2

Credit: 1
Open to: 10, 11, 12
Prerequisite: C in Accounting 1

Accounting 2 provides the student with preparation for employment as an entry-level accountant. Students will focus on departmental accounting, voucher systems, general accounting adjustments and using accounting software. The course provides skills to enable the student to do further work in accounting on a college level.

BUSINESS LAW

Credit: 1
Open to: 10, 11, 12

In this course, students are given the opportunity to explore the different avenues of Business Law including: contracts, commercial transportation, bailments, sales contracts, agency, insurance, and property ownership. Students also have the opportunity to take on courtroom roles during mock trials.

INTRODUCTION TO BUSINESS

Credit: 1
Open to: 9, 10, 11, 12

In this course, students are presented an overview of the operation of our economic system and the functions of business which everyone will encounter in his/her personal life. Specific business services that are offered to the public are studied and problems are presented which help the student to develop the skill to make wise choices, to include: banking, credit, insurance, savings and investment. Consideration is given to the various careers in different work areas and the formal education, skills, and attitudes that are prerequisites for employment in these careers. This class meets the Personal Finance requirement.

PERSONAL FINANCE

Credit: ½
Open to: 9, 10, 11, 12

Personal Finance is designed to help students apply the necessary resources to achieve an independent lifestyle. This course will cover money management, Federal Income Tax, budgets, financial records, financial security, retirement, estate planning, as well as credit management, renting and purchasing property, and different types of insurance. In addition, we will use a computer simulation program to reenact real life situations. This class meets the Personal Finance requirement.

ENTREPRENEURSHIP

Credit: ½
Open to: 10, 11, 12

Entrepreneurship is a class that is designed to help students evaluate the pros and cons of starting their own business. This class includes a review of economic concepts, along with an introduction to the many business functions needed by an entrepreneur. These concepts include but are not limited to, marketing, management, and record keeping. Throughout the semester, students will work on creating their own business plan.

MARKETING IN ACTION

Credit: ½
Open to: 10, 11, 12

Knowledge of marketing is indispensable to a student planning a business career, and provides a practical basis to the student seeking other careers. Marketing provides the student with materials that relate directly to the total business economy. Marketing management principles will also help the student understand marketing characteristics and practices. Desktop publishing skills are developed using various software programs. Students learn to create print advertisements for products and services.

WORD PROCESSING

Credit: ½
Open to: 9, 10, 11, 12

In today's information age, every student needs keyboarding skills. This course introduces students to basic computer concepts, fundamentals of keyboarding (touch typing of alphabetic, numeric, and symbol keys), and basic document formatting. Students will achieve a minimum typing speed of 25 words per minute.

COMPUTER APPLICATIONS

Credit: ½
Open to: 9, 10, 11, 12

Computer Applications allows students to explore the finer details of word processing, spreadsheet, database, and presentation software applications. Other academic software applications will be included in the course curriculum. The dynamic nature of the software application field necessitates flexibility in the course curriculum. Students will discover emerging software applications as they become available for Chromebook.

**SPORTS, ENTERTAINMENT
AND STREET LAW**

Credit: ½
Open to: 10, 11, 12

This course will cover marketing strategies, target marketing, promotions, pricing, stadiums, athlete endorsements, sponsorships, licensing, logos, event planning and more. This course will develop critical thinking skills, decision making and communication skills. This course will combine Street Law concepts along with Sports and Entertainment. Students will explore current event topics in sports, work in teams on a variety of realistic projects, and participate in a Virtual Sports Business Simulation.

BUSINESS OF HOSPITALITY

Credit: ½

Open to: 10, 11, 12

This course will enable students to explore strategies in hotel management and location, types of lodging, key players and services, information and risk managements. The student will be given perspective on how marketing shapes the future of the hospitality industry and possible career opportunities.

ADVANCED COMPUTER APPLICATIONS

Credit: ½

Open to: 10, 11, 12

Prerequisite: Word Processing 1 and Computer Applications

This course provides a more in-depth study of the Microsoft Office Suite. Students will learn advanced word processing concepts such as watermarking, SmartArt, and mail merge; spreadsheet techniques such as financial functions, lookups, 3D references, and loan calculations; and presentation skills such as creating custom backgrounds, charts, and actions buttons. Students will compile their completed projects in a portfolio.

MICROCOMPUTER APPLICATIONS: LCCC CISS 121

Credit: 1 (3 LCCC Credit Hours)

Prerequisite: Students must apply to LCCC and meet the satisfactory score on placement test.

Introduction to microcomputer applications. Survey of application packages including Windows, word processing, spreadsheets, Internet, presentation and graphics. Includes hardware concepts and basic computer terminology and email. Guidelines for selecting and evaluating hardware and software.

This is a College Credit Plus course.

INTRODUCTION TO PROGRAMMING: LCCC CISS 160

Credit: 1 (3 LCCC Credit Hours)

Prerequisite: LCCC CISS 121 or division approval

An introduction to the program development process and business programming using the C# (C-sharp) programming language. Topics include programming fundamentals, algorithm design, functions and procedures, arrays, sequential file processing, and database access. The object-oriented programming (OOP) model is emphasized throughout the course. Laboratory required.

This is a College Credit Plus course.

MARKETING IN THE DIGITAL AGE

Credit: ½

Open to: 9, 10, 11, 12

Students will apply tools, strategies, and processes to communicate digitally with prospective customers. They will create, implement, and critique online advertising websites, social media, search engine optimization, and video/images. Students will create and repurpose content for use in digital environments. Technology, employability skills, and communications will be incorporated into classroom activities.

**AP COMPUTER SCIENCE
PRINCIPLES**

Credit: 1
AP Test Fee: \$20
Open to: 10, 11, 12
Prerequisite: Teacher permission

In this course, students will learn the fundamentals of computer science using the Java programming language. It begins by focusing on programming basics and then on writing full classes and the logic and structures around building them.

AP Computer Science is the equivalent of an introductory college-level programming class and will prepare students for the AP exam.

Students who register for this course are required to take the AP Exam.

ENGLISH/LANGUAGE ARTS

The High School English Program is a four-year curriculum designed to assist students in developing skills in listening, speaking, reading literary and informational texts, and composition.

The English Department requires Honors and AP students to complete a summer reading assignment.

Summer Reading:

Honors English 9: two required books (available at the end of the school year)

Honors English 10: two required books (available at the end of the school year)

AP English Language & Composition: one required book

AP English Literature & Composition: two required books

Students will be required to purchase or procure selected paperbacks.

HONORS ENGLISH 9

Credit: 1

Prerequisite: Placement test

Open to the college-bound students who are academically superior in Language Arts skills. This course will include the study of world literature, composition, and speech. Students will be required to purchase or procure selected paperbacks. Students will be responsible for up to two summer reading books and completing projects on each book throughout the summer.

ENGLISH 9

Credit: 1

Open to all students with grade-level skills in Language Arts. This course will include the study of world literature, composition, and speech. Students will be required to purchase or procure selected paperbacks.

HONORS ENGLISH 10

Credit: 1

Prerequisite: Teacher recommendation and a grade of B or higher for 2 previous semesters.

Open to college-bound students academically superior in Language Arts skills. This course will continue the study of world literature, composition, and speech begun in English 9. Students will be required to purchase or procure selected paperbacks.

ENGLISH 10

Credit: 1

Prerequisite: English 9

Open to all students with grade-level skills in Language Arts. This course will continue the study of world literature, composition, and speech. Students will be required to purchase or procure selected paperbacks. Students will be responsible for up to two summer reading books with a corresponding project throughout the year.

**AP ENGLISH LANGUAGE
AND COMPOSITION**

Credit: 1
Fee: \$5
AP Test Fee: \$20
Prerequisite: Teacher recommendation and a B or higher for the two previous semesters; previous honors experience is highly recommended

Open to college-bound student's superior in Language Arts skills. This college-level English course focuses on developing skills in close reading, effective writing, and critical thinking, as students read non-fiction and fiction texts. The course emphasizes the techniques and tools of classical rhetoric required to analyze difficult texts. In both whole-class and small-group discussions, students will focus on how writers and speakers achieve their purpose and communicate this purpose to an audience. Further, these texts will serve as models for students who will write frequently, with an emphasis on expository, argumentative and personal reflection forms. Students will be required to purchase or procure selected paperbacks.

Students who register for this course are required to take the AP Exam.

ENGLISH 11

Credit: 1
Prerequisite: English 10

Open to all students with grade-level skills in Language Arts. This course will continue the study of American literature. Students will be required to purchase or procure selected paperbacks.

ENGLISH 12

Credit: 1
Prerequisite: English 11

Open to all students with grade-level skills in Language Arts. This course will focus on the study of composition through British literature. Completion of a research paper is required. Students will be required to purchase or procure selected paperbacks.

**AP ENGLISH LITERATURE
AND COMPOSITION**

Credit: 1

Fee: \$5

AP Test Fee: \$20

Prerequisite: Teacher recommendation and a B or higher for the two previous semesters

Open to college-bound student's superior in Language Arts skills. This course is designed around the careful study and critical analysis of dynamic literature typically found in the sophomore year of the college curriculum. The process of reading and writing on the selected works will deepen the student's understanding of how writers hone their craft to create meaning and give pleasure to their readers. Students can expect a strenuous workload consisting of a multitude of essays along with homework averaging thirty to sixty minutes a night. Students will be responsible for up to three summer reading books and completing projects on each book throughout the summer. Some selections may contain adult content. It is highly recommended that students take AP English Language and Composition before enrolling in AP Literature. Students will be required to purchase or procure selected paperbacks.

Students who register for this course are required to take the AP Exam.

**COLLEGE COMPOSITION I
LCCC ENGL 161**

Credit: 1

(3 LCCC credit hours)

Prerequisite: students must apply to LCCC and meet the satisfactory score on placement test.

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. English Core Course. (OTM)

**COLLEGE COMPOSITION II
LCCC ENGL 162**

Credit: 1

(3 LCCC credit hours)

Prerequisite: LCCC ENGL 162

A writing course continuing the practice of skills introduced in ENGL 161, as well as strategies of argumentation and secondary research leading to a research paper. English Core Course. (OTM)

ENGLISH ELECTIVES

The following electives assist students to improve skills or to pursue a special interest in more depth. Credit earned does not count, however, toward the four credits of English required for graduation.

* Note: Creative Writing and Speech will be offered every other year, alternating between the two.

SHAKESPEARE

Credit: ½

Open to: 10, 11, 12

Prerequisite: B average or better in English

In this elective semester course students will explore a minimum of four Shakespearean plays in depth. The history of Elizabethan theater, costumes, scenery and language of Shakespeare's time will be studied. This course is designed with independent study in mind. Heavy class participation and above average writing skills are required.

CREATIVE WRITING

Credit: ½

Open to: 10, 11, 12

Prerequisite: B average or better in English

Creative Writing is designed for those students who wish to improve their writing through experimenting, critiquing, and reading. A workshop approach will be used to write stories, poems, and essays. Keeping a journal, writing daily, and sharing during group discussions are required. During the second half of the course, students will formulate with the teacher a writing plan in a genre of their choosing (poetry, short story, novella, nonfiction). *This course will be offered the 2022-23 school year.*

SPEECH

Credit: ½

Open to: 11, 12

Prerequisite: English 10

This course emphasizes speaking skills needed in professional and social communication. Students will be required to give speeches in class. *This course will be offered the 2023-24 school year.*

READING SKILLS

Credit: 1

Open to: 9, 10, 11, 12

Prerequisite: Teacher recommendation

Open for students with significant reading deficiencies. This course is designed to improve students' reading skills with the use of a specifically-designed reading program.

**BROADCAST
JOURNALISM**

Credit: 1
Fee: \$20
Open to: 9, 10, 11, 12
Prerequisite: Application form, three teacher references.

This course is designed to prepare informed, principled, disciplined and creative Broadcast Journalists. This program is designed to train news and sports videography, editing, reporting, and anchoring. The program includes use of broadcast news gathering equipment, both audio and visual, news writing, news-casting, news editing, interviewing, researching, digital video editing, video production, and practical Broadcast Journalism experiences. Students will be afforded the opportunity to integrate these skills in the creation of actual TV broadcasts. Students can expect to work toward mastering the following aspects of video production: professionalism, workplace ethics, professional portfolios, live sports production, play by play announcing, commercial and short story production, promotional graphics design, and newscast production. This course can be repeated.

YEARBOOK

Credit: 1
Fee: \$15
Open to: 9, 10, 11, 12
(Previous NRHS yearbook experience is required for Seniors to be in this class.)
Prerequisite: Application form, two teacher references, and interview

This course will give students the chance to gain experience with all aspects of scholastic journalism and print/media arts production, including interviewing and reporting, copy and caption writing, layout and page design, photography and digital post-processing, and business marketing and advertising design. Skills of emphasis include group problem solving and collaboration, planning and reaching deadlines, critical/creative thinking, independence and time management, and producing an excellent product for the school community. Members of the yearbook staff spend a significant amount of time on the yearbook outside of class, including the time necessary to cover school news and events.

FAMILY AND CONSUMER SCIENCE

These courses are designed to prepare students for independence and adulthood. Below are examples of topics covered during each course. The student will be responsible to get his/her own sewing project supplies before the project start date. Fees will be assessed for these courses.

PRINCIPLES OF FOOD & TEXTILES

Credit: 1
Fee: \$35
Open to: 9, 10
Prerequisite: None

This class teaches students the fundamentals of culinary and textiles. Passage of this course is required to take advanced cooking and sewing classes. Culinary will teach the basics involved in simple meal preparation. Topics include kitchen safety and sanitation, food borne illness prevention, kitchen tools and equipment, cutting skills, measuring skills, kitchen math, recipe reading, and cooking terminology. Fashion will teach you what makes a quality garment, how to care for clothing, and how to make the most of your clothing budget through basic clothing mending. You will also learn about project planning and time management while constructing a sewing project. Student is responsible for the cost of one sewing project.

CULINARY FUNDAMENTALS

Credit: ½
Fee: \$35
Open to: 11, 12 who have not taken a prior culinary class
Prerequisite: None

In this course, students will learn fundamental culinary techniques such as food poisoning prevention, how to follow a recipe and cooking terminology. Students will also be shown how to perform different cutting techniques, they will be able to distinguish between types of cookware, enhance their time management skills, and demonstrate proper measuring ability. Students will learn through typical classroom instruction as well as in kitchen labs.

AMERICAN CUISINE

Credit: ½
Fee: \$35
Open to: All
Prerequisite: Intro to FCS

American cuisine reflects the history of the United States, blending the culinary contributions of various groups of people from around the world, including indigenous American Indians, African Americans, Asians, Europeans, Pacific Islanders, and Latin Americans. We will study the 7 regions of the United States in order to understand how the people who settled there influenced each region. You will also have the opportunity to prepare the distinctive foods of each area. *This course will be offered the 2022-23 school year.*

BAKING FOR BEGINNERS

Credit: ½
Fee: \$35
Open to: All
Prerequisite: Intro to FCS

This course is about the fundamentals of baking, and everything we make will be from SCRATCH, no box mixes here! Topics include baking terminology, functions of ingredients, the importance of accuracy in measurement, and the use of proper flours. Items prepared will include quick breads, yeast breads, cookies and brownies, pies and tarts, and cakes and icings. *This course will be offered the 2023-24 school year.*

FOOD SCIENCE

Credit: ½
Fee: \$35
Open to: All
Prerequisite: Intro to FCS

In this course students will apply basic culinary practices and understand how flavor, texture and appearance are affected during food preparation. Having a deeper understanding of how ingredients behave will enable you to prepare different recipes with more creativity and confidence. You will obtain this knowledge through classroom instruction and hands-on food experiments done in kitchen labs. Topics covered may include menu terms, flours, herbs, spices, spicy chili peppers, sweeteners, leavening agents, fats, pastas, etc... *This course will be offered the 2022-23 school year.*

GLOBAL FOODS

Credit: ½
Fee: \$35
Open to: All
Prerequisite: Intro to FCS

Are you willing to try new foods? Like the idea of learning about how people in different countries cook, eat, dress, and talk? In Global Foods we begin by studying the United States' regions in order to understand how each region influenced American culture. Next, we will select different countries and explore the cultural characteristics of each. Since learning about a country's food is such an essential part of culture, you will be preparing recipes from locations studied. *This course will be offered the 2023-24 school year.*

SPORTS NUTRITION AND WELLNESS

Credit: ½
Fee: \$35
Open to: All
Prerequisite: Intro to FCS

Come explore and learn about living a healthy lifestyle! Find out about the nutrients our bodies need and why we need them. Investigate the new eating patterns and buzzwords you hear constantly in the news and on social media. And what about all those lose weight quick claims you hear attached to certain foods and supplements – are they for real? Find out what kind of exercise you really need to stay healthy through our Fitness Friday activities. Learn to cook healthy meals that taste great and are easy and quick to prepare. *This course will be offered the 2022-23 school year.*

FASHION, FABRICS, & CONSTRUCTION

Credit: ½
Fee: \$5
Open to: All
Prerequisite: Teacher Approval Sig.

If sewing is your thing, this is the course for you. Expand upon your knowledge of fibers, fabrics, and construction that was learned in Fashion Fundamentals by creating your own sewing projects. Develop new sewing techniques and skills using a variety of equipment. Explore the fashion world and careers related to the fashion industry. Additional expenses for projects may be necessary depending upon projects selected. *This course will be offered the 2022-23 school year.*

COLLEGE AND CAREER READINESS

Credit: ½
Fee: \$5
Open to: 9, 10
Prerequisite: None

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review post-secondary admissions qualifications, and develop interviewing skills. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, and leadership.

STRATEGIES FOR CREATING COLLEGE SUCCESS: LCCC SDEV 102

Credit: 1 (3 LCCC Credit Hours)
Recommended for: 11, 12
Prerequisite: Students must apply to LCCC and meet the satisfactory score on placement test.

An introductory interactive course designed to introduce valuable resources and to teach strategies for creating success in college and in life and improving academic performance. Topics include personal responsibility; motivation, personal, academic and career goal setting; learning styles; study skills; decision-making; problem solving; and priority management. This course may be used to fulfill the College 101 requirement.

This is a College Credit Plus course.

LIVING ON YOUR OWN

Credit: ½
Fee: \$5
Open to: 10, 11, 12
Prerequisite: None

Can you survive on your own after high school? Whether you are going to college or joining the workforce, learn the skills needed to live on your own and to manage your personal finances. Units include: checking and savings accounts, banking skills, credit and loans, saving and investing, insurance options, taxes, social security, spending patterns and budget planning, contracts, and consumer protection.

DYNAMIC RELATIONSHIPS

Credit: ½
Fee: \$5
Open to: All
Prerequisite: None

None of us live in a bubble free from other people. Who would want to? The interactions and relationships we have with others allows us to learn about the world and ourselves. Explore the many layers hidden in our different relationships and discover a lot about yourself in the process. Learn how to be a healthy, happy, contributing member in those relationships. Topics include cultural and societal influences, family similarities and differences, character building and respect, peer group influence, communication, social expectations, dating, healthy boundaries, love, marriage, etc... *This course will be offered the 2023-24 school year.*

EARLY CHILDHOOD DEVELOPMENT

Credit: ½
Fee: \$20
Open to: All
Prerequisite: None

If you're interested in learning about children or one day working with children, then this is the class for you. In this course, you will study the principles of child growth, development, and behavior. An emphasis will be placed on the cognitive development of a child, as well as sensory and motor skills. Additional topics will include children with special needs, theories of development, learning styles, guidance and discipline, and evaluating childcare services. The focus of this class is the development of children from infancy to school age. *This course will be offered the 2023-24 school year.*

PARENTING PRACTICES

Credit: ½
Fee: \$20
Open to: 10, 11, 12
Prerequisite: None

Do you plan on one day becoming a parent, working with infants and toddlers, or a career related to pregnancy and childbirth? In this class, we will discuss the importance of families and making the decision to have children. You will learn about the development of a baby from conception to birth and the importance of proper prenatal care. We will finish the semester discussing the proper care of an infant, cognitive and physical development, and child-related careers. You can experience the demands of parenting by taking home one of our RealCare Infant Simulators! *This course will be offered the 2022-23 school year.*

HOME DECORATING

Credit: ½
Fee: \$25
Open to: All
Prerequisite: None

Learn about the principles of design and how to make spaces look aesthetically pleasing and function well. This class will help students understand how much is involved when creating beautiful places. In this class architectural styles, furniture, floor plans, lighting, flooring, window coverings, wall treatments, enhancement pieces, etc...will be explored in order to create a final dream room project utilizing the skills learned. This class should be considered for students who are creative or who value the beauty found in our surroundings. *This course will be offered the 2022-23 school year.*

HEALTH AND PHYSICAL EDUCATION

HEALTH

Credit: ½
Fee: \$5
Open to: 9, 10, 11, 12

Included in the study of health will be topics such as suicide prevention, CPR/AED, teen dating/violence, alcohol, tobacco, drugs, mental and emotional health, wellness in general, nutrition, physical fitness, and responsible sexual behaviors.

TEAM SPORTS

Credit: ¼
Fee: \$5
Open to: 9, 10, 11, 12

This semester course is divided into several sessions. The students will be instructed in fitness and fundamental sports (including but not limited to flag football, softball, and volleyball). Fitness is tracked through a computer program and students are given state mandated assessments.

INDIVIDUAL LIFETIME ACTIVITIES

Credit: ¼
Fee: \$5
Open to: 9,10, 11, 12

This course is designed for the student who wishes to participate in individual lifetime activities such as walking, healthy eating and nutrition, fitness, and aerobic activities including light weights. This course is offered to students seeking to expand their skills in a variety of recreational activities. Fitness is tracked through a computer program and students are given state mandated assessments.

WALKING FOR FITNESS

Credit: ¼
Fee: \$5
Open to: 9,10, 11, 12

This class enables students to engage daily in fitness for life activities. A variety of walking workouts accompanied with other exercises will allow students to become fit and more knowledgeable about techniques of stretching, injury prevention and workout varieties. Personal qualities, such as self-esteem, leadership, self-discipline, goal setting and weight control are all to be gained from this fitness class.

STRENGTH AND CONDITIONING

Credit: ½
Fee: \$5
Open to: 9, 10, 11, 12
Prerequisite: PE requirement met or eligible for PE waiver

This course is designed for athletes who want to learn strength and conditioning skills and techniques or students who have met their physical education requirement. The beginning student will learn basic lifts and techniques. Weight training terminology will be emphasized. Weight room safety and workout procedures will be followed. A total body, general workout will be emphasized. Testing will be included.

INDUSTRIAL TECHNOLOGY

INDUSTRIAL TECHNOLOGY

Credit: 1
Fee: \$40
Open to: 9, 10, 11, 12

This course is project driven through problem solving, designing and developing the principles and practices used in industry.

WOODWORKING TECHNOLOGY

Credit: ½
Fee: \$35
Open to: 9, 10, 11, 12

This course will deal with different principles of wood: technology of woods, cutting of woods, layout tools, power tools and machines. Emphasis will be placed on today's technology and how it relates to industry.

ADVANCED WOODWORKING

Credit: 1
Fee: \$55
Open to: 11, 12
Prerequisite: C in Woodworking Technology

This course is for the student who desires to go further into the wood processes. The specific processes involved will be designing, machine operation and maintenance, furniture making, carpentry, finishing, and career opportunities.

DRAFTING 1

Credit: 1
Fee: \$29
Open to: 9, 10, 11, 12

Drafting 1 is a full year course which allows the student to develop drafting skills and techniques that are commonly used in industry. The course begins with an introduction to basic hand drafting practices and transitions towards computer aided drafting (CAD). CAD will consume the majority of the class and is emphasized in learning advanced drafting skills and techniques. Students will become proficient in AutoCAD and transition into 3-dimensional modeling using Autodesk Inventor.

DRAFTING 2

Credit: ½
Fee: \$29
Open to: 11, 12
Prerequisite: Drafting 1 or PLTW
IED

Drafting 2 is a semester course that builds on concepts learned in Drafting 1 and introduces SolidWorks as the primary 3D design software. SolidWorks is the leading design software commonly used in industry. This course will make the students proficient with SolidWorks and allow them to design/model with confidence. The course covers model creation, retrieval and modification of 3-D and layout drawings using SolidWorks commands.

METALWORKING

Credit: ½
Fee: \$55
Open to: 9, 10, 11, 12

This course will develop skills and knowledge in metalworking and the American metal industry. Areas to be covered include: safety, design, sheet metal, art metals, bench metals, and welding.

METALLIC MATERIALS AND PROCESSES 2

Credit: ½
Fee: \$55
Open to: 10, 11, 12
Prerequisite: Metalworking

This course will continue the development of skills and knowledge in metalworking and the American metal industry that are taught in Metalworking.

DESIGN AND MANUFACTURING TECHNOLOGY

Credit: ½
Fee: \$45
Open to: 10, 11, 12

The class begins with an introduction to manufacturing technology, technical systems, and the historical evolution of manufacturing. Students will examine the organization and management of manufacturing endeavors. The class culminates in the design and production of a product in a manufacturing enterprise situation which closely parallels the functions of a manufacturing corporation.

ROBOTICS

Credit: ½
Fee: \$20
Open to: 10, 11, 12

In this course students will learn concepts and skills for use in modern day robotics. Students will also look at the importance and role of robotics in our world today. The VEX Robotics Design System will allow students to gain hands on experience of building, programming, and controlling a robot.

BASIC ELECTRICITY AND ELECTRONICS

Credit: ½
Fee: \$19
Open to: 10, 11, 12

This course is for the student to obtain a practical and relevant knowledge of electricity. The course will include: history of electricity, generation of electricity, principles of electricity, A.C. and D.C. currents, series and parallel circuits, lighting fundamentals, alternate sources of electricity, house wiring principles, and proper use of electrical test instruments.

FABRICATION LAB

Credit: ½
Fee: \$30
Open to: 10, 11, 12
Prerequisite: Introduction to Engineering Design or Drafting 1

Do you want to use state-of-the-art equipment to design, build and test almost anything? Would you like to develop the technological, problem-solving and hands-on skills desired by employers? If your answer is yes, then this course is for you. In Fab Lab Intro, computer-controlled fabrication technologies such as 3D printers, lasers, vinyl cutters and milling machines will be used to transform a product idea into its tangible form. Students will explore many interrelated career fields, including engineering, science, mathematics, graphic design, computer aided design (CAD), electronics, and entrepreneurship.

PROJECT LEAD THE WAY - INTRODUCTION TO ENGINEERING DESIGN

Fee: \$20
Open to: 9, 10, 11, 12
Prerequisite: Algebra 1 and a high school science class

In this course students will get hands on experience of the complete design process. Students will become familiar with brainstorming, sketching, measurement, unit conversion, statistics, and the Autodesk Inventor 3D modeling software.

MATHEMATICS

ALGEBRA 1

Credit: 1
Open to: 9

This course serves as the gateway to all future math courses. Students focus their studies on the three elementary function types: linear, exponential, and quadratic. Students study the algebraic and graphical representations of each function type as well as exploring their real-world applications. Other related topics of emphasis include systems of equations, inequalities, exponent properties, radicals, polynomial arithmetic, and factoring polynomials. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

ALGEBRA 1 SUPPORT

Credit: 1
Open to: 9
Prerequisite: Placement test scores and teacher recommendation

This is a mathematics elective designed to supplement the learning in an Algebra 1 course for students who struggle with math or are below grade level in their mathematical skills coming into 9th grade. Students will work with the concepts of algebra in a smaller group setting with more individualized teacher attention. **Credit earned does not count toward the four credits of Mathematics required for graduation.**

GEOMETRY SUPPORT

Credit: 1
Open to: 10
Prerequisite: teacher recommendation

This is a mathematics elective designed to supplement the learning in a Geometry course for students who struggle with math or are below grade level in their mathematical skills coming into 10th grade. Students will work with the concepts of geometry in a smaller group setting with more individualized teacher attention. **Credit earned does not count toward the four credits of Mathematics required for graduation.**

GEOMETRY

Credit: 1
Open to: 9, 10
Prerequisite: Algebra 1, teacher recommendation

This course is designed to follow Algebra 1. The course explores the fundamental geometric principles of Euclidean Geometry with an emphasis on logical thinking through the use of formal two-column proofs. Topics of study include angle relationships and properties, lines, triangle congruence theorems, similarity, coordinate plane geometry, geometric transformations, basic right triangle trigonometry, polygons, circles, area, volume, and probability. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

HONORS GEOMETRY

Credit: 1
Open to: 9, 10
Prerequisite: Algebra 1, test scores, teacher recommendation

This course is designed for students who have excelled in their Algebra 1 course and want to take a course that explores math concepts at a deeper level and offers a greater challenge. The course covers all the topics in regular Geometry, but more rigorously and at a faster pace. Additional concepts and greater depth will be pursued as time allows. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

ALGEBRA 2A

Credit: 1
Open to: 10, 11
Prerequisite: Geometry, teacher recommendation

This course is designed to follow Geometry as the first of a two-part course covering the entirety of Algebra 2. Each major concept will be taught at a slower pace with more review provided than a standard Algebra 2 course. Topics include equations and inequalities, linear functions, systems of equations and inequalities, quadratic functions, and polynomials. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

ALGEBRA 2B

Credit: 1
Open to: 11, 12
Prerequisite: Algebra 2A

This course is designed to follow Algebra 2A as the second of the two-part Algebra 2 course sequence. Completion of this course satisfies the Algebra 2 graduation requirement. Topics include polynomials, radicals, exponential functions, logarithms, rational expressions, and an introduction to trigonometry. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

ALGEBRA 2

Credit: 1
Open to: 9, 10, 11
Prerequisite: Geometry, teacher recommendation

This course is designed to follow Geometry. Topics include systems of linear equations, quadratic functions, polynomials, radicals, exponential functions, logarithms, rational expressions, and an introduction to trigonometry. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

HONORS ALGEBRA 2

Credit: 1
Open to: 9, 10, 11
Prerequisite: B in Algebra 1 and
Geometry, teacher
recommendation

This course is designed for students who have excelled in their Algebra 1 and Geometry courses and want to take a course that explores math concepts at a deeper level and offers a greater challenge. The course covers all the topics in regular Algebra 2, but more rigorously and at a faster pace. Additional concepts and greater depth will be pursued as time allows. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

COLLEGE PREP MATH

Credit: 1
Open to: 10, 11, 12
Prerequisite: Algebra 2 and
teacher recommendation

This course is designed for students who are not yet ready for Precalculus after the completion of Algebra 2. The course revisits fundamental algebraic topics with greater depth including systems of equations, polynomials, rational functions, exponential functions, logarithms, and trigonometry. More advanced topics will be taught as time permits. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

PRECALCULUS

Credit: 1
Open to: 10, 11, 12
Prerequisite: Algebra 2, teacher
recommendation

This course is designed to prepare students to take calculus. Topics include a review of essential function types including linear, quadratic, polynomial, root, exponential, and logarithmic functions. The study of functions is extended to rational, piecewise, and trigonometric functions. Trigonometry is a major focus of the course including topics such as the unit circle, solving trigonometric equations, and proving trigonometric identities using known formulas. Other topics include sequences, series, matrices, complex numbers, and the polar coordinate system. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

HONORS PRECALCULUS

Credit: 1
Open to: 10, 11, 12
Prerequisite: Algebra 2, teacher recommendation

This course is designed for calculus-track students who have excelled in their Algebra 2 course and want to take a course that explores math concepts at a deeper level and offers a greater challenge. The course covers all the topics in regular Precalculus, but more rigorously and at a faster pace. Additional concepts and greater depth will be pursued as time allows. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

AP CALCULUS AB

Credit: 1
AP Test Fee: \$20
Open to: 11, 12
Prerequisite: Precalculus and teacher recommendation.

This course explores the fundamental concepts of calculus including the limit, the derivative, the integral and the most important theorems related to these topics. There is particular emphasis on understanding these concepts from a verbal, numerical, graphical, and algebraic perspective. Students will encounter numerous and varied applications of each major concept including continuity, rates of change, accumulated change from a rate of change, graph sketching, related rates, optimization, differential equations, areas between curves, and volumes of solids. This course is equivalent to a one semester Calculus 1 course at most universities. The course prepares students to take the AP Calculus AB exam in the spring. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

Students who register for this course are required to take the AP Exam.

**QUANTITATIVE REASONING
LCCC MTHM 158**

Credit: 1
(3 LCCC credit hours)
Suggested for: 10, 11, 12 students who earned a C or higher in Algebra II
Prerequisite: students must apply to LCCC and meet the satisfactory score on placement test.

This is a college level course designed for students who may be interested in non-STEM related careers that do not typically require calculus. The course follows the Lorain County Community College curriculum for MTHM 158. It focuses on using real world applications to build quantitative reasoning and problem solving skills. Topics include logic, analysis of growth, linear and exponential change, and personal finance.

This a College Credit Plus course.

STATISTICS**LCCC MTHM 168**

Credit: 1

(3 LCCC credit hours)

Suggested for: 10, 11, 12

students who earned a C or higher in Algebra II.

Prerequisite: students must apply to LCCC and meet the satisfactory score on placement test.

This college course provides a non-calculus based introduction to statistical thinking and statistical methods. The course follows the Lorain County Community College curriculum for MTHM 168. The topics discussed in the course include: data collection, data description, basic probability, sampling distributions, probability distributions, confidence intervals and hypothesis tests. An emphasis is placed on using technology to solve problems involving real data. Hands-on projects are used throughout the course.

This is a College Credit Plus course.

INTRODUCTION TO CALCULUS

Credit: 1

Prerequisite: Precalculus, teacher recommendation

This course provides a review of essential precalculus topics as well as an introduction to the fundamental concepts of single-variable calculus. Topics include limits, derivatives, integrals, and basic applications of these concepts in a real world context. This course is a good course to take for students who are not yet ready for AP Calculus or a calculus course at a college or university. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended.

AP CALCULUS BC

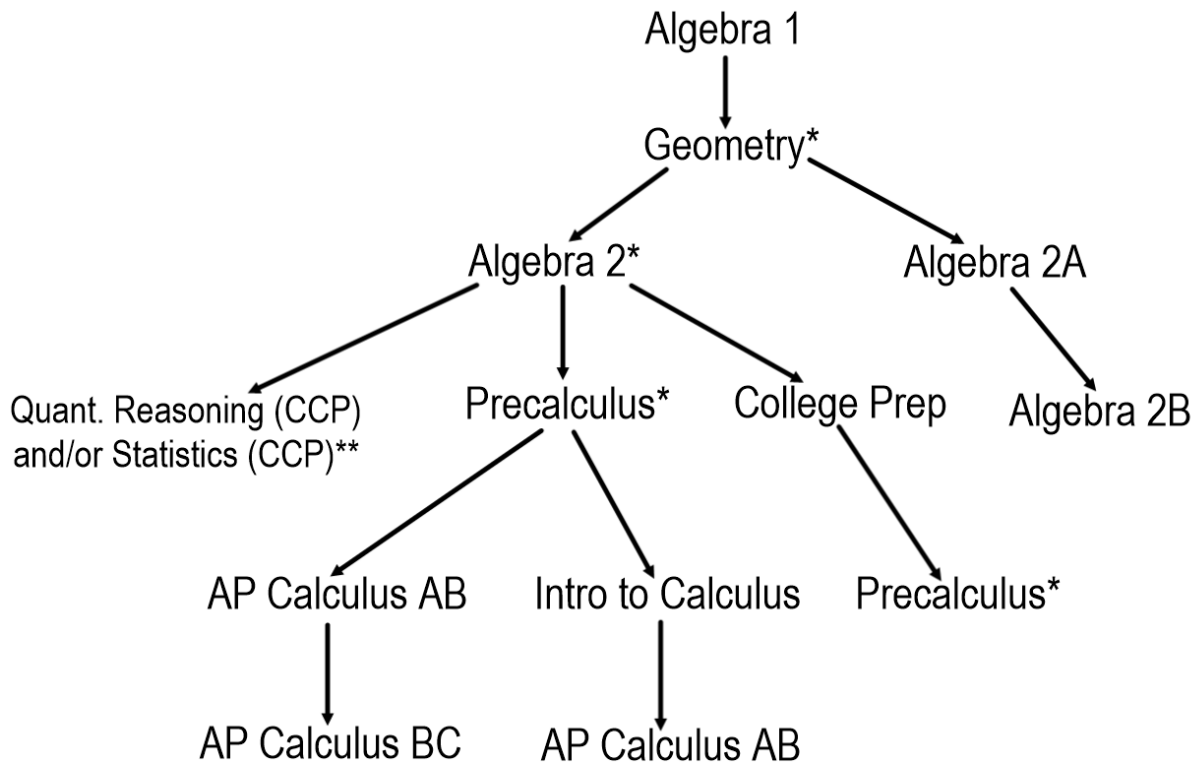
Credit: 1

AP Test Fee: \$20

Open to: 12

Prerequisite: AP Calculus AB, teacher recommendation

This course is designed to follow AP Calculus AB. It reviews the full range of topics covered in AP Calculus AB and then continues a study of more advanced calculus with topics such as advanced integration techniques, differential equations, arc length, derivatives of polar curves and parametric functions, sequences, and series. There is particular emphasis on understanding these concepts from a verbal, numerical, graphical, and algebraic perspective. This course is the equivalent of two semesters of college level calculus or equivalent to courses typically titled Calculus 1 and Calculus 2 at most universities. The course prepares students to take the AP Calculus BC exam in the spring. Each student is required to have a TI-83 or TI-84 graphing calculator, though the TI-84 is recommended. Students who register for this course are required to take the AP Exam.



*Students have the option to take an Honors level version of this course.

**The CCP Quantitative Reasoning and Statistics courses are semester-long courses. Each earns a student one full math credit. Students can take them concurrently with any course after the successful completion of Algebra 2.

MUSIC

Acceptance into each performing group will be judged on a separate basis and will take into consideration the attributes of responsibility, self-discipline, cooperative spirit, and positive attitude. The performance of each student during their previous year may be used in the evaluation process. The student who participates in the music program will be expected to attend all before and after school and non-school day performances and rehearsals. Performances at athletic events, concerts, contests, etc. are a mandatory part of the program. Any student who experiences difficulty in meeting all school rules and/or program guidelines may be removed from that organization and/or the program completely at the end of any grading period or sooner if the need warrants.

Music Course fees will be assessed according to the following chart:

	<u>MUSIC FEE</u>	<u>ATTIRE FEE</u> (estimates)
Marching Band	\$15.00	\$100.00
Concert Band	\$15.00	\$100.00 Dress/\$90.00 Tuxedo
Symphonic Band	\$15.00	\$100.00 Dress/\$90.00 Tuxedo
Jazz Band	\$15.00	
Treble Singers	\$15.00	\$125.00 Dress/\$90.00 Tuxedo
Concert Choir	\$15.00	\$80.00 Tuxedo
A Cappella Choir	\$15.00	\$125.00 Dress/\$80.00 Tuxedo
Spectrum of Sound	\$15.00	\$125.00 Dress/\$20.00 Tuxedo
Piano I	\$22.50 (approx.)	
Piano II	\$16.00 (approx.)	
Music Theory	\$20.00 (book fee)	

TREBLE SINGERS

Credit: 1
 Open to: 9, 10, 11, 12
 (Soprano and Alto only)

This course emphasizes music reading and proper use of the voice. Two and three-part music representing different style periods will be studied. The musical difficulty is dependent upon the ability level of the group. This group may participate in sponsored contests including OMEA events.

CONCERT CHOIR

Credit: 1
 Open to: 9, 10, 11, 12

This course emphasizes music reading and proper use of the voice. A variety of music representative of all vocal repertoires will be studied depending on the ability level of the students involved. This group may participate in sponsored contests including OMEA events.

A CAPPELLA CHOIR

Credit: 1
Open to: 9, 10, 11, 12
Prerequisite: Audition and approval of director

Course emphasis is on stylistic performances of music from all periods of composition. A Cappella is primarily a performing group. This group may participate in sponsored contests including OMEA events.

SPECTRUM OF SOUND

Credit: 1
Open to: 10, 11, 12
Prerequisite: Member of A cappella Choir and audition in Spring

This is a highly select choir offering opportunity to the highly motivated choral student to perform in a more popularized style of music, as well as musical theater repertoire. While emphasis is on staged or choreographed music, traditional choral repertoire serves as our primary style for outreach concerts. The group may participate in sponsored contests including OMEA events.

FUNDAMENTALS OF MUSIC THEORY

Credit: ½
Open to: 9, 10, 11, 12

This course is designed to acquaint the student with the fundamental concepts of music such as clef reading, notation, rhythms and meters, scales, key signatures, and chord construction, and part writing. Aural skills will be developed through rhythmic and melodic dictation, as well as interval and chord identification.

AP MUSIC THEORY

Credit: 1
Open to: 10, 11, 12
AP Test Fee: \$20
Prerequisite: Student enrolled in band or choir or taken and passed Fundamentals of Music Theory or instructor approval.

The AP Music Theory course corresponds to one year of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills, including dictation and other listening skills, sight singing, and harmony, are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the curriculum through the practice of sight singing. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are also emphasized.

Students who register for this course are required to take the AP Exam.

MUSIC HISTORY

Credit: ½

Open to: 9, 10, 11, 12

This course presents a study of music from the earliest historic recordings through the twentieth century. It will cover seven basic areas: Antiquity, Medieval, Renaissance, Baroque, Classical, Romantic, and Twentieth Century/Modern Music. The study includes the philosophies of the period as they affect music and performance. This course will involve a comprehensive study of the music, its form, and the composers, plus a history of the development of vocal and instrumental music.

CONCERT BAND

Credit: 1

Open to: 9, 10, 11, 12

This course will perform a variety of musical literature suited to the ability of the students involved. This group will participate in performance as well as contests including OMEA events.

SYMPHONIC BAND

Credit: 1

Open to: 9, 10, 11, 12

Prerequisite: Audition and approval of the director

This course will perform a variety of musical literature suited to the ability of the students involved. This group will participate in performances as well as contests including OMEA events. An audition is required to determine seating.

MARCHING BAND

Credit: ¼

Open to: 9, 10, 11, 12

Prerequisite: Member of Concert or Symphonic Band or permission of the director

Participation in this group is required of Concert and Symphonic Band members, unless there is a conflict with a fall sport. It functions from mid-July to approximately November with additional performances throughout the year.

Note: This course meets outside the school day.

JAZZ BAND

Credit: ½

Open to: 9, 10, 11, 12

Prerequisite: Audition and approval of the director

This course consists of approximately 25 students. Members must audition. Jazz improvisation and varied styles of music such as Jazz, Rock, Blues, and Pop will be studied and performed during the course of the school year.

Note: This course meets outside the school day.

HONORS A CAPPELLA CHOIR

Credit: 1

Prerequisite: Teacher approval
and member of A Cappella
Choir

This course meets as part of A Cappella Choir. Additional requirements include but are not limited to extra rehearsals, papers, attendance at outside performances and other requirements as determined by the director. Students must be involved in private lessons, or outside the school vocal ensembles to be given credit for honors A Cappella Choir. Students involved in this course must take a solo or ensemble to solo and ensemble competition.

Note: This course may meet outside the school day.

HONORS SYMPHONIC BAND

Credit: 1

Prerequisite: Teacher approval
and member of Symphonic
Band

This course meets as part of Symphonic Band. Additional requirements include but are not limited to extra rehearsals, papers, attendance at outside performances and other requirements as determined by the director. Students must be involved in private lessons, or outside the school instrumental ensembles to be given credit for honors symphonic band. Students involved in this course must take a solo or ensemble to solo and ensemble competition.

Note: This course may meet outside the school day.

MUSIC POP CULTURE

Credit: ½

Open to: 9, 10, 11, 12

This course is designed to acquaint the student with the background of our modern music era. Students throughout this course will learn how music has transformed in America from Parlor Songs/Ballads to Alternative Rock, Heavy Metal, and Pop. Students will learn the characteristics of many styles of music and use them to build and draw conclusions to how music has become what we now listen to.

PIANO 1

Credit: ½

Open to: 9, 10, 11, 12

This course is designed to teach the concepts and fundamentals needed to perform on the piano. It will increase musical understanding beyond just reading notes by teaching students a vocabulary of chords and keys, as well as accompaniment patterns. Students will use digital piano workstations and headphones. Each class period will be divided into full-group instruction, as well as independent lab time to progress at their own level. No experience required.

PIANO 2

Credit: ½

Open to: 9, 10, 11, 12

Prerequisite: Piano 1 and/or
approval of the instructor

A continuation of Piano 1, this course is designed to develop piano proficiency at the advanced beginner level. Students will develop their technical and music reading skills, and learn how to become competent, independent performers. Each class period will be divided into full-group instruction, as well as independent lab time to progress at their own level. Students must pass Piano I proficiency exam and mastered Piano I concepts.

SCIENCE

PHYSICAL SCIENCE

Credit: 1
Fee: \$20
Open to: 9

This course will cover topics in both physics and chemistry. This includes the scientific method, laws of motion, energy, nature of waves, sound, periodic table, chemical bonds, acids and bases, nuclear energy, and the universe. Lab activities will be incorporated with class topics.

HONORS PHYSICAL SCIENCE

Credit: 1
Fee: \$20
Open to: 9
Prerequisite: Teacher recommendation, B+ in Science and Math

This course is intended for students interested in science, exhibiting strong math and problem solving skills, and planning to attend college. Using inquiry and scientific methods, students will explore topics relating to the study of matter, energy and waves, forces and motion, chemical bonds, periodic table, nuclear energy and the universe. Strong reading and writing skills, as well as the ability to work independently are expected.

HONORS BIOLOGY

Credit: 1
Fee: \$20
Open to: 9, 10
Prerequisite: B in Physical Science and teacher recommendation

This course is intended for students interested in science and planning to attend college. Honors Biology focuses on life processes with emphasis on genetics and molecular make-up of living things. Topics include the diversity and interdependence of life, classification, cell structure and function, genetics, and evolution. Lab skills relating to biological techniques and equipment will be used to explore course topics. Aptitude in reading, writing, math, analysis skills, and independent thought processes are necessary.

BIOLOGY

Credit: 1
Fee: \$20
Open to: 9, 10
Prerequisite: Physical Science

Course topics include the diversity and interdependence of life, classification, cell structure and function, genetics, and evolution. Lab skills relating to biological techniques and equipment will be used to explore course topics.

KAP BIOLOGY 115

Biology 115

Credit: TBD

Suggested for: Students who earned a B or higher in Biology and Chemistry

Prerequisite: Students must meet CCP testing requirements, apply and be accepted to KAP Program.

This is a College Credit Plus course through the Kenyon Academic Partnership (KAP). Biology 115 covers the study of life from the basic biochemical levels to the complex global levels following the theme of energy flow through materials and organisms. This course explores the diversity of life through macromolecules, cells, plant and animal form and function, populations, and community interactions. The course also introduces students to the process of scientific thinking through research methodology and lab approaches, including dissections and microscope work. This course may become available as a LCCC course.

ENVIRONMENTAL SCIENCE

Credit: 1

Fee: \$25

Open to: 11, 12

Prerequisite: C in Biology and Chemistry (may be taken concurrently with chemistry)

This lab course challenges science students to learn how to live a sustainable world. Topics covered include: interrelationships in ecosystems, human population growth, and conservation of natural resources (including air, soil, water, forest, wildlife, and minerals). Current environmental issues like pollution, climate change, and biodiversity loss will be explored.

HONORS CHEMISTRY

Credit: 1

Fee: \$25

Open to: 10, 11, 12

Prerequisite: B in Physical Science, Biology, Algebra 1 and teacher recommendation

The course covers traditional topics in chemistry including: atomic theory, bonding models, solutions and acid-base theory, reaction kinetics, and organic structure. The laboratory is correlated with course topics and develops basic laboratory skills in qualitative and quantitative procedures. There is emphasis upon the use of mathematics in developing the chemical topics and in determining laboratory results. Scientific or graphing calculator required.

CHEMISTRY

Credit: 1

Fee: \$25

Open to: 10, 11, 12

Prerequisite: C in Physical Science, Biology and Algebra 1

The course covers traditional topics in chemistry including: atomic theory, bonding models, solutions and acid-base theory, reaction kinetics, and organic structure. There is emphasis upon the use of mathematics in developing the chemical topics and in determining laboratory results. Scientific or graphing calculator required.

MATERIAL SCIENCE OF CHEMISTRY

Credit: 1
Fee: \$25
Open to: 10, 11, 12
Prerequisite: Physical Science and teacher recommendation

Material Science of Chemistry focuses on the properties of metals, ceramics, polymers, and other advanced materials. This class will explore the basic concepts of Chemistry and extend these ideas to real world applications. Students will participate in lab investigations, projects, demonstrations and problem solving activities.

PHYSICS

Credit: 1
Fee: \$20
Open to: 11, 12
Prerequisite: Algebra II and Geometry

The course covers traditional topics in physics including mechanics, heat, light, sound, magnetism, electricity and nuclear physics. The laboratory is correlated to course topics. There is emphasis on the use of mathematics in developing the physics topics and in determining lab results. Scientific or graphing calculator required.

IMPACT

Credit: 1
Open to: 9, 10, 11, 12

This year long class combines science topics and engineering content while collaborating with businesses or organizations to solve authentic problems. Examples of collaborations can include, but are not limited to, NASA HUNCH, H2Ohio, and Flex-Factor.

ANATOMY AND PHYSIOLOGY

Credit: 1
Fee: \$25
Open to: 11, 12
Prerequisite: B in Biology and Chemistry (may be taken concurrently with Chemistry with teacher recommendation)

Anatomy and Physiology studies the organization and functions of the human body. Anatomy explores tissues, organs and organ systems and physiology studies the chemical interactions between systems, including the nerve impulses, muscle contractions, and blood chemistry. Cell specialization and biochemistry will be reviewed. This course is intended for students with an interest in the workings of the human body, especially those who are considering a career in any of the numerous health care fields. Dissection of several organs and a fetal pig is required for this course.

AP PHYSICS 1 and 2

Credits: 2
Fee: \$20
AP Test Fee: \$40
Open to: 11, 12
Prerequisite: B in Algebra II,
Chemistry and teacher
recommendation

These courses focus on the big ideas typically included in the first and second semesters on an algebra-based, introductory college-level physics sequence and provide students with enduring understandings to support future advanced course work in the sciences. There is a significant laboratory component to this class. Note: this class will meet two periods per day – AP Physics 1 will be completed in first Semester and AP Physics 2 during second. Both must be taken in sequence to earn AP credit.

Students who register for this course are required to take both AP Exams.

AP CHEMISTRY

Credit: 1
Fee: \$25
AP Test Fee: \$20
Open to: 12
Prerequisite: B in Chemistry and
teacher recommendation

This course is designed to be the equivalent of a general chemistry course usually taken during the first college year. Building on topics started in the first year of chemistry, students will take a more in depth look at the structure of matter, chemical reactions, kinetics, and thermodynamics through inquiry and lab experiences.

Students who register for this course are required to take the AP Exam.

SOCIAL STUDIES

WORLD HISTORY

Credit: 1
Open to: 9

This course offers the study of the influences of geographic settings, cultural perspectives, economic systems, political developments, and military developments in the period from 1750 through the present. Students gain a deeper understanding of the role of citizens and continue to develop their research skills.

HONORS WORLD HISTORY

Credit: 1
Open to: 9
Prerequisite: Test scores and teacher recommendation

This honors course is a survey of political, economic, military, cultural, and governmental systems of the world's historical eras from 1750 to the present. There will be written projects, oral presentations, class lectures and discussion, current events, and it requires a substantial amount of reading and class preparation each day.

AP WORLD HISTORY: MODERN

Credit: 1
AP Test Fee: \$20
Open to: 10, 11, 12
Prerequisite: B in Honors World History or A in World History and teacher recommendation.

The course offers students an opportunity to investigate significant events, individuals, developments, and processes from 1200 to the present around the world. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course is taught on a college level and it requires a substantial amount of reading and preparation for every class.

Students who register for this course are required to take the AP Exam.

AP EUROPEAN HISTORY

Credit: 1
AP Test Fee: \$20
Open to: 10, 11, 12
Prerequisite: B in Honors World History or A in World History and teacher recommendation.

The course emphasizes historically significant events in European history from 1450 to the present. To allow for a multifaceted understanding of these events, students will explore the past from intellectual, cultural, political, diplomatic, social and economic viewpoints. The course is taught on a college level and it requires a substantial amount of reading and preparation for every class. This course will be offered the 2023-2024 school year.

Students who register for this course are required to take the AP Exam.

AMERICAN HISTORY

Credit: 1
Open to: 10

This is a survey of the political, economic, military, and social developments of the Republic after 1877. This academic level course places greater emphasis on comprehension through discussion. It is recommended for college and technical oriented as well as non-college bound students.

HONORS AMERICAN HISTORY

Credit: 1
Open to: 10
Prerequisite: Test scores and teacher recommendation

This is a survey of the political, economic, military, and social developments of the Republic after 1877. This level of the course will be based on a combination of readings, lecture, and discussion. Out of class writings and projects are required.

AP UNITED STATES HISTORY

Credit: 1
AP Test Fee: \$20
Open to: 10, 11, 12
Prerequisite: B or higher in Honors World History

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

Students who register for this course are required to take the AP Exam.

AMERICAN GOVERNMENT

Credit: 1
Open to: 11

This course includes the basis of political science and civics. An analysis of various functions and branches of government at the federal, state, and local levels are presented. In addition, a focus is directed at pertinent current events, in order that the student will be exposed to the issues of the day.

AP AMERICAN GOVERNMENT

Credit: 1
AP Test Fee: \$20
Open to: 11, 12
Prerequisite: B in Honors U.S. History or A in U.S. History and teacher recommendation

This course explores the political theory and everyday practice that direct the daily operation of our government and shape our public policies. The express purpose of this course is to prepare students to take the AP Exam for U.S. Government and Politics. The course is taught on a college level and it requires a substantial amount of reading and preparation for every class.

Students who register for this course are required to take the AP Exam.

ECONOMICS

Credit: ½
Open to: 11, 12

This course explores how humans try to satisfy unlimited wants and needs with limited resources. The struggle to balance these applies to us as individuals, businesses, and nations. The course will cover an understanding of the general features in a national economy (macroeconomics), and the connectedness of specific segments (microeconomics) to that economy.

AP MACROECONOMICS

Credit: 1
AP Test Fee: \$20
Open to: 11, 12
Prerequisite: B in Social Studies classes and teacher recommendation

The purpose of an AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. The course is taught on a college level and it requires a substantial amount of reading and preparation for every class.

Students who register for this course are required to take the AP Exam.

SOCIAL AND POLITICAL ISSUES IN AMERICA

Credit: ½
Open to: 11, 12

This course serves as a capstone in which students apply the knowledge and skills that they have learned during previous grades. It focuses on current events and recent history while allowing students to choose topics of particular interest. Students will have an opportunity to demonstrate skills necessary for active, effective citizenship.

PSYCHOLOGY

Credit: ½
Open to: 11, 12

The course is an introduction to the study of human behavior with emphasis on the basic theories of personality, learning, dream analysis, child development, mental illnesses, and treatment. Also included is a short study in the field of parapsychology.

AP PSYCHOLOGY

Credit: 1
Fee: \$3
AP Test Fee: \$20
Open to: 11, 12
Prerequisite: B in Social Studies classes and teacher recommendation

AP Psychology is designed to introduce students to the scientific study of the behavior and mental processes of human beings. To accomplish this, the course provides instruction in each of the following 14 content areas: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Psychology, Treatment of Psychological Disorders, and Social Psychology. The course is taught on a college level and it requires a substantial amount of reading and preparation for every class.

Students who register for this course are required to take the AP Exam.

SOCIOLOGY

Credit: ½
Fee: \$3
Open to: 11, 12

Sociology deals with the behavior of people in groups and why they behave the way they do. The student will discuss morals, ethics, prejudice and almost anything that presents a problem to the human race as people interact with one another. Class participation is emphasized.

NORTH RIDGEVILLE SERVICE LEARNING PROJECT

Credit: 2
Fee: \$3
Open to: 12

The North Ridgeville Service Learning Project (NRSLP) is a senior level elective that offers an alternative to the traditional school day. NRSLP offers a differentiated approach to learning, offering an environment of mixed learning between honors and general education students.

NRSLP students spend time in a traditional classroom three days each week where they engage in multi-disciplinary approach to learning. Two days each week, students are released from class, and they go into the community and perform their service learning. The students participate in reflective seminars, offer oral presentations, conduct research, write papers, and read selected materials and literature that focus on the universal themes of leadership and service.

The NRSLP has the potential to create a link between the school and the community and places the students and the city of North Ridgeville itself in both resource and beneficiary roles. Data indicates that young people who perform voluntary service within an educational framework gain heightened self-esteem, sensitivity to others, social responsibility, civic participation, and "real world" experience.

WORLD LANGUAGES

FRENCH 1

Credit: 1

Recommendation: C+ average or better in Semester 2 of previous English course

The student will learn basic grammar structures and vocabulary. The work will be done in a written and oral format. The student will study the culture of French speaking countries including differences and similarities to our culture.

FRENCH 2

Credit: 1

Recommendation: C+ average or better in Semester 2 of French 1

The student will increase speaking, understanding and writing abilities in French. A more detailed cultural study of French speaking countries will be explored.

FRENCH 3

Credit: 1

Recommendation: C+ average or better in Semester 2 of French 2

Students will be exposed to greater communication skills by increasing conversational abilities and paragraph writing to prepare them for French IV. Students will be exposed to the writings of French authors and journalists.

HONORS FRENCH 4

Credit: 1

Fee: \$11

Recommendation: C+ average or better in Semester 2 of French 3

The student will study material reviewing grammar structures and introducing more advanced grammar, continue working with cultural and historical background, complete summaries and reports in French on material studied, and strive to improve pronunciation.

**CCP INTERMEDIATE FRENCH
FRNH 251/252 (FRENCH 5)**

Credit: 2

(6 credit hours from LCCC)

Suggested for: B average or better in Semester 2 of Honors French 4

Prerequisite: students must apply to LCCC and meet the satisfactory score on placement test.

This is a college level course and students enrolled in this course will also be enrolled as students at LCCC and will need to meet CCP requirements. This advanced course is designed for students of exceptionally high ability with interest in the target language. This course offers a thorough review and in-depth study of French with a special emphasis on developing fluency in the spoken language through discussions, writing assignments and film. This course may be offered through online learning.

This is a College Credit Plus course.

SPANISH 1

Credit: 1

Recommendation: C+ average or better in Semester 2 of previous English course

The student will learn basic dialogues which stress vocabulary, correct pronunciation, grammar and comprehension. The work and exercises will be done orally with some written work involving short sentence constructions. A general cultural study of Spanish speaking countries will be made.

SPANISH 2

Credit: 1

Recommendation: C+ average or better in Semester 2 of Spanish 1

The student will increase speaking, understanding and writing abilities in Spanish. A more detailed cultural study of Spanish speaking countries will be followed. Students who took Spanish 1 in eighth grade and earned a C+ or lower must retake Spanish 1.

SPANISH 3

Credit: 1

Recommendation: C+ average or better in Semester 2 of Spanish 2

Students will be exposed to greater communication skills by increasing conversational abilities to prepare the students for real world experiences. Students will also increase their vocabulary and grammar skills through speaking and paragraph writing to prepare them for Spanish IV.

HONORS SPANISH 3

Credit: 1

Prerequisite: B average or better in Semester 2 of Spanish 1 & 2

This is an advanced class. Students should have a good understanding of vocabulary and grammar from Spanish 1 & 2. This course is designed for students of exceptionally high ability with interest in the target language. This course is taught at an accelerated pace with greater rigor and depth than the regular-level courses. Our objectives are to converse with more fluency, review the fundamentals of the language and introduce more complex grammatical structures and communicative skills, and use more project based learning to further study grammar, vocabulary and culture. Students will be exposed to the writings of Spanish and Latin American authors and journalists. A recommendation is required from the Spanish 2 teacher.

**CCP INTERMEDIATE SPANISH
SPNH 251/252 (SPANISH 4)**

Credit: 2

(6 credit hours from LCCC)

Suggested for: B average or better in Semester 2 of Honors Spanish 4.

Prerequisite: students must apply to LCCC and meet the satisfactory score on placement test.

This is a college level course and students enrolled in Honors Spanish IV will also be enrolled as students at LCCC and need to meet CCP testing requirements. This honors course is designed for students of exceptionally high ability with interest in the target language. This course offers a thorough review and in-depth study of Spanish with a special emphasis on developing fluency in the spoken language through discussions, writing assignments and film.

This is a College Credit Plus course.

**CCP SPANISH
COMPOSITION/CONVERSATION
SPNH 257G/258G (SPANISH 5)**

Credit: 2

(6 credit hours from LCCC)

Suggested for: B average or
better in SPNH 252

Prerequisite: students must apply
to LCCC and meet the satisfactory
score on placement test

This is a college level course and students enrolled in Honors Spanish V will also be enrolled as students at LCCC and will need to meet CCP testing requirements. This course is designed for students of exceptionally high ability with interest in the target language. This course requires students to demonstrate oral and written language skills and cultural knowledge in unstructured learning situations. A variety of reading materials will be utilized to acquire knowledge and information from authentic literary texts and media sources. Cultural perspectives, attitudes and beliefs of the home and target countries will be analyzed and discussed to further study grammar and composition. This is a college credit plus course and may also be available online.

This is a College Credit Plus course.

This course is the natural language used by deaf individuals and the Deaf community. This is an overview of American Sign Language (ASL), its basic vocabulary, structure, syntax, and grammar. Students will focus on mastering the basics of fingerspelling, numbers, colors, facial grammar, and sentence structure; students will also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with Deaf/hard-of-hearing native users of the language. Introductory information about deaf culture will also be presented, along with deaf humor, to provide students with a broad picture of language and culture.

AMERICAN SIGN LANGUAGE 1

Credit: 1

Open to: 9, 10, 11, 12

This course is offered through Interactive Video Distance Learning, and will also incorporate the use of Google Classrooms as well as Schoology (online support). Due to the visual nature of the language of ASL, students will be required to provide and upload recorded video of sign language assignments as part of the course interaction. Live instruction will be recorded every day. This will give students and parents access to the interactive portions of the lessons. Through grants and investment in the video conferencing delivery method, we are able to provide each individual period of instruction with its own classroom recording of live instruction daily, this is then accessible via a web browser.

AMERICAN SIGN LANGUAGE 2

Credit: 1

Open to: 9, 10, 11, 12

Prerequisite: C+ average or better in Semester 2 of ASL 1.

This course is a continuation of American Sign Language I, the natural language used by Deaf individuals and the Deaf community. Students will deepen their understanding of the grammatical structure of ASL as well as improve both their receptive and expressive signing skills. The students will learn additional number concepts, such as time, money, fractions, and ordinal numbers, personal and possessive pronouns, giving and receiving directions, making requests, action words, and common phrases and sentences used in everyday situations. A continuation of Deaf culture and its history will be covered.

This course is offered through Interactive Video Distance Learning, and will also incorporate the use of Google Classrooms as well as Schoology (online support). Due to the visual nature of the language of ASL, students will be required to provide and upload recorded video of sign language assignments as part of the course interaction. Live instruction will be recorded every day. This will give students and parents access to the interactive portions of the lessons. Through grants and investment in the video conferencing delivery method, we are able to provide each individual period of instruction with its own classroom recording of live instruction daily, this is then accessible via a web browser.

AMERICAN SIGN LANGUAGE 3

Credit: 1
Open to: 9, 10, 11, 12
Prerequisite: C+ average or better in Semester 2 of ASL 2.

This course is an intermediate level of ASL, with continued development of receptive and expressive skills in American Sign Language and ASL grammar, using a bilingual-bicultural approach. Interaction with Deaf organizations, with an emphasis on greater exploration of American Sign Language sentence structure. Proficiency in an immersion setting, through the use of both planned and impromptu in-class conversations. A strong measure of proficiency in the target language is to be able to explain and expand on a topic through further details; such as describing the aspects of your home and community, for instance. Our main focus will be communication, ASL structure, storytelling, and literature.

MANDARIN CHINESE 1

Credit: 1
Open to: 9, 10, 11, 12

This course is designed to develop students' basic Chinese proficiency in listening, speaking, reading and character writing. This introductory course will also cover Pinyin (Chinese phonetic system) and Chinese writing system. Students will acquire Chinese communication skills through contextualized and personalized lessons. The ultimate emphasis of this class is to cultivate students' ability and interest in learning the language, also introduce them to the fun customs and the beauty of Chinese culture.

MANDARIN CHINESE 2

Credit: 1
Open to: 9, 10, 11, 12
Prerequisite: C+ average or better in Semester 2 of Mandarin Chinese 1.

This course is designed to advance students' Chinese proficiency in listening, speaking, reading and character writing in a deeper level than in Chinese I. We will review Chinese I lessons and continue to learn from a new series of textbooks, "Integrated Chinese". We will help students sign up for CCP (college credit plus) if they are qualified to apply and if offered by the program. Students will acquire Chinese communication skills in contextualized and personalized lessons. The ultimate emphasis of this class is to continue to advance students' abilities in learning the language and appreciating the beauty of Chinese culture.

MANDARIN CHINESE 3

Credit: 1

Open to: 9, 10, 11, 12

Prerequisite: C+ average or better
in Semester 2 of Mandarin
Chinese 2.

This course is designed to advance students' Chinese proficiency in listening, speaking, reading and character writing in a deeper level than in Chinese II. We will review Chinese II lessons and continue to learn from the textbooks, "Integrated Chinese". We will help students sign up for CCP if they are qualified to apply and if offered by the program. Students will continue to acquire advanced Chinese communication skills in contextualized and personalized lessons.

RHTA

RHTA STEM CORE CLASSES

Credit: 1 per course-4 total

Open to: 9, 10, 11, 12

Prerequisite: Application
required

Core classes (ELA, math, science, social studies) are taught by teachers trained in Project Based Learning. Classes are structured to highlight connections to careers and real world application of the subject content. Students work collaboratively to apply their knowledge on projects that integrate all 4 subject areas. **Application required.**
