



***HIGH SCHOOL
COURSE DESCRIPTION GUIDE
2023-2024***

Our mission is to empower all students to reach their fullest potential.

TABLE OF CONTENTS

<u>Topic</u>	<u>Page</u>
Scheduling Overview.....	1
Schedule Changes.....	1
Requirements for an Ohio High School Diploma.....	2
Grading Scale.....	2
Credits Needed for a Northridge Diploma.....	3
Intervention Program	3
Honors Diploma.....	4
Requirements for Valedictorian and Salutatorian.....	4
Educational Options.....	5
General Information.....	6
College/Career Testing Information.....	7
Co-Curricular and Extra-Curricular Activities.....	8

ACADEMIC PROGRAMS

Agricultural Education Department.....	9
Art Department.....	10
Business Department.....	11
Electives	11ser
Engineering: Robotics.....	12
English Department.....	13
Fine Arts Department (Visual).....	16
Fine Arts Department (Vocal & Instrumental Music)	19
Health and Physical Education Department.....	22
Mathematics Department.....	23
Music Department.....	25
Science Department.....	25
Social Studies Department.....	28
World Languages Department.....	31

This booklet has been prepared to assist students and parents/guardians in planning high school coursework. It contains information regarding course descriptions and other details related to creating a pathway that meets not only state and district graduation requirements, but also your unique talents.

Please take some time to look through the information provided here. Thoughtful, strategic planning can make a difference in post-high-school opportunities and expenses. Your skills, interests, personality, and values are important factors to be considered when looking for good career options, and our Guidance program is designed to help you explore and examine these aspects.

The staff at Northridge High School is here to help you realize your goals. Please don't hesitate to ask if there is any way we can assist you during your high school career.

On behalf of the entire faculty and staff at Northridge High School, I look forward to working with you!

Mrs. Jenny Rauchenstein

School Counselor

Board Approved (insert date)

PUBLIC NOTIFICATION

It is the policy of the Northridge Local School District not to discriminate on the basis of sex in its education programs, activities, employment policies or admission policies and practices as required by Title IX of the 1972 Education Amendments. Inquiries regarding compliance with Title IX may be made direct to the Superintendent, 6097 Johnstown-Utica Rd., Johnstown, Ohio 43031, (740) 967-6631 or 1-888-639-6631.

SCHEDULING OVERVIEW

This booklet has been issued so that you may become more familiar with the Northridge High School curriculum and scheduling procedures. Read the following carefully.

- The school counselor will meet with students by grade level to explain scheduling procedures and options. Students and parents will submit a list of course requests. Students will meet individually with their school counselor as needed.
- Students will have seven (7) classes plus CONNECT period.
- All students must schedule classes which will earn a minimum of five credits per year. Athletes are encouraged to carry six credits. They must pass five credits to meet eligibility requirements.
- No more than one non-credit-bearing period (CONNECT) will be permitted per semester, unless approved by Administration.
- Two factors that have significant bearing on Northridge curricular offerings for elective subjects are (1) an adequate number of interested students to warrant scheduling the course and (2) the ability to secure a properly certificated teacher for the subject. The inability to meet either factor could result in a course being withdrawn from the elective offerings.
- Discuss your course selections with your parents, teachers, and school counselor.
- In general, a student may not receive credit for the same course twice (notable exceptions: Phys. Ed., Band, Choir).

SCHEDULE CHANGES

Schedule changes will be made only with the approval of the Principal or School Counselor. Changes are typically made for the following reasons:

- Comply with the Individualized Education Plan (IEP) for a special education student
- Credit needed for graduation
- Required course was omitted
- Does not have five credits scheduled
- Reasons of health
- Senior's post high school plan makes course change necessary
- Error made by school personnel
- Other extenuating circumstances

Changes usually **are not made** for the following reasons:

- To drop a class for a late arrival/early release (unless the student has online CCP college courses)
- To eat lunch at a particular time (unless the student has a medical reason)

DEADLINES

Students will have an opportunity to make any adjustments in their schedules prior to their last day of school in May. Schedule changes required because of course failure will be made by the school counselor after final grades are known. Schedules can be picked up prior to the start of school in August. The school counselor will be available to students over the summer as well as during designated schedule pick-ups. Dates will be communicated to students. If students have questions or want to make a schedule change due to an approved reason as listed above, they can do so over the summer. Once school begins, schedule changes will be considered during the first 5 days of each semester. Students who drop a class after the first 5 days of a semester may be subject to a grade of withdraw/failure (W/F) on their transcript.

Note: Students who drop a College Credit Plus course after the 14th day of the semester starting date will be charged for the cost of the course.

REQUIREMENTS FOR AN OHIO HIGH SCHOOL DIPLOMA

Class of 2023 and beyond

<http://education.ohio.gov/getattachment/Topics/Ohio-s-Graduation-Requirements/Sections/Classes-of-2023-and-Beyond-Graduation-Requirements/GradReq2023.pdf.aspx?lang=en-US>

GRADING SCALE

A+	97-100	4.00
A	93-96	4.00
A-	90-92	3.66
B+	87-89	3.33
B	83-86	3.00
B-	80-82	2.66
C+	77-79	2.33
C	73-76	2.00
C-	70-72	1.66
D+	67-69	1.33
D	63-66	1.00
D-	60-62	0.66
F	0-59	0.00

WEIGHTED SCALE

A+	5.00
A	5.00
A-	4.66
B+	4.33
B	4.00
B-	3.66
C+	3.33
C	3.00
C-	2.66
D+	1.33
D	1.00
D-	0.66
F	0.00

WEIGHTED CLASSES

* Calculus 1
* Calculus 2
* Anatomy & Physiology
* Chemistry 2
* Spanish 4
* College Credit Plus (CCP) courses in English, Math, Science, Social Studies, Foreign Language

CREDITS NEEDED FOR A NORTHRIDGE HIGH SCHOOL DIPLOMA

ENGLISH	4 Credits
SOCIAL STUDIES (Modern World History, American History, Government)	3 Credits
SCIENCE† (physical science, life science, advanced/lab science)	3 Credits
MATHEMATICS (through Algebra 2 or equivalent)	4 Credits
HEALTH	.5 Credit (1 semester)
PHYSICAL EDUCATION*	.5 Credit (2 semesters)
FINANCIAL LITERACY**	.5 Credit (1 semester)
ELECTIVES	5.5 Credits (includes 1 Fine Arts ***)
TOTAL	21 CREDITS

†Northridge allows the substitution of two Ag Science courses for one advanced science course. All classes apply, except Ag Business Management.

* State legislation allows school district to adopt a policy exempting students who participate in athletics, marching band (including color guard) or cheerleading for two full seasons or two years of JROTC from the physical education requirement.

**All students must receive instruction in financial literacy during grades 9-12 per state requirement.

***Students must complete at least two semesters of a high school fine arts course, unless following a career-technical pathway, which exempts the student from the fine arts requirement.

INTERVENTION PROGRAM

Students involved in the Special Needs program will have schedules that reflect their Individual Educational Plans (IEP). Students in this program may also have an opportunity to be involved in a Work Study program through the Licking County Educational Service Center or the ESC of Central Ohio.

HONORS DIPLOMA

High School Academic Diploma with Honors

(students are required to fulfill at least seven of the following eight criteria)

1. English – 4 units
2. Mathematics – 4 units, including Algebra 1, Geometry, Algebra 2 or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
3. Science – 4 units, including 2 units of Advanced/Lab Science
4. Social Studies – 4 units
5. Foreign Language – 3 units of one language or 2 units each of two languages*
6. Fine Arts – 1 unit
7. GPA of 3.5+ on a 4.0 scale (unweighted)
8. ACT composite score of 27+ or SAT total score of 1280

*College Credit Plus offers college-ready students an additional avenue for earning foreign language units; a 3+-credit college course would count as one unit of high school foreign language.

Honors Diploma Criteria is available on the Ohio Department of Education website: <https://education.ohio.gov> – search “honors diplomas”.

REQUIREMENTS FOR VALEDICTORIAN AND SALUTATORIAN AT NORTHRIDGE HIGH SCHOOL

Any Northridge High School student who finishes with a 4.30 grade point average or better shall be named valedictorian. If one student meets that requirement, they shall be named sole valedictorian and the second highest GPA will be named salutatorian.

In the event that no student receives a 4.30, the student with the highest grade point average shall be chosen valedictorian and the student with the second highest grade point average shall be named salutatorian. In the event of a tie between two or more students, all students tied at that ranking shall be named valedictorian and salutatorian, respectively.

Note to students participating in College Credit Plus, C-TEC or other programs where grades are issued someplace “other” than Northridge HS: the grade issued by those other institutions will be recorded the same at the college and Northridge HS. Grades and grading scales will NOT be adjusted to match the Northridge grading scale, per CCP regulations.

EDUCATIONAL OPTIONS

The Northridge Local School District approves several educational options as a means of earning credits for graduation. Currently, these options include earning credits by passing courses at:

- Northridge High School
- Career & Technology Education Centers of Licking County (C-TEC)
- Knox County Career Center
- Delaware Area Career Center
- College Credit Plus program in cooperation with participating colleges
- Correspondence and online courses through accredited institutions (requires written approval of principal prior to taking the course)
- Summer School at accredited institutions
- Mentorships/Internships (requires advance written approval of principal)
- Home school credit earned per state guidelines and prior to Northridge enrollment

High School Programs

Northridge High School's curriculum offerings prepare students for post-high school options in college, workforce, or military settings.

Career & Technology Education Centers of Licking County (C-TEC)

C-TEC offers over 22 programs for juniors and seniors.

Contact the Career Technology Education Center of Licking County for more information about their programs or visit their website www.c-tec.edu or call (740) 364-2832.

The Knox County Career Center and Delaware Area Career Center are also available options for students who want a program that C-TEC does not offer or they wish to go to a school that is located closer to their residence.

Repeating a Subject

When a student repeats a failed subject for credit, the grade earned will become a part of the record, together with the original "F". Credit for a subject will count only once toward state requirements. Students who fail a course have the opportunity to make up credit by taking summer school or correspondence.

Summer School

Summer school classes are often offered by Columbus City, Newark, Mt. Vernon, Westerville and other area schools. Check these districts' websites for application/registration procedures.

Online Courses

Online coursework will only be accepted from accredited programs approved by the school administrator. You must receive permission from your school counselor in advance of taking an online course for high school credit.

College Credit Plus Program

College Credit Plus is Ohio's dual enrollment program. Northridge High School students are eligible to attend college classes (including online classes) at any public college/university or participating private college/university at which they can gain admission by demonstrating "college ready" scores. Students receive both high school and college credit. Student fees (tuition, course fees, and books) are covered fully by the school for all public colleges/universities (e.g. COTC, Columbus State CC, OSU-Newark). Courses at a private college or university may have a limited cost to the student/family; please check with each institution. Transportation and parking expenses (if any) are the responsibility of the student. Students must take courses that apply to a degree or a professional certification. See the Guidance Office for additional information.

GENERAL INFORMATION

Promotion at Northridge High School is by credit, not by grade level. To be considered a member of the next grade, a student must have successfully completed the following:

- **CLASS STANDING:**

Freshman Standing (9 th grade)	= less than 5 credits
Sophomore Standing (10 th grade)	= 5 credits
Junior Standing (11 th grade)	= 10 credits
Senior Standing (12 th grade)	= 15 credits

- **EARLY GRADUATION**

A student who wants to graduate early must meet state and local diploma requirements. Student will submit a letter requesting early graduation to the Principal, and a conference with student, parent/guardian, principal and counselor to discuss timing, participation or non-participation in May graduation ceremony, communication, date on transcript, procurement of diploma, etc.

- **INCOMPLETE GRADES**

Students will have one week after the grading period ends to make up incomplete work unless alternate arrangements have been made with teacher and administrator. After that time, the student will receive an "F" for the incomplete work.

- **ELIGIBILITY REQUIREMENTS FOR INTERSCHOLASTIC ACTIVITIES**

All students must meet a standard to participate in school activities. The eligibility standard applies to students who wish to participate in athletics, clubs, concert band, drama, field trips, intramurals, marching band, and vocal music groups. The following standards apply:

- A. Students in grades 9 through 12 must be enrolled in and passing subjects amounting to at least five units of credit. (This does not include a $\frac{1}{4}$ credit class such as Phys. Ed.) Students participating in CCP should refer to OHSAA eligibility guidelines.

- B. To be eligible to participate each grading period, students need to pass five units of credit in the subjects taken the preceding grading period.
- C. 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.
- D. To be eligible to participate during each grading period, students need to maintain a 70%, cumulatively, in the subjects taken on a weekly basis.
 - 1. The weekly eligibility check will begin the third week of each grading period.
 - 2. When a student does not meet the weekly 70% standard, he/she will receive a warning the first time the standard is not met. The warning period will be one week. During the warning period, the student is eligible to practice and to participate in activities. When a student fails to meet the weekly eligibility standard a second time, the student will be denied participation until the student meets the standard. Any denial of participation is on a weekly basis. Once ineligible, a student can become eligible when the 70% standard is met. When the student is ineligible, he/she may practice, but will not participate in contests, performances, or events.
- E. INCOMING FRESHMEN – All beginning ninth graders must have passed a minimum of five classes taken in the last grading period of the eighth grade.

COLLEGE/CAREER TESTING INFORMATION

- PSAT** This test can be taken in the sophomore and junior year to help students find areas of academic strength and weakness. For juniors only, the test is also known as the National Merit Scholarship Qualifying Test (NMQST); students with a Selection Index in the top 3% of scores in Ohio are recognized for academic distinction; students with scores in the top 1% of scores in Ohio are invited to participate in the National Merit Scholarship competition. The PSAT is optional, and the student must pay to take the test. The cost is approximately \$16.00.
- ASVAB** The Armed Services Vocational Aptitude Battery (ASVAB) is administered (free) by request to Northridge juniors. Students interested in the armed services as a way to pay for college (e.g. Ohio National Guard, ROTC, the Reserves of any military branch) and students interested in active duty in any military branch can use the ASVAB scores from their junior year to inform post-high-school planning with the military. ASVAB score reports include career planning tools and resources that apply to both civilian and military careers.
- ACT** This is a four-year college admissions test with sub-tests in Reading, English, Math, and Science. An additional Writing test is optional; check the “Admissions Requirements” webpage of the college(s) in which you are interested to find out if any of your schools require the ACT + Writing so that you register for the correct tests! Students register at www.actstudent.org. The ACT is designed to be administered at the end of the junior year of high school. Therefore, it is suggested that students planning to attend a four-year college take the ACT at school in the spring of their junior year. This administration is state-funded. Many colleges use student scores from the ACT, in conjunction with grades/GPA and activities (extracurricular, work, community service), to make admissions decisions and/or determine merit scholarship awards. The College Entrance Examination Board (CEEB) number for Northridge High School is **362758**. **Nearly all four-year colleges accept EITHER the ACT or the SAT, making it unnecessary to take both. Check the college’s “Admissions Requirements”**

information to be sure you are taking a college admissions test that will satisfy that institution if you decide to apply.

SAT This is a four-year college admissions test with sub-tests in Reading, Math, and Writing/Language. An additional Essay/Writing test is optional; check the “Admissions Requirements” webpage of the college(s) in which you are interested to find out if any of your schools require the SAT + Essay so that you register for the correct tests! Students register at collegereadiness.collegeboard.org/sat. SAT is designed to be administered at the end of the junior year of high school. Therefore, it is suggested that students planning to attend a four-year college take the SAT in the spring of their junior year. Many colleges use student scores from the SAT in conjunction with grades/GPA and activities (extracurricular, work, community service) to make admissions decisions and/or determine merit scholarship awards. The College Entrance Examination Board (CEEB) number for Northridge High School is **362758**. **Nearly all four-year colleges accept EITHER the ACT or the SAT, making it unnecessary to take both. Check the college’s “Admissions Requirements” information to be sure you are taking a college admissions test that will satisfy that institution if you decide to apply.**

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

These offerings are subject to change based on advisor availability and student interest

Art Club	National Honor Society
Baseball	Ohio Model United Nations (OMUN)
Basketball	Pep Band
Bowling	Quiz Bowl
Cheerleading	Ski and Board Club
Cross Country	Soccer
Future Farmers of America (FFA)	Softball
Color Guard	Spanish Club
Football	Student Council
Board Game Club	Swimming
Golf	Track and Field
Jazz Band	Vocalise (Show Choir)
Marching/Concert Bands	Volleyball
Mock Trial	Wrestling
Musical	

Please note, some co-curricular/extra-curricular activities may require fees to participate.

ACADEMIC PROGRAMS

AGRICULTURAL EDUCATION DEPARTMENT

Northridge High School's Agricultural Education curriculum has strong science and business components. To support students in meeting graduation requirements, Northridge High School offers students who take Ag courses the following opportunities:

- Two full courses in Agriculture, Food and Natural Resources; Livestock Selection, Nutrition & Management; Science and Technology of Food; and Agricultural and Environmental Systems Capstone may be counted toward the state requirement for advanced science (two agricultural science courses = 1 advanced science credit)
- Students who take "Business Management for Agricultural and Environmental Systems" will be considered to have met the state's financial literacy requirement.
- A membership in the FFA leadership organization and a Supervised Agricultural Experience (SAE/FFA project) is intra-curricular to the program and required by all students enrolled in an agricultural education course. Students will have grades attached to these two requirements. Participation in one FFA activity every nine weeks will be 10% of the student's grade. Record keeping of an SAE project will also be 10% of the student's grade. The teacher will help provide opportunities for SAE projects.

9th – 12th grade Agricultural Education courses are offered on a full-year basis. Students are encouraged to follow the full four-year program.

All students are required to have a Supervised Agricultural Experience Program (SAEP) outside of the classroom and are required to be FFA members. Students will be required to keep current records on the web's AET (Agricultural Experience Tracker) which parents/guardians will have access to, as well as the teacher. Students may receive home visits from the local Agricultural Instructor to help monitor/assist with SAE projects.

NOTE: All Agricultural courses require a \$20 membership into the National FFA Organization.

Agriculture, Food, and Natural Resources (ODE code 010105)

Grade Level: 9-12

Credit: 1 (this course plus an additional Ag Science course can count together for one advanced science unit)

Duration: 1 year

Prerequisite: None

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bio-science. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry. Students will complete a science fair research report.

Science and Technology of Food (ODE Code 011010)

Grade Level: 10-12

Credit: 1 (this course plus an additional Ag Science course can count together for one advanced science unit)

Duration: 1 year

Prerequisite: Must have passed Agriculture, Food and Natural Resources (AFNR)

Students will examine the research, marketing, processing, and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

Livestock Selection, Nutrition & Mgt. (ODE code 010920)

Grade Level: 10-12

Credit: 1 (this course plus an additional Ag Science course can count together for one advanced science unit)

Duration: 1 year

Prerequisite: Must have passed Agriculture, Food and Natural Resources (AFNR)

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

Plant and Animal Science (ODE Code 010125)

Grade Level: 10-12

Credit: 1

Duration: 1 year

Prerequisite: Agriculture, Food and Natural Resources (AFNR)

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

Ag Business Mgt. for Agriculture & Environmental Systems (ODE code 010115)

Grade Level: 10-12

Credit: 1 (meets state financial literacy requirement)

Duration: 1 year

Prerequisite: Must have passed Agriculture, Food and Natural Resources (AFNR)

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. One-half credit of Financial Literacy is required by the State of Ohio. The Ag Business Management course also meets this requirement for the Class of 2024 and Class of 2025. ***Students in the Class of 2026 and beyond are required to complete a Financial Literacy course and may not substitute Ag Business Management.***

Agricultural and Environmental Systems Capstone (ODE code 010190)

Grade Level: 10-12

Credit: 1 (this course plus an additional Ag Science course can count together for one advanced science unit)

Duration: 1 year

Prerequisite: Must have passed Agriculture, Food and Natural Resources (AFNR) and one other Ag course

The capstone course is an opportunity for C-TEC and Northridge 11th and 12th grade students to solve problems and demonstrate that they have achieved the requisite knowledge and skills in their chosen Agricultural and Environmental Systems career field pathway. Students will be required to complete online course requirements including the ODE WebXam on one of the 11-12 grade Ag Ed courses. Seniors may include school to work program in their curriculum maintaining records on the AET web site. Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

ART DEPARTMENT

See Fine Arts Department (Visual)

BUSINESS DEPARTMENT

Introduction to Business (ODE Code 141000)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

This hands-on course is designed as an introduction to business. The purpose is to give students a broad overview of the different disciplines within the business field that will impact their personal and professional lives. Business career exploration, types of business, marketing in today's world, buying goods and services, and various types of money management will be discussed. Students can expect projects, presentations, and guest speakers.

Business Communications (ODE Code 030600)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

This course is designed to develop students' effective oral and electronic business communications skills. This course develops skills in multiple methods of communications, including social media, as well as electronic publishing, design, layout, composition, and video conferencing. Upon completion of this course, proficient students will be able to demonstrate successful styles and methods for professional business communications using the proper tools to deliver effective publications and presentations.

Entrepreneurship (ODE code 141030)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Prerequisite: None

Throughout this hands-on course, students ideate, develop, and iterate their product or service startup in an attempt to gain investment funds in a final pitch event. Real entrepreneurs and business experts serve as volunteer coaches and mentors guiding student teams through the processes of developing hypotheses about a business concept, testing those hypotheses, adapting, and continually learning and improving. The businesses students build are real – they are not business cases or simulated experiences – which means students experience mistakes, take risks, and learn to pivot based on market needs. Students leave the course with a completed Business Model Canvas, competitive analysis, financial model, minimum viable product, pitch deck, future communications plan, and future funding plan.

Digital Media & Marketing (ODE Code 144015)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

Students will apply tools, strategies, and processes to communicate digitally with targeted customers. They will create, implement, and critique online advertising, email marketing, websites, social media, mobile marketing, search engine optimization, video or images, and podcasts/webcasts. Students will apply project management techniques to guide and control digital communications efforts. They will also create and repurpose content for use in digital environments. Technology, employability skills, leadership, and communications will be incorporated into classroom activities.

ELECTIVES

Professional Communication Skills (ODE code 030600)

Grade Level: 11-12

Credit: ½

Duration: 1 semester

Prerequisite: None

Students will practice verbal and non-verbal communication skills essential to interacting effectively in the workplace and society. Course will emphasize "soft skills."

Service Learning (ODE code 300020)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: None

Service Learning is a semester-long elective course designed to expose students to leadership and service experiences. Students complete coursework to learn ways to have a positive influence within the community and build leadership skills. Students will complete a service project where they can apply those skills and self-reflect on the key competencies of their leadership skills and how their actions can make an impact within their community.

ENGINEERING: ROBOTICS

Career-Tech Pathway Update (transition from IT to Engineering)

Engineering Design (ODE Code 175001)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Prerequisite: None

In this course, students will take that great idea or that next invention that will change the world and bring it to life. Using the engineering design process, students will use Fusion 360 modeling software to design solutions to proposed problems, document their work, and communicate solutions. Designs will be brought to life using 3D printers and materials in the classroom. Additionally, students will interpret industry prints and create working drawings from functional models. Hands-on project based problem solving techniques will be used throughout the class.

Introduction to Engineering/Engineering Principles (ODE Code 175002)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

In this course, students will explore how things work. Students will discover concepts and scientific principles associated with engineering. Topics include mechanisms, energy, materials and motion. Additionally, students will learn basic electric, hydraulics, and how an idea goes from concept to production. This hands-on class will make students think while having fun exploring the world of engineering. Who knows, this may inspire you to become the next Elon Musk.

Robotics (ODE Code 175004)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

In this course, students will customize, build, test, and program robots to meet challenges ranging from obstacle courses to road races. Students will learn robotic operations and system configurations. Students will code, compile and debug programs using the robotic programming language. Students will learn basic electronics and touch on logic controllers. Students will learn lifelong skills in teamwork, leadership, communications, and more. Robots and automation are all around us, from dispensing soft drinks to driving cars, to exploring Mars. Do not let the future pass you by.

Industrial Craft/Machine Tools (ODE Code: 176004)

Grade Level: 9-12

Credit: 0.5 (one semester) or 1 (full year)

Duration: 1 semester or 1 year

Prerequisite: None

In this course, students will learn to operate machines used to process wood and metal. Students will perform routine calculations, interpret basic drawings, begin the process of performing accurate measurements and be able to plan simple machining processes. Students will learn how to cut, drill, grind, and shape materials using modern machine and hand tools. Students will be working with

their hands to repair and build projects; this is a great opportunity to learn lifelong skills. This course will be project heavy and centered on being in the lab/shop.

ENGLISH DEPARTMENT

Northridge High School students are required to earn a minimum of four units of English before graduation. The English program is designed to emphasize instruction in reading, speaking, listening, vocabulary development, and composition. Each year the courses become more challenging as students' skill and maturity levels grow.

English 9 (ODE code 050160)

Grade Level: 9

Credit: 1

Duration: 1 year

Prerequisite: Required Course

English 9 offers integrated language arts opportunities for students to focus on general communication skills such as reading, writing, listening/visual literacy, research, and oral presentation. Students will read short stories, novels, plays, articles and essays. Attention will be given in each area to vocabulary development, comprehension, and application.

Advanced English 9 (ODE code 050160)

Grade Level: 9

Credit: 1

Duration: 1 year

Prerequisite: Strong performance in 8th grade language arts course and on 8th grade state end-of-course test

Advanced English 9 offers a literature-based writing program with a focus on analytical essays, as well as overall reading, research, and oral communication skills. Vocabulary, comprehension and application elements will be developed in each area of theme-based study. Students should expect to complete more independent work outside of class and turn all assignments in on time unless arrangements are made with instructor *well in advance of deadline*.

English 10 (ODE code 050170)

Grade Level: 10

Credit: 1

Duration: 1 year

Prerequisite: Required Course

English 10 expands on the skills learned in English 9 with a continued focus on reading literature, reading informational text, and writing. Students will read short stories, novels, plays, memoirs, articles, and essays. Emphasis will be placed on practicing the writing process, from prewriting to publishing.

Advanced English 10 (ODE code 050170)

Grade Level: 10

Credit: 1

Duration: 1 year

Prerequisite: Strong performance in 9th grade language arts course

In Advanced English 10, students will work with more challenging texts and complete more complex writing tasks. Like English 10, this course focuses on reading literature, reading informational text, and writing, but the pace is accelerated, and assignments require more independence. Students will read short stories, novels, plays, memoirs, articles, and essays. Emphasis will be placed on practicing and individualizing the writing process, from prewriting to publishing. Students should have an advanced interest in the subject and expect to complete independent work and reading outside of class, as well as turn in all assignments on time unless arrangements are made with instructor well in advance of the deadline.

English 11 (ODE code 050180)

Grade Level: 11

Credit: 1

Duration: 1 year

Prerequisite: Required course/credit in English 9 and English 10

English 11 is a thematic exploration of American literature with an emphasis on both literary and informational text. Writings are geared toward narrative, analytical, argumentative, and research projects. There is also an emphasis on ACT English and Reading preparation. This course fulfills the 11th grade English requirement and requires some independent work outside of class.

English 12 (ODE code 050190)

Grade Level: 12

Credit: 1

Duration: 1 year

Prerequisite: 3 credits of English

English 12 is offered for the student interested in college, technical college, or workforce placement immediately following high school. Students in English 12 will strive to improve their reading comprehension, writing skills, and problem-solving skills. Career exploration and preparation are a major focus of this course. This course fulfills the 12th grade English requirement.

ELECTIVES – ENGLISH

The following courses offered by the **English Department** are all **ELECTIVES**. Students can choose these classes in addition to their other required English class.

Contemporary Young Adult Literature (ODE code 050300)

Grade Level: 9-12

Credit: ½

Duration: Semester

Prerequisite: None

This semester-long English elective will include a variety of readings from contemporary, best-selling young adult fiction/literature with class time designated for reading and discussion. Readings will cover a variety of genres and could potentially include sensitive topics related to young adults. Grading will emphasize conversational and project-based learning/analysis rather than traditional essay writing and test assessment methods. Establishing and/or developing the life-long habit of reading for pleasure will be a shared goal.

Journalism (ODE code 050403)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: At least a C in 9th grade English course

This elective course explores the history of mass media with a focus on American journalism, the history of the press, legal issues associated with freedom of the press, news writing and style guidelines, the changing world of communication, and how to critically assess the media's handling of contemporary issues. The course serves as a prerequisite for staffing the school newspaper, The Viking Vault.

Great Literature: The Pursuit of Happiness (ODE code 050300)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: None

Students will “walk in the shoes of characters seeking happiness” in hopes of learning more about the nature of happiness for themselves. The focus of the course will be on reading, discussing, and enjoying “great literature,” writing that has stood the test of time. Writers from the past will help us be thoughtful in the present about the future we are creating.

Newspaper (ODE code 300040)

Grade Level: 10-12

Credit: ½ credit; 1 credit

Duration: 1 semester; 1 year

Prerequisite: Completion of Journalism course

Students in this publication-oriented lab course will apply their journalism skills to produce a monthly school newspaper. Student staff members will interview and research, write various types of articles, develop graphics, manage opinion and editorial articles, edit, and lay out the publication.

Norhian Yearbook (ODE code 300040)

Grade Level: 10-12

Credit: 1

Duration: 1 year

Prerequisite: Admittance by selection – see Mrs. Hotchkiss, Yearbook Advisor

Students tackle the task of creating, producing, marketing, and funding the high school yearbook. Assignments include completing interviews, taking pictures, selling ads, creating layouts, developing themes, etc. The students will learn and apply the computer skills necessary to produce the yearbook. The students will market and sell the yearbook by selling ads, selling the book itself, and working within a specified budget. The course does require some after school work, but most work is completed in class.

Creative Writing (ODE code 050400)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: At least a C in 10th grade English

Students will build a portfolio of original work over the course of this semester elective which will include short writing sketches, fully developed short stories, poetry, short plays, and other pieces of choice. In order to compose colorful, original works, students will study the concepts of description, detail, dialogue, rhythm, stream of consciousness, character development, tone, diction, and theme.

COLLEGE CREDIT PLUS - ENGLISH

The following college courses may be offered:

ENGL-1100 Composition 1 (ODE code 050400)

Grade Level: 11-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: Accuplacer or ACT placement and completed CSCC application

This is a beginning composition course which develops processes for critically reading, writing, and responding to a variety of texts in order to compose clear, concise, expository essays. The course facilitates an awareness of purpose, audience, content, structure and style, while also introducing research and documentation methods. Course reading and writing assignments may be thematically organized.

ENGL-2367 Composition 2 (ODE code 059999)

Grade Level: 11-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: C or better in ENGL- 1100

This is an intermediate writing course with an emphasis on argument and database research. It is intended as an extension of ENGL-1100.

ENGL-208 Technical Writing (ODE code 059999)

Grade Level: 11-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: C or better in Composition 1 (ENGL-1100)

Technical Writing strengthens the student's composition skills in technical communications employed in information technology, engineering, industry and health and social sciences. The student will examine the various contexts for employing technical communications, the available and appropriate means of conveying technical information, and the needs and goals of various audiences in reading and employing technical communications. The course emphasizes both concise and effective technical writing strategies and the ability to present this information clearly using oral communication. The course also stresses the value of collaborative projects in the workplace. The student will employ a variety of technological resources, including websites, research databases, and Google publishing platforms to analyze and create documents and presentations both individually and collaboratively. ENGL-208 meets the Ohio Transfer Assurance Guide standards for OBU005.

SPCH-205 Public Speaking (ODE code 050545)

Grade Level: 11-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: Accuplacer or ACT placement and completed COTC application

Course is graded A-F. This emphasizes instruction and practical experience in public speaking. The student will learn to analyze audiences, select topics, apply research learned, organize, and present a series of extemporaneous speeches. This course introduces other interpersonal and intrapersonal communications skills, including listening and nonverbal communications. SPCH-205 meets the Ohio Transfer Module standards for course TMCOM and also meets the Ohio Transfer Assurance Guide standards for course OCM004.

CLAS-1222 Classical Mythology (ODE code 059999)

Grade Level: 9-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: Accuplacer or ACT placement into ENGL-1100 and completed CSCC application

This course is an introduction to the world of mythology through the study of myths from Greece and Rome. The course explores some of the religious ideas, traditions and values that distinguish one civilization from another, while also indicating universally shared themes. Attention will be given to cultural expression of mythical themes in literature and art.

FINE ARTS DEPARTMENT (VISUAL)**Drawing 1** (ODE code 020012)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

This is a basic drawing class. Students will practice “Learning to Look” to improve drawing skills. Students will utilize graphite, colored pencil and ink. Drawing 1 is designed as a portfolio building class and is a foundation for all other courses. In this course students will create work that falls into beginning and intermediate levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Drawing 2 (ODE code 029100)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Drawing 1 with a B average

This course is a drawing study of the human figure or nature and the natural world. Students will gain an understanding of human proportions by using live models. Students will gain an understanding of landscape and still life compositions. Students will utilize ink, graphite and mixed media. Drawing 2 is designed as a portfolio building class. In this course students will create work that falls into intermediate and accelerated levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Drawing 3/Painting 3 (ODE code 029100)

Grade Level: 10-12

Credit: 1

Duration: 1 year

Prerequisite: Painting 1 and Painting 2 with a B average or Drawing 1 and Drawing 2 with a B average; student planning on majoring or minoring in Art in college

Drawing 3 is an artist-driven elective. The student and instructor will create an aggressive but attainable growth-driven syllabus that the student will be required to complete. Any 2D medium can be used. The student will be responsible for following the given syllabus and completing and displaying all works. All work will be assessed and critiqued by professional practicing artists. In this course, students will create work that falls into intermediate and accelerated levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Ceramics 1 (ODE code 020242)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

This course is designed to introduce students to the fundamentals of ceramics and clay manipulation. In this class the students will learn hand building and wheel building techniques. In this course students will create work that falls into beginning and intermediate levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Ceramics 2 (ODE code 029999)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Ceramics 1 with a B average

This course is a supplemental course to Ceramics 1. In this course the students will further explore hand building sculpture or wheel techniques. The students will be required to design and create sculpture and functional ware. In this course students will create work that falls into intermediate and accelerated levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Ceramics 3 (ODE code 029999)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: Ceramics 1, 2-A and 2-B. Student planning on majoring or minoring in Art in college.

This course is a supplemental course to Ceramics 1, 2-A and 2-B. Students will create work that shows mastery of material and displays individual thought. In this course students will create work that falls into accelerated and mastery levels within the cognitive and creative learning processes, including perceiving, performing and responding. **A student requesting this course should have written permission from the instructor prior to scheduling.**

Basic Animation 1 (ODE code 029999)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Drawing 1, (Drawing 2A preferred)

Students will practice creating characters in different mediums. Students will utilize graphite, colored pencil and ink. Human and imaginary characters will be designed and implemented. Original storylines will be used to feed the creative process. Basic Animation is designed as a portfolio building class and is a foundation for computer animation. In this course students will create work that falls into beginning and intermediate levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Basic Animation 2 (ODE code 029999)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: Basic Animation 1

Students will create visual narratives in different mediums. Students will utilize graphite, colored pencil and ink. Human and imaginary characters created in Basic Animation 1 will be implemented. Original storylines will be used to create graphic novels. Basic Animation 2 is designed as a portfolio building class and is a foundation for computer animation. In this course students will create work that falls into beginning and intermediate levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Art Styles and Movements 1 (ODE code 020101)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

This course is a comprehensive look at the history of Art, Prehistoric to Baroque. A line notebook is required for this class. In this course students will examine work that falls into beginning and intermediate levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Art Styles and Movements 2 (ODE code 020101)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Art Styles and movements 1 C average

This course is a comprehensive look at the history of Art, Baroque to Contemporary. A line notebook is required for this class. In this course students will examine work that falls into intermediate and accelerated levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Painting 1 (ODE code 020012)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

This is a study in acrylic paint. Emphasis will be placed on color theory and brush technique. Students will be required to complete eight paintings by the end of the course. Painting 1 is designed as a portfolio building class. In this course students will create work that falls into beginning and intermediate levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Painting 2 (ODE code 029902)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Painting 1 with a B average

This course is a deeper exploration of acrylic paint. Emphasis will be placed on advanced techniques, styles, materials, and original and creative content. Students will be required to work independently and consistently throughout the duration of the course. Painting 2 is designed as a portfolio building class. In this course students will create work that falls into intermediate and accelerated levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Watercolor (ODE code 029999)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Painting 1 with a B average

This is a study in watercolor. Emphasis will be placed on paint and brush technique. Students will be required to complete 10 paintings by the end of the course. Watercolor is designed as a portfolio building class. In this course students will create work that falls into intermediate and accelerated levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Architectural Design (ODE code 029120)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: Drawing 1 and Drawing 2

This course is designed to give a basic understanding of Architectural design. Students will create works that relate to different aspects and types of architecture. Students will be experimenting with graphic, industrial, fashion and advertising design. Students will also get an opportunity to create and implement original architectural design by creating 3D concept models. In this course

students will create work that falls into beginning and intermediate levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Printmaking 1 (ODE Code 020280)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: Drawing 1, Painting 1

This is an introductory course in linoleum cut printmaking. Students will practice basic and advanced printmaking skills. Printmaking 1 is designed as an upper level portfolio building class. Painting 1, Drawing 1, 2A and 2B are required prior to students taking this course. Students will utilize a printing press, gauges, exacto knives and other printmaking tools. In this course students will create work that falls into intermediate to advanced levels within the cognitive and creative learning processes, including perceiving, performing and responding.

Studio Management/Ceramics Assistant (ODE code 029999)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: Selected by Instructor; student planning on majoring in Art in college

This course is designed to give students a taste of what is necessary in maintaining a working Art studio. Students will be responsible for inventory of materials, new material research and ordering, maintenance and organization of tools and materials. This course is for students who are interested in becoming a professional artist.

FINE ARTS DEPARTMENT (VOCAL & INSTRUMENTAL MUSIC)

Marching/Concert Band (ODE code 120500)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Prerequisite: Permission of Instructor/Proficiency on a musical instrument

The purpose of this ensemble is two-fold. In the fall the group meets as the Northridge Marching Band, representing the high school and community at halftime shows, civic functions, and other events. This group also participates in several OMEA Adjudicated Events. The schedule for marching band includes summer rehearsals and a weeklong band camp. Once school begins, the band will rehearse during school in addition to regularly scheduled practices outside of school. At the conclusion of the marching season, students will audition for seating in the concert band.

Concert band begins once either the marching band has qualified for OMEA State Marching Band Finals or after the football season has ended. This group also rehearses during school. *Attendance at five Pep Band events is required for all members of the Marching/Concert Band unless the student is involved in a winter sport or activity that conflicts with home basketball games. (See the Pep Band course description for more information).* Extra hours of rehearsal and participation at public performances are required.

Attention is given to the development of tone quality, balance, blend, and listening skills. Periodic evaluation of technique, rhythm, and advanced performance techniques will contribute to the improvement of individual musicianship. All students enrolling in this course should have the desire to improve their own levels of musicianship as well as that of the ensemble.

Color Guard (ODE code 129999)

Grade Level: 9-12

Credit: 0

Duration: 9 weeks

Prerequisite: Audition in late spring for following school year's marching band season

This course is linked to Marching Band in the fall semester, and two seasons of participation (or one in conjunction with a sport or cheerleading) will qualify for the Physical Education (PE) waiver. Students will learn and apply the use of equipment and props (e.g., flags, rifles, sabers) in the context of field shows, marching fundamentals, and the basics of dance movement. Advanced students will also be taught leadership skills and be asked to undertake leadership roles within the group. Members will be required to purchase some uniform parts and to attend additional rehearsals outside of the school day. Members will also be required to perform at various events throughout the fall, including sporting events, competitions, festivals and parades.

Jazz Band (ODE code 120500)

Grade Level: 9-12

Credit: 0, ungraded (however, course title will appear on student's transcript)

Duration: 1 year

Prerequisite: Reasonable proficiency on an instrument/Enrollment in Concert Band or permission of instructor

The jazz band studies and performs a variety of literature, including swing, jazz, and rock. Each year, the group performs at concerts, festivals, and various civic occasions. Special emphasis is placed on developing an understanding of various musical styles and ensemble playing. Weekly rehearsals for this group are held outside of school and are scheduled after the first meeting. Jazz band rehearsals begin at the conclusion of the marching band season. The instrumentation of the jazz band is unique and **students wishing to enroll must play an instrument that fits into the traditional jazz band setting.**

Pep Band

Grade Level: 9-12

Credit: 0, ungraded (however, course title will appear on student's transcript)

Duration: Winter Sports Season

Prerequisite: Permission of instructor/Proficiency on a musical instrument

This group will perform at select home boys' and girls' varsity basketball games. Rehearsals will be held the night of each performance prior to the start of the varsity game. Students who sign up for Marching/Concert Band are required to be a part of this ensemble unless they participate in a winter sport or activity that prevents them from attending home basketball games. Students will be divided into two groups based upon instrumentation and are expected to commit to attending and performing at five assigned games listed on the pep band schedule. If a student cannot attend one of their assigned games, the student must find another student to fill in for them and must make up the missed game in order to receive full credit for Marching/Concert Band.

Instrumental Music (ODE code 120500)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None (no previous experience needed)

Instrumental Music is a beginning band class open to all students in grades 9-12. Students will begin to develop skills as individual musicians and as members of a musical group. Emphasis is placed on the development of basic individual technique and music literacy. This group will NOT have additional requirements (concerts) outside of the school day.

Students may choose to take this course for one of many reasons:

- To satisfy the fine arts credit requirement
- To learn an instrument in order to join marching/concert band later
- To learn a secondary instrument
- To catch themselves up in order to rejoin band after having quit in previous years
- To learn something new and fun

Music Theory (ODE code 120300)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: Previous choral or band experience, or at the discretion of instructor

Music is studied in this course as if it were a language, having its own special structure and rules. Students will learn how to read and write notes, and how to dissect and identify chords and melodies. Brief bits of music history will also be included. Students who choose this class wish to have a better understanding of music and why it has the effect on us that it does.

American Music History (ODE code 120800)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: Previous choral or band experience, or at the discretion of instructor

This course will promote greater understanding of the evolution of American music, both artistically and culturally, through the study of musical styles, composers and their works, and the historical conditions that produced them. Topics of this course include: Early music in the colonies, the various attempts to create an individual "American" musical style, diversity of influences; European,

African American, Native American, Spanish-Mexican, religious, jazz, folk song, minstrel, etc. Music of Billings, Gottschalk, MacDowell, Sousa, Ives, Gershwin, Copland, and others.

European Music History (ODE code 120800)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: Previous choral or band experience, or at the discretion of instructor

This course will begin with an overview of music in classical antiquity, the developments of music with relation to the musical tradition of Jewish heritage and the growth of Christianity, and medieval secular vocal and instrumental music. We will then trace the development of polyphony, music in the late middle ages, and the course of musical developments through the Renaissance, Baroque, Classical, Romantic, Twentieth-Century, and Modern eras. We will examine the social, political, and historical background issues which influenced each composer's style. Students will learn to differentiate style characteristics between each of the identified musical eras. Coursework will include active listening, reading and research into composers' lives and contributions to music history.

Music Program Management (ODE code 129999)

Grade Level: 10-12

Credit: ½ (repeatable for up to 1 full credit)

Duration: 1 semester

Prerequisite: Selection by instructor

Students will assist in day-to-day operations of the Music Department at Northridge while learning how to maintain a program from a clerical (Secretary/Music Librarian) or maintenance (Manager) perspective. Interested students can apply for one of four types of student staff positions (Secretary, Librarian, Manager, Tutor). Although knowledge of instruments and a background in music will be helpful, it is not required. This course is highly recommended for any student considering the pursuit of a career in music education.

Concert Choir (ODE code 120400)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Reasonable music proficiency/desire to sing

This is a choir for students who have the desire to develop their vocal ability and be challenged by a varied musical repertoire. There will be several required performances each semester, which make up a large part of the class grade. Students will learn how to read music and be expected to demonstrate music performance symbols and techniques.

Select Choir: Northridge Singers & Viking Voices (ODE code 120400)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Prerequisite: Audition; selection by choir director

These are select ensembles of students in grades 9-12 (Northridge Singers – soprano and alto; Viking Voices – tenor and bass). Students will develop their vocal ability and be challenged by singing a variety of music. There will be several required performances in and out of school each semester. Students in this course should strive to reach a high level of musicianship, individually and as an ensemble. These groups may also participate in OMEA Adjudicated Events.

Vocalise (ODE code 120400)

Grade Level: 10-12

Credit: 1

Duration: 1 year

Prerequisite: Audition; selection by choir director

This is the premiere choral ensemble/show choir at Northridge High School. Students must audition with the director for a spot in the group. Membership is based on vocal ability and maturity, as well as attitude. There will be several required performances both in and out of school each semester. There may be out-of-school rehearsals which count as part of the class requirements. Concerts make up a significant part of the class grade, as well as evaluations of performance symbols and techniques. This group also participates in OMEA Adjudicated Events.

Theater Arts (ODE code 050600)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: None

Theater Arts is a semester-long class that covers a broad range of studies and activities related to drama including vocabulary, history, technical aspects, acting, directing, playwriting, improvisation, scene design, and the supporting of arts and crafts of theater and of selected aspects of video, radio, television and film. Students will be expected to perform and memorize monologues and scenes.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

Two semesters of Physical Education and one semester of Health are required for graduation. Students may repeat Physical Education courses.

Health (ODE code 260101)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Required Course

This high school Health course helps students develop the knowledge and skills they need to make healthy decisions that allow them to stay active, safe, and informed. Students learn about the components of a healthy lifestyle and learn strategies for making healthy choices.

Health 2 (ODE code 260101)

Grade Level: 9-12

Credit: ½

Duration: 1 semester

Prerequisite: Health

Health 2 is a course that covers content and skill work in the application of health education and health literacy. The course will build, develop and implement students' life-long health skills in many areas such as nutrition and fitness, disease prevention, mental health, substance abuse prevention, and community advocacy. Students will be able to plan meals, budget expenses, access resources, understand medical information and propose change within their families, neighborhoods and communities.

Physical Fitness (ODE code 080300)

Grade Level: 9-12

Credit: ¼

Duration: 1 semester

Prerequisite: None

This course is designed for students to practice and develop skills in activities that will help students maintain fitness throughout their life. Early in the course students' fitness levels will be assessed in the following areas: cardiovascular endurance, flexibility, muscular strength and muscular endurance. From these assessments we will develop a baseline in which we will use to set personal fitness goals. We will explore fitness activities designed to improve all areas of fitness. Our goal is that by the end of the semester students will improve their scores on their baseline fitness tests through regular cardiovascular endurance training, muscular endurance training, and activities designed to increase current levels of fitness. Students will be introduced to life-long activities designed to increase their likelihood of exercising in the future. Students will understand the benefits that regular exercise can provide for a person's mental, physical, and social health.

Lifetime Fitness (ODE code 080300)

Grade Level: 9-12

Credit: ¼

Duration: 1 semester

Prerequisite: None

This course will develop skills and knowledge of games, recreational, and leisure sports and activities. Students will acquire skills and knowledge that can be used in their recreational and leisure activities that will assist in the development of their fitness plans. Team,

dual, and individual sports/activities are emphasized, while developing sound physical, mental, and emotional fitness habits. A variety of sports/activities will be available.

Team Sports (ODE code 080405)

Grade Level: 9-12

Credit: $\frac{1}{4}$

Duration: 1 semester

Prerequisite: None

This course is designed to inform and instruct students of the benefits of learning activities through gameplay. This course focuses on learning sport-related skills and strategies. Activities may include, but are not limited to volleyball, Badminton, ultimate Frisbee, and flag football. Students will also complete activities in physical conditioning.

Strength & Conditioning (ODE code 080999)

Grade Level: 9-12

Credit: $\frac{1}{4}$

Duration: 1 semester

Prerequisite: None

This course is designed to introduce students to activities that build muscular strength and endurance as well as improve cardiorespiratory endurance

MATHEMATICS DEPARTMENT

Math Sequencing:

Algebra 1 → Geometry → Algebra 2 or Math Modeling Reasoning → Stats or Pre-calculus or CCP college math course → AP Calculus (if Pre-calculus completed) → Calculus 2

- Strong math students with room in their schedule could double up Geometry + Algebra 2 in a single year with teacher approval
- All students are advised to pursue the most rigorous math curriculum they can tolerate to maximize post-high school options

Northridge High School students are required to earn a minimum of four units of math to graduate, including Algebra 2. Students are encouraged to purchase a graphing calculator early in their high school careers to get the most use out of this purchase. Furthermore, state testing allows students to use a graphing calculator, and students will benefit a great deal from having used them before. Recommended model is the TI-84 calculator.

Algebra 1 (ODE code 110480)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Recommended: Graphing Calculator, TI-84 model

Prerequisite: Recommendation of 8th grade mathematics teacher; performance on state math testing

The purpose of Algebra 1 is to provide a solid foundation of mathematical concepts to allow students to be successful in all future math courses. Topics include: solving and graphing linear equations and inequalities, introduction to polynomials and non-linear functions.

Algebra 1 Workshop (ODE code 111960)

Grade Level: 9

Credit: 1

Duration: 1 year

Co-requisite: Algebra 1

Students will be assigned to this course per demonstrated need for math support, practice, and intervention.

Geometry (ODE code 111200)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Recommended: Graphing Calculator, TI-84 model

Prerequisite: Successful completion of Algebra 1

This course in geometry covers the standard content of Euclidean geometry including congruence, similarity, polygons, circles, transformations, constructions, and coordinate geometry. The course also includes studies of Trigonometry including right triangle trigonometry, Law of Sines, Law of Cosines and uses a variety of techniques of proof.

Geometry Workshop (ODE code 111970)

Grade Level: 10

Credit: 1

Duration: 1 year

Co-requisite: Geometry

Students will be assigned to this course per demonstrated need for math support, practice, and intervention.

Algebra 2 (ODE code 110302)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Recommended: Graphing Calculator, TI-84 model

Prerequisite: Successful completion of Algebra 1 and Geometry; performance on state math testing; teacher recommendation if taken concurrently with Geometry

Algebra 2 reviews the essentials of Algebra 1 and covers such topics as: linear and quadratic functions, systems of linear equations and inequalities, polynomial and rational algebraic expressions, exponents and logarithms, radicals, complex numbers, probability and statistics, and an introduction to basic Pre-Calculus concepts.

Mathematical Modeling and Reasoning (ODE code 111350)

Grade Level: 10-12

Credit: 1

Duration: 1 year

Recommended: Graphing Calculator, TI-84 model

Prerequisite: Algebra 1 and Geometry (or Math 1 and Math 2)

This course prepares students to investigate contemporary issues mathematically and to apply the mathematics learned in earlier courses to answer questions that are relevant to their civic and personal lives. Hands-on applications will provide an opportunity for deeper understanding and extension of math concepts from earlier courses. MMR will connect math skills with career and life situations. This course is an Algebra 2 equivalent.

Statistics and Financial Math (ODE code 119550)

Grade Level: 10-12

Credit: 1

Duration: 1 year

Recommended: Graphing Calculator, TI-84 model

Prerequisite: None

In this class students will practice algebra mathematics using financial business applications. Specific areas covered include the financial aspects of career planning, financial management, income analysis, budgeting techniques, savings and investment strategies in order to meet short and long-term goals, evaluation of services offered by financial institutions, managing credit cards and debt, risk analysis, fraud and financial loss.

Probability and Statistics (ODE code 111500)

Grade Level: 10-12

Credit: ½

Prerequisite: Successful completion of Algebra 2; often paired with College Algebra (MATH-140)

Study of probability, data analysis, logical reasoning, likelihood of random events occurring, Bayes' Theorem, conditional probabilities, creating truth tables to deduce logical conclusions, set theory, and discrete math topics.

Pre-Calculus (ODE code 110099)

Grade Level: 10-12

Credit: 1

Duration: 1 year

Recommended: Graphing Calculator, TI-84 model

Prerequisite: A grade of C or better in Algebra 2

Pre-calculus is for the college bound student who has completed Algebra 1, Geometry, and Algebra 2. The course will primarily expand the student's proficiency in analysis, trigonometry concepts, algebraic concepts, real and complex number systems and elementary calculus. It is intended to prepare the student for college mathematics above algebra.

AP Calculus (ODE code 119930)

Grade Level: 11-12

Credit: 1 (weighted)

Duration: 1 year

Recommended: Graphing Calculator, TI-84 model

Prerequisite: A grade of C or better in Pre-Calculus

AP Calculus will further students' problem-solving ability through the study of calculus and its related applications. This course is for students who wish to pursue college-level calculus while still in secondary school and see the opportunity to expand their knowledge of mathematics. Participating colleges often grant credit and/or favorable placement to students who do well on the AP Calculus AB exam which is offered annually in May.

Calculus 2 (ODE code 110600)

Grade Level: 12

Credit: 1 (weighted)

Duration: 1 year

Recommended: Graphing Calculator, TI-84 model

Prerequisite: A grade of C or better Calculus 1

This course will allow for further exploration of Calculus concepts and an option to take the AP Calculus BC exam. Participating colleges may grant credit and/or appropriate placement to students who have done well on the national examination offered by the Advanced Placement Program.

COLLEGE CREDIT PLUS - MATH**MATH-140 College Algebra** (ODE code 119999)

Grade Level: 10-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: ACT Math 22, college math placement benchmark, and completed COTC application

Course is graded A-F. This course is a study of algebraic functions including polynomial, rational, radical, exponential, logarithmic, and piece-wise defined functions. Topics investigated will include domain, range, graphs, inverses, operations, equations, inequalities and their applications. MATH-140 meets the Ohio Transfer Module standards for course TMM001. Colleges often expect to see four complete years of math, so this course is paired with the Probability and Statistics course.

MUSIC DEPARTMENT – SEE FINE ARTS DEPARTMENT (VOCAL & INSTRUMENTAL MUSIC)**SCIENCE DEPARTMENT**

Students need three credits of science for graduation. These units must include one biological/life science, one physical science (includes Chemistry), and one advanced or lab science course. Students considering attending a four-year college are recommended to have two laboratory science credits.

TYPICAL PROGRESSION

- 9th Grade – Physical Science
- 10th Grade – Biology

- 11th and 12th Grades – Additional science course(s) as complements post-high school college or career plans

ADVANCED PROGRESSION

- 9TH Grade – Biology
- 10th Grade – Chemistry I
- 11th and 12th Grades - Additional science course(s) as complements post-high school college or career plans

Physical Science (ODE code 132220)

Grade Level: 9

Credit: 1 physical science

Duration: 1 year

Prerequisite: None

This course covers basic physics concepts first semester: conservation of energy, transfer and transformation of energy, electricity, motion, forces, and dynamics. The course covers basic chemistry concepts second semester: scientific method, properties of matter, states of matter, atomic structure, nuclear chemistry, periodic trends, bonding, and chemical reactions.

Biology (ODE code 132230)

Grade Level: 9-12

Credit: 1 life science

Duration: 1 year

Prerequisite: None

This course will cover an overview of basic biological topics including classification systems, evolution of populations, DNA's role in the cell and genetic inheritance patterns, Cell parts and processes including photosynthesis, respiration, and protein formation, and how ecological systems depend on each other. Basic scientific method and scientific writing and reading skills will be developed over the length of this course.

ADVANCED/LAB COURSES - SCIENCE

Applied Chemistry (ODE code 130301)

Grade Level: 10-12

Credit: ½ physical/advanced science

Duration: 1 semester

Prerequisite: Credit in Physical Science and/or Biology

This course will build connections between students' previous science knowledge and real-world applications. Students will focus on specific applications in various industries and their connections to chemistry topics. This course includes laboratory investigations and potential field trips/guest speakers from the community in addition to lecture and project-based learning. Topics covered include Food Chemistry, Fuel/Energy, Manufacturing (Plastics, Synthetics, Microcircuits, Metal Deposition), Paint and Dye, New Materials, and Household Chemistry.

Weather and Climate (ODE code 139998)

Grade Level: 10-12

Credit: ½ advanced science

(Sophomores who are enrolled in another science course)

Duration: 1 semester

Prerequisite: Credit in physical and/or life science

Weather and Climate will investigate properties of Earth's atmosphere. Topics include atmospheric gases and layers, water in the atmosphere, weather forecasting, extreme storms, climate characteristics, and global climate change. Current events and human interactions with the atmosphere are discussed within the study of each topic.

Astronomy (ODE code 139998)

Grade Level: 10-12

Credit: ½ advanced science

Duration: 1 semester

Prerequisite: Credit in Physical Science and/or Biology

The course of astronomy is designed to cover the scope of the Universe in one semester. The concepts covered include: the Universe, Earth's movements, Formation of the Solar System, Earth's Moon, Minor Bodies, the Sun, Stellar Formation, Star Groups and the Big Bang Theory.

Environmental Science (ODE code 132350)

Grade Level: 10-12

Credit: ½ advanced science

Duration: 1 semester

Prerequisite: Credit in Physical Science and/or Biology

The focus of this class is to investigate relationships between living organisms and the environment. Students will learn to observe and identify local species. The course will also investigate how humans use and conserve resources within different environments. There will be several trips outdoors, so students must be prepared to wear appropriate clothing and foot gear. A few field trips off-property may be planned as well. **Students may be charged for field trip expenses.**

Forensic Science (ODE code 139998)

Grade Level: 10-12

Credit: 1 advanced science

Duration: 1 year

Prerequisite: Credit in Physical Science and/or Biology

This course is offered to students in grades 11 and 12 who have successfully completed a Physical Science and Biology course. Students will participate in a hands-on science course which will integrate science, mathematics, and writing skills by using case-studies and laboratory activities. Topics covered will include: observation skills, collecting evidence such as hair, fibers, fingerprints and blood, DNA fingerprinting, handwriting analysis, and time and cause of death.

Geology (ODE code 134250)

Grade Level: 10-12

Credit: ½ physical science or advanced science

Duration: 1 semester

Prerequisite: None

The course is designed to delve into the ideas of Earth science. Concepts covered look at matter and energy related to the relationships between the geosphere, biosphere, atmosphere and hydrosphere.

Physics (ODE code 130302)

Grade Level: 11-12

Credit: 1 physical science/1 laboratory science

Fee: A scientific calculator is required

Duration: 1 year

Prerequisite: Concurrent enrollment in Pre-Calculus. C or better in previous science courses.

Physics is the science of the behavior of matter and energy. The topics include the study of forces and motion, energy, waves (sound and optics), and electricity and magnetism. This is a college preparatory course and is highly recommended for anyone considering advanced study in engineering, electronics, chemistry, mathematics, medicine, geology or physics.

Chemistry 1 (ODE code 130301)

Grade Level: 10-12

Credit: 1 physical science or 1 advanced science

Duration: 1 year

Prerequisite: C or better in Algebra 1 and recommended Algebra 2. C or better in previous science courses.

This course is designed to build on the basic knowledge of chemistry gained from physical science. The concepts covered include: atomic structure, periodic table, intramolecular chemical bonding, representing compounds, quantifying matter, phases of matter, intermolecular chemical bonding, chemical reactions, gas laws, stoichiometry, and nuclear reactions.

Chemistry 2 (ODE code 130301)

Grade Level: 10-12

Credit: (weighted) 1 physical science or 1 advanced science

Duration: 1 year

Prerequisite: B or better in Chemistry 1 or permission of the instructor

This course builds on students' previous chemistry knowledge, while focusing on experimental inquiry and scientific reasoning skills. Topics covered include: Structure of the Atom, Periodic Table, Nuclear Chemistry, Chemical Bonding, Stoichiometry, Gas Laws, Equilibrium, Kinematics, Solutions Chemistry, Thermodynamics, Electrochemistry, Acid-Base Chemistry, Organic Chemistry, and Green Chemistry. This is an accelerated course and covers material at a faster pace than Chemistry 1.

Advanced Biology (ODE code 132330)

Grade Level: 11-12

Credit: 1 advanced science (weighted)

Duration: 1 year

Prerequisite: B or better in Chemistry. B or better in Biology.

This course will elaborate on content learned from Biology. This content includes Structures and functions of organic molecules*, parts and processes of the cell including enzyme function and photosynthesis and cellular respiration, genetic inheritance models, proteins synthesis including transcription and translation, the evolution of land plants*, and the evolution of common animal phyla*. A short dissection such as a dog shark or frog may be performed to elaborate on the structural differences between animals. Complex math operations, including statistical analysis, will be included in this course. A secondary focus of this class is the use of and writing scientific articles and designing and implementing experimental designs. A summer assignment is required to take this course. Students in this course will complete several research projects throughout the year. **Historically, students in this course have scored well on the AP Biology exam and earned college credit.**

*Is not covered in Biology course

Anatomy & Physiology (ODE code 139998)

Grade Level: 10-12

Credit: 1 life science or 1 advanced science (weighted)

Duration: 1 year

Prerequisite: C or better in Chemistry I. C or better in Biology.

This class covers content related to the structure and function of the human body including Anatomical reference terms and directions, structure and function of organic molecules, the integumentary system, the skeletal system, the muscular system, the cardiovascular system, the respiratory system, the nervous system, the urinary and digestive systems, and the reproductive systems. Dissections to focus content comprehension could include heart dissection, brain dissection, and cat dissection. A secondary focus of this course is the use of scientific articles and research writing. Possible careers in the health field will also be examined. **This is an accelerated course and covers material at a faster pace than Biology.**

SOCIAL STUDIES DEPARTMENT

Three Social Studies credits are required for graduation, including Modern World History, American History, and American Government. Economics is a semester course, which can be taken as a sophomore, junior, or senior and fulfills the state's financial literacy requirement. The Social Studies Department offers several electives for students with college, military and workforce aspirations.

Modern World History (ODE code 150890)

Grade Level: 9

Credit: 1

Duration: 1 year

Prerequisite: Required Course

This course incorporates all of the major components of social studies: history, geography, economics and government. Focuses on world history from 1700's to modern day, including the Enlightenment, Industrial Revolution, Imperialism, World War I, World War II, the Russian Revolution and Great Depression, and The Cold War. We will focus on increasing reading comprehension, understanding the causes and effects of events, and increasing basic history vocabulary.

American History (ODE code 150810)

Grade Level: 10-11

Credit: 1

Duration: 1 year

Prerequisite: Sophomore or Junior status

A required course for all students during the Sophomore or Junior year. The general objectives of the course are to teach the basic facts of United States history in chronological order, to develop the skills and responsibilities needed to become a knowledgeable and informed citizen and voter, to understand and search for the cause and effect relationships in historical concepts, and to develop a love of country. The student is taught how to read historical evidence and to arrive at conclusions on the basis of facts rather than prejudice.

Honors American History (ODE code 150810)

Grade Level: 10-11

Credit: 1 (weighted)

Duration: 1 year

Prerequisite: C or higher average in Modern World History 9 or by teacher recommendation and approval

A required course that provides students with a comprehensive, intensive study of major events and themes in United States history. The class begins by examining the United States during Reconstruction following the Civil War. We then study the Industrialization of America, the Progressive Movement, World War I, the Great Depression, World War II, the Cold War, Vietnam, and events of the 80's, 90's, and 2000's. Students will analyze major events and people that have shaped the United States as we know it today.

American Government (ODE code 150300)

Grade Level: 11-12

Credit: 1

Duration: 1 year

Prerequisite: Junior or Senior status

American Government is designed to give the student a basic knowledge of our nation's governmental functions at the national, state and local levels. This course stresses the significance of the U.S. Constitution, the election process and the rights and responsibilities of citizenship. This course is a requirement for graduation.

Financial Literacy (ODE code 153001)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: None

One-half credit of Financial Literacy is required by the State of Ohio. The Ag Business Management course (see Agricultural Education Department) also meets this requirement for the Class of 2024 and Class of 2025. Students in the Class of 2026 and beyond are required to complete this Financial Literacy course.

Students will learn about financial topics such as credit, debt, investing, money management, informed consumer decision making, insurance, and financial planning. Students will develop skills to become responsible consumers/investors in order to better utilize their resources and make informed financial decisions.

SOCIAL STUDIES ELECTIVES**World Geography** (ODE code 150700)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: None

Geography is many things. It includes our natural surroundings, the resources and needs of the world's nations, and the relationship between people and the land on which they live. This course discusses maps, their importance, and how to use them. It also explains how people have collected knowledge over many generations and how that knowledge helps them relate to the natural world around them. Geographical regions of the world and individual nations within each of these regions are studied. Students are made aware of the interdependence of the world's nations, world trade, the conservation of the world's resources, and the problems of developing nations.

History of American Wars (ODE code 159999)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: None

This course is an in depth look into the wars of American History. Students will explore the evolution of war from the American Revolution through the current war on terrorism, with a main focus on the Civil War, World War I, World War II, and the Vietnam War. The class will look at the main causes, strategies, and battles of the American wars. The students will also get a chance to see how weaponry has changed over time. From the musket and bayonet of the Revolution, to the modern weapons of today.

Native American Studies (ODE code 159999)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: None

Americans know shockingly little about the native people of our country. All human beings live in a social order known as a society. Each society develops beliefs, customs, folkways, and mores which distinguish it from other societies and make each a unique culture. Native Americans have had a rich and troubled history in this country, and this course will expose you to the unique situations this group has faced with respect to independence, identity, and recognition. The course focuses on a chronological history, with anthropological and archaeological foundations, of the Native Americans from early migration to the present.

American Pop Culture (ODE code 159999)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: None

America is in many ways defined by its popular culture and has been for the past century. Popular culture provides us a window into the perspectives of the everyday person and allows us to consider the values and experiences of Americans in different historical periods. It can, in other words, tell us much about U.S. history as a whole. This class will study American society through the lens of pop culture from the creation of pop culture to present day. We will examine television, film, advertising, music, and literature. This class will consist of lectures, video, music, readings, and projects.

Advanced World History (ODE code 150890)

Grade Level: 11-12

Credit: 1 (weighted)

Duration: 1 year

Prerequisite: Grade of A in both Modern World History and American History, and at least a B average in English classes OR successful completion of HIST-151. In addition, instructor approval is required. Completion of Composition 1 and 2 is strongly recommended.

The Advanced World History course focuses on developing students' understanding of world history from approximately 8000 B.C.E. to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasons, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; creation, expansion, and integration of economic systems; development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. The course is designed to be the equivalent of a two-semester introductory college world history course.

Grit Literature (ODE Code 159999)

Grade Level: 10-12

Credit: ½

Duration: 1 semester

Prerequisite: None

Students will read popular non-fiction books (including Angela Duckworth's Grit: The Power of Passion and Perseverance) and experiment with implementing some core concepts into their own lives for a month. Opposing philosophies about discovering and unlocking one's own potential will be examined, discussed, and tested--such as working harder vs. taking time to smell the roses, starting the day with a cold shower vs. surrounding oneself with pure comfort, and others.

History Survey (ODE code 159999)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Prerequisite: Student interest in Quiz Bowl participation

This class will be a preparatory course for the yearly Quiz Bowl tournament. Students will take the lead in studying subject categories, as well as making crowd-sourced study materials and questions, and participating in weekly trivia matches against classmates. Students will be evaluated on their effort and contributions to the class. Following the conclusion of the Quiz Bowl season, the class will transition into a research project. Students will learn proper research steps on a topic of their choosing. As

their final exam, students will use their research to complete a project based on the topic. Students will have the opportunity to work in the makerspace, work collaboratively with teams of students, and match wits with their peers in weekly trivia challenges.

COLLEGE CREDIT PLUS – SOCIAL STUDIES

SOC-110 Cultural Diversity (ODE code 310020)

Grade Level: 11-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: Qualifications for College Credit Plus

The course focuses on the differences and similarities among racial, ethnic, religious and other diverse populations in the United States and includes historical, religious and sociocultural issues and current conflicts.

HIST-150 U.S. History I: To 1877 (ODE code 159999)

Grade Level: 10-12

Credit: 1 (weighted)

Duration: 1 semester

Prerequisite: Grade of A in Modern World History; completed CCP qualification process

This course surveys the political, social, economic, and cultural development of the United States from pre-history and European exploration through Reconstruction. Among the topics covered are colonization, slavery, the establishment of the new nation, the displacement of native peoples, sectional problems, national growth, the Civil War and Reconstruction.

HIST-151 U.S. History II: Since 1877 (ODE code 159999)

Grade Level: 10-12

Credit: 1 (weighted)

Duration: 1 semester

Prerequisite: Grade of A in Modern World History; completed CCP qualification process

This course surveys the political, social, economic, and cultural development of the United States from Reconstruction through the end of the twentieth century. Among the topics discussed are westward movement, industrialization, immigration, the labor movement, imperialism, progressivism, World War I, the Great Depression, the New Deal, World War II, the Cold War, Vietnam, and the transition to an information economy.

PSY-100 Introduction to Psychology (ODE code 151121)

Grade Level: 9-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: Accuplacer or ACT placement into ENGL-1100 and completed CSCC application

Introduction to Psychology provides an introduction to the areas of basic theoretical constructs, nervous system functioning, perception, learning, memory, emotion, cognition, intelligence, personality theories, stress social psychology and motivational psychology. PSY-100 meets Ohio Transfer Module standards for course TMSBS and Ohio Transfer Assurance Guides standards for course OSS015.

CLAS-1224 Classical Civilization: Greece (ODE code 159999)

Grade Level: 9-12

Credit: 3 college credit hours; 1 high school credit (weighted)

Prerequisite: Accuplacer or ACT placement into ENGL-1100 and completed CSCC application

This course is a survey of the culture and ideas of Ancient Greece. Emphasis is on the literature, history, ideas, art, and theater of the Ancient Greeks.

WORLD LANGUAGES DEPARTMENT

Spanish 1 (ODE code 060265)

Grade Level: 8-12

Credit: 1

Duration: 1 year

Prerequisite: A grade of C or better in English or written permission from instructor

Spanish 1 students will be able to speak, read, write and understand beginning level Spanish. This course is designed to teach students how to learn a foreign language and utilize language skills. This includes techniques for vocabulary memorization, listening comprehension, pronunciation practice, repetition of common phrases, choosing keywords to increase reading comprehension, and

learning cultural similarities and differences in order to understand practices and perspectives of various societies. Students will prepare and present conversations given real life scenarios, read authentic language passages, sing songs, explore different cultures, learn vocabulary and grammar. Spanish will be the primary language spoken in class at a comprehensible level to the class.

Spanish 2 (ODE code 060265)

Grade Level: 9-12

Credit: 1

Duration: 1 year

Prerequisite: A grade of C or better in Spanish 1 or written permission from instructor

Spanish 2 students will be able to speak, read, write and understand novice and intermediate level Spanish. This course is designed to teach students how to build on prior knowledge from Spanish 1 while advancing and utilizing language skills to gain more knowledge about Spanish, specifically speaking and writing in the past tense. Students will have more in depth conversations and be able to describe past events in various role-playing scenarios. Students will be taught in Spanish comprehensible to their level.

Spanish 3 (ODE code 060265)

Grade Level: 11-12

Credit: 1

Duration: 1 year

Prerequisite: A grade of C or better in Spanish 2 or written permission from instructor

Spanish 3 students will be able to speak, read, write and understand intermediate level Spanish. This course is designed to build upon prior knowledge and skills in order to engage in more advanced conversations and related activities. Students will continue to use and improve techniques for vocabulary memorization, listening comprehension, advancing grammatical abilities and knowledge of various Spanish-speaking societies. Students will prepare and present conversations given real life scenarios, read authentic language passages, study and analyze music and film while exploring different cultures in depth. Spanish will be the primary language spoken in class.

Spanish-1102 – Beginning Spanish 2 (ODE Code 060265)

Grade Level: 11-12

Credit: 1 (weighted)

Duration: 1 semester

Prerequisite: A grade of C or better in Spanish 3

This CCP online course is a continuation of high school Spanish 3, with further development of listening, reading, speaking and writing skills and further study of Hispanic culture.

Spanish-1103 – Intermediate Spanish (ODE Code 060265)

Grade Level: 11-12

Credit: 1 (weighted)

Duration: 1 semester

Prerequisite: Spanish-1102 with a minimum grade of C

Spanish-1103 is an online CCP course that focuses on the reading and discussion of Spanish and Latin American short stories, novels, plays, newspapers, and magazines, emphasizing literary appreciation and the development of Hispanic culture.