

# NEW LEXINGTON HIGH SCHOOL



COURSE OFFERINGS BOOK  
2016 - 2017





# New Lexington High School

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Dear Panther Parent and Student,

Welcome to your course offerings book! This booklet will help guide your journey through the academic path you will pursue at New Lexington High School. I would like to thank you for taking part in one of the most important exercises of your child's high school career, that of course selection for the upcoming year.

Selecting the proper courses in high school is the first step in preparing for the future, whether that future is college, technical school, the armed services, or direct entry into the world of work.

Course selection also has important implications for the operation of NLHS, as the courses selected by the students at this time will determine what classes are offered, faculty needs, and numbers of class sections for the next school year.

Such an important decision is best made by parents and students working together to select the proper courses. We ask that you review this document with your son or daughter and together choose the courses that are best suited for his/her future plans.

If you have any questions about the registration process, please feel free to contact the guidance office.

Sincerely,



James A. Young  
Principal

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## Section 1: The Scheduling Process

### A. Scheduling Process/Procedures

1. Read all the information in this handbook completely.
2. Read the course descriptions, which tell you about each course offered.
3. Each student will complete a course request form with the assistance of his or her teachers. **Reminder** – There are nine periods in a day and you must register for a minimum of seven courses. Students' teachers will recommend appropriate placement for core courses (English, Science, Math, and Social Studies). In addition, parents are required to sign the registration form indicating their approval for the courses that have been recommended and/or selected.
4. **It is important to note that schedules may change due to student enrollment and credits earned. Therefore, students will receive a copy of their schedule in August, which may be different than the schedule they create in the spring.**
5. Students should realize that not all courses described in this booklet may be taught during the upcoming school year. The specific non-required courses that will be available will be determined by student requests and staff availability. Every effort will be made to meet the needs of the greatest number of students. Adjustments to the final course offerings are often needed once final grades for the previous year have been determined. If this becomes necessary, students will be contacted and their options outlined. Students may be asked to select alternative electives in order to ensure a complete schedule.

## B. Scheduling Timeline






	<b>Timeline</b>	<b>Process</b>	<b>Responsibility</b>
① Gather Data	February	Courses are selected by each student.	Student, Parent & Teacher
Verification of Student Requests (accuracy check)	February	Each student will have teachers verify course requests.	Student, Teacher & Parent
② Create Sections	March	Numbers of student requests is totaled and sections are created.	Administration & Counselors
Create Master Schedule	March	Number of sections are created for each course based on teacher availability.	Administration, Counselors & Staff
Create Schedule	March	Student schedules are built based on course request and master schedule compatibility.	Students, Parents, Administration, Counselors & Staff
③ Schedule Conflicts Corrected	April → August	Master schedule is reviewed, classes are balanced, and conflicts are resolved.	Administration & Counselors

- ① This step determines how many requests there are for each course.
- ② This step takes the number of requests for each course and converts those numbers into the number of sections of each course that will be taught. Some students may have to use alternate course selections at this stage because courses with too few student requests will not be offered.
- ③ Courses may be in conflict with one another and sections may need to be balanced. Alternate courses may have to be used at this time.

## C. Selecting Courses to Achieve Your Goals

High school is the educational “road map” to your future. Select courses that take you to your destination. Think about where you want to be after high school – work, military, college, etc. Set goals and use this guide as a learning tool. Please read this course description book!

Consider the following when selecting courses:

-  Interest – What do you like? (Check out [www.OhioMeansJobs.com](http://www.OhioMeansJobs.com) if you’re not sure.)
-  Ability – What you can do well?
-  Realism – Do your current grades/effort support your choice?
-  Teachers – Consider recommendations and the guidance of your teachers.
-  Graduation – Do you have what you need to graduate?

## D. Schedule Changes

Schedules are the result of careful planning on the part of the student, parent, and counselor, and required courses cannot be changed. Elective courses are chosen by the student and approved by the parents. Staffing is often dictated by your decisions and resources are purchased based on those decisions. Please carefully consider your course decisions before making choices. **Consult with the teacher who will be instructing the course or students who have taken the course before deciding a class is right for you.**

Changes will **only** be made if a student's situation meets one of the following:

1. Student did not meet prerequisites for the course or has been inappropriately placed.
2. Student wishes to upgrade the schedule with the addition of a more challenging course.
3. Senior student needs to add a class in order to meet graduation requirements.
4. Sophomore student needs to add a class in order to meet Tri-County entrance requirements.
5. Special considerations and exceptions may be made in the case of extended illness, transfer students, and other unforeseen circumstances.
6. A student may withdraw from any course at any time if the student is suffering emotional trauma related to that particular course, provided the following conditions are both met:
  - 1) Parent or guardian presents a letter from a State licensed certified psychologist or psychiatrist; and
  - 2) The principal approves the change following a conference with the parent. In this case, "W/F" (withdraw/fail) will be entered on the transcript for that particular course.
7. Principal approval after discussion with student, parents, and staff.

\*All schedule change requests must be submitted using the schedule change form and must be submitted within the first two weeks of the course. **There will be no exceptions unless they meet the qualifications listed above.**

\*\*No schedule changes will be made prior to the beginning of the school year, except in one of the following scenarios:

1. The student is missing a required course;
2. The student is not scheduled for a lunch period;
3. The student is scheduled to repeat a class that has been completed successfully; or
4. There is a conflict in the student's schedule that will affect College Credit Plus enrollment or attendance at a college campus.

## Section 2: Curriculum Opportunities

### A. NLHS Graduation Requirements

**Twenty-one (21) credits are required to graduate.**

In accordance with the State Minimum Standards and the requirements of the New Lexington Board of Education, the following are required of all graduates:

In addition to the requirements listed below, each student should select a career path. NLHS career paths can be found later in this document. In order to receive a high school diploma and participate in graduation, a student must pass all parts of the Ohio Graduation Test or (beginning with the class of 2018) earn a minimum of 18 graduation points from Ohio's State Tests in Math, English, Science, and Social Studies.

<b>NEW LEXINGTON HIGH SCHOOL Graduation Requirements</b>	
<b>SUBJECT AREA</b>	<b>CREDITS REQUIRED</b>
English	4.00 credits
Math	4.00 credits
Social Studies	4.00 credits
Science	3.00 credits
Health	.5 credits
Physical Education	.5 credits (2 semesters)
Fine Arts/Bus. Tech/Modern Language	1.00 credit
Elective*	4.00 credits
<b>TOTAL</b>	<b>21.00 Credits</b>

#### **Credit Policy:**

Credit for yearlong classes will be issued only when both semesters are completed. For example, a student withdrawing from a yearlong class after the first semester will not receive credit for that course. All yearlong courses will be credited by year, not by semester. No half credit will be given to those who pass or complete only one semester.

\*Information Technology is a required elective for students in the Class of 2018 and earlier.



## B. Post High School Plan

The most important question to be answered is “Where do I plan to be after high school?” Will I be working, in a two-year college, in a four-year college, in a technical school, or in the military? Use this chart and the graduation or 4-year college “core” requirement chart on the following page to guide you in your course selection.

<b>PLAN</b>	<b>EXPLANATION</b>	<b>H.S. CURRICULUM</b>	<b>OTHER</b>
<b><u>Work</u></b>	Find/continue a job after graduation.	Completion of graduation requirements/H.S. diploma. Follow pre-vocational, vocational or business/technology curriculum.	TCCC
<b><u>Apprenticeship</u></b>	On the job training - must apply for an apprenticeship position (i.e., carpentry, masonry, etc. (Earn & Learn)	Completion of graduation requirements/H.S. diploma. Follow pre-vocational, vocational or business/technology curriculum.	TCCC
<b><u>Military</u></b>	Learn a skill while serving your country in any branch of the service.	Completion of graduation requirements/H.S. diploma. Follow pre-vocational, vocational or business/technology curriculum.	ASVAB TCCC
<b><u>Technical School</u></b>	Ranges in length (depending on school/program) usually less than 2 years.	Completion of graduation requirements/H.S. diploma. Follow pre-vocational, vocational or business/technology curriculum.	TCCC
<b><u>Two Year College</u></b>	Usually takes 2 years to complete after which you earn an Associate’s degree.	Completion of graduation requirements/H.S. diploma. Follow pre-vocational, vocational or business/technology curriculum. Follow college preparatory curriculum.	ACT or SAT - Required for some programs TCCC
<b><u>Four Year College</u></b>	Usually takes 4-5 years to complete after which you earn a Bachelor’s degree in a specific career area.	Completion of graduation requirements/H.S. diploma. Follow 4-year college prep “Core” curriculum.	ACT or SAT

## C. NLHS Graduation Pathways

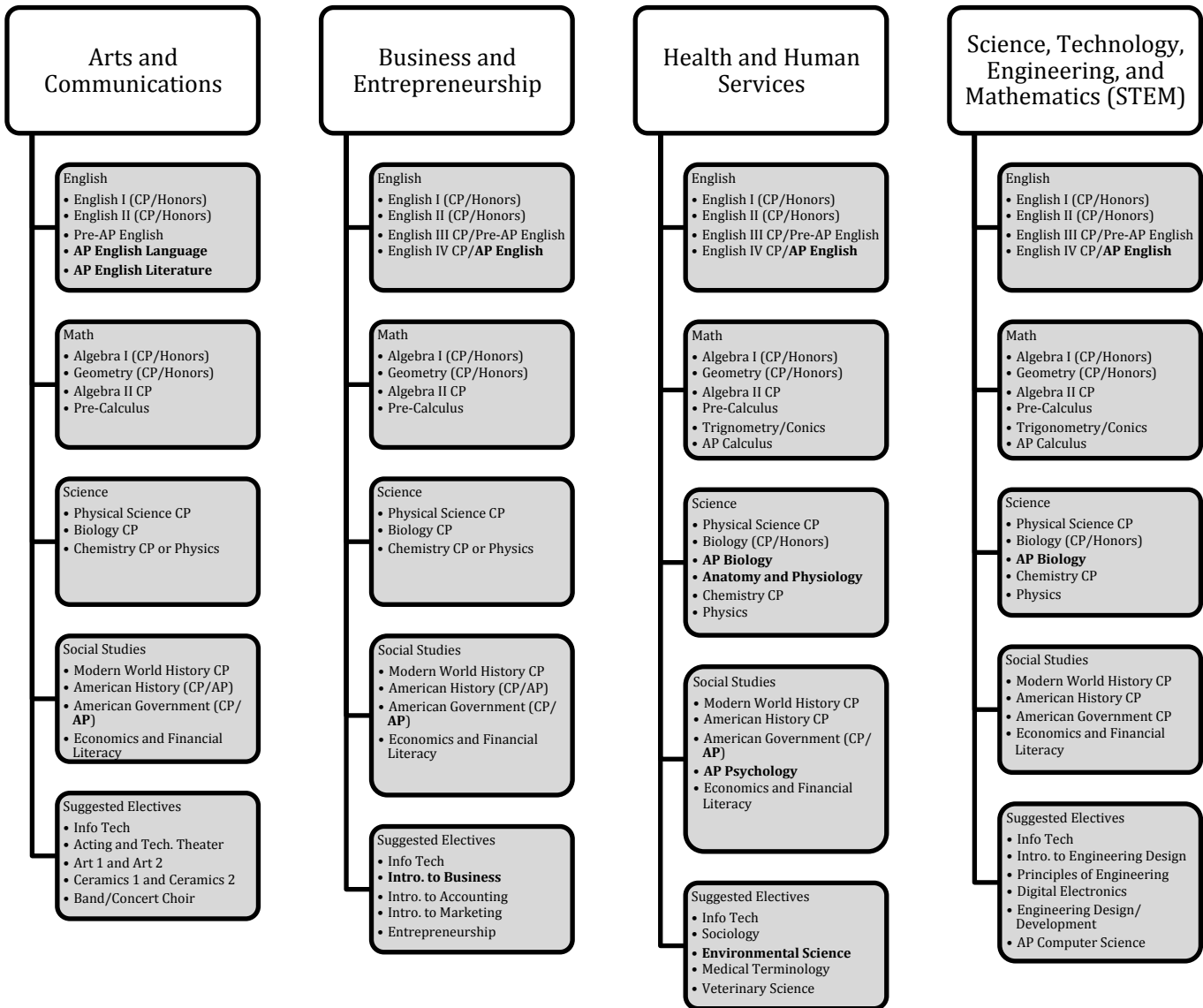
In order for students to develop a plan and purpose for their high school education, each student is required to identify a Career Path. Listed below are the areas the student should consider. The specific curriculum for each area is on the next page.

### COLLEGE PREPARATORY

A college prep curriculum is recommended for those students who plan to attend a two or four year college upon graduation from New Lexington High School. It should be academically challenging, both to prepare the student for advanced coursework in college and to help the student to develop effective study habits. In order to be accepted to any institution in any quarter, students should follow the recommendations fully. College prep students need to earn a minimum of one (1) credit in visual or performing arts. Check with the counselor for the exact courses that meet this requirement.

### VARIANTS OF THE COLLEGE PREPARATORY PATHWAY

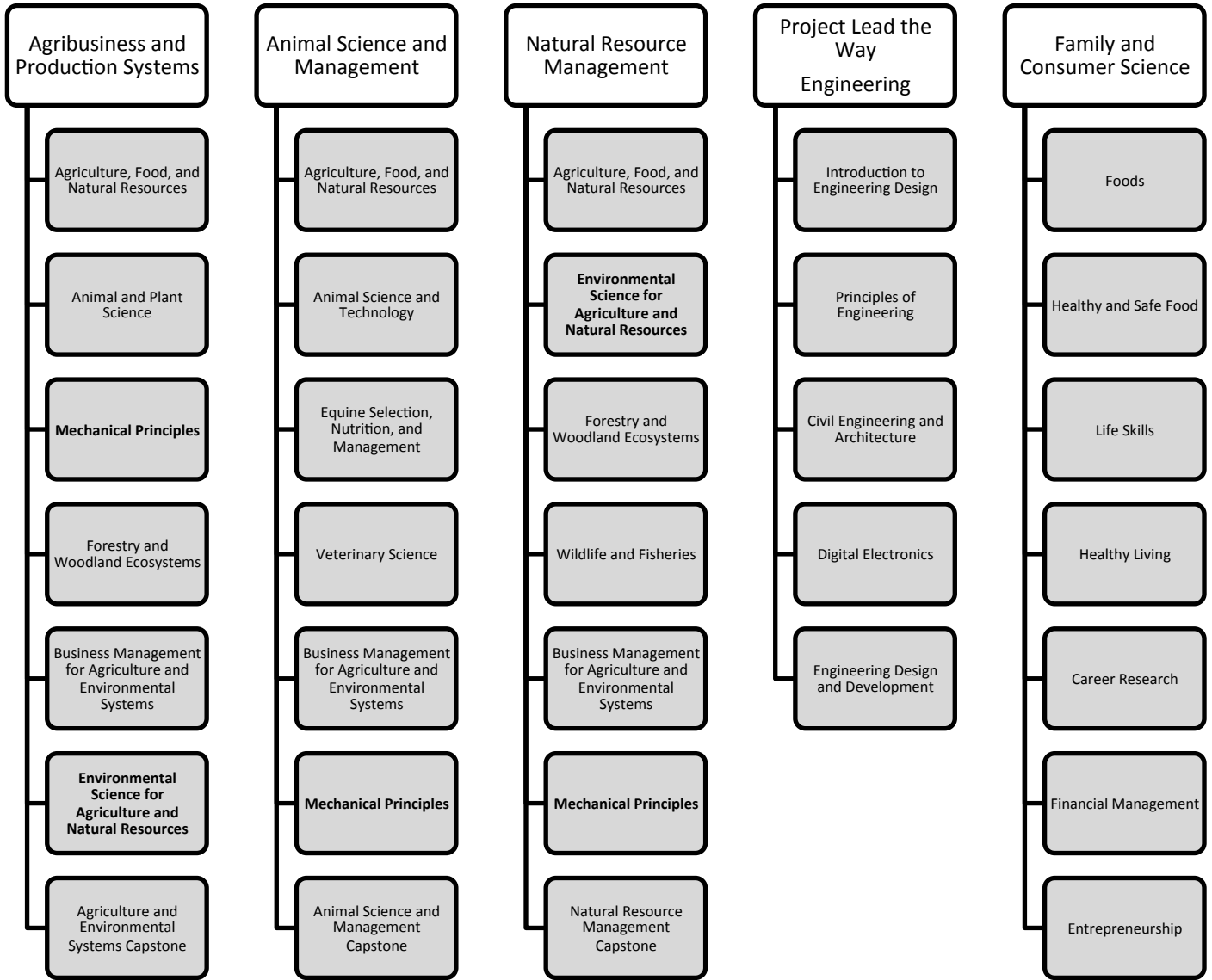
These pathways represent optional pathways to prepare for college programs in these career clusters. They are not rigid guidelines toward graduation, nor is any pathway exclusively limited to the courses listed under each content area. *Please note that all students on a college preparatory pathway are encouraged to take at least two years of modern languages, and preferably three years total. Courses in bold are College Credit Plus advanced standing courses.*



**VOCATIONAL / PRE-VOCATIONAL**

A vocational curriculum is recommended for those students who intend to acquire skills in high school that will enable them to enter the work force directly upon high school graduation. Students may choose a vocational major from several programs offered at Tri-County Career Center or New Lexington High School.

The following vocational pathways are available at New Lexington High School. These are proposed pathways, and are elective courses that must be taken in addition to your general graduation pathway. Not all courses in a given pathway are required, but typically, at least four must be taken in a given program.



## GRADUATION PATHS - CURRICULUM GUIDELINES

Twenty-one (21) credits are required for graduation, but this is only a minimum. Students are encouraged to go beyond this number when possible. Students should attempt to balance their schedules over the four-year period in order to allow themselves to perform at their maximum level.

### **COLLEGE PREPARATORY<sup>1</sup>**

English CP	4 credits
Science CP	3 credits
Social Studies CP	4 credits
Modern Language <sup>2</sup>	3 credits <sup>3</sup>
Mathematics CP	4 credits
Health & Phys. Ed.	1 credit
Fine Arts	1 credit
Information Technology	.5 credit
Electives	<u>.5 credit</u>
	<b>21 credits</b>

### **VOCATIONAL (NLHS)**

English	4 credits
Science	3 credits
Social Studies	4 credits
Mathematics	4 credits
Health & Phys. Ed.	1 credit
Fine Arts	.5 credit
Electives	.5 credit
<b>Vocational</b>	<b><u>4 credits</u></b>
	<b>21 credits</b>

### **PRE-VOCATIONAL (TRI-COUNTY – GRADES 9-10)**

English	2 credits
Science	2 credits
Social Studies*	3 credits
Mathematics	2 credits
Health & Phys. Ed.	1 credit
Information Technology	0.5 credit
Electives	<u>0.5 credit</u>
	<b>11 credits</b>

\*Student attending TCCC must take Economics and Financial Literacy as sophomores or through A+ before graduation.

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<sup>1</sup> Students should review Honors Diploma, Top Ten, and Valedictorian/Salutatorian information when selecting courses.

<sup>2</sup> Students should review Honors Diploma information concerning modern languages.

<sup>3</sup> Competitive universities suggest that students have 3 credits of a modern language. Neither the State of Ohio nor New Lexington City Schools have a modern language requirement for graduation.

## D. Long Term Planning

This is a typical 4-year schedule to fulfill graduation requirements and prepare for: **work, apprenticeship, military, and technical or 2-year college.**

### 9<sup>th</sup> Grade

English	1.00 credit
Math	1.00 credit
Science	1.00 credit
Social Studies	1.00 credit
Health	0.50 credit
Phys. Ed.	0.25 credit
Electives	2.00 credit

### 10<sup>th</sup> Grade

English	1.00 credit
Math	1.00 credit
Science	1.00 credit
Social Studies	1.00 credit
Phys. Ed.	0.25 credit
Electives	2.50 credit

### 11<sup>th</sup> Grade

English	1.00 credit
Math	1.00 credit
Science	1.00 credit
Social Studies	1.00 credit
Electives	3.00 credit

### 12<sup>th</sup> Grade

English	1.00 credit
Math	1.00 credit
Economics	0.50 credit
Social Studies Elective	0.50 credit
Electives	4.00 credit

- Electives must include (at sometime in the 4 years) 1 Full credit or two 1/2 credits from one or more of the following areas: Technology, Fine Arts, Modern Language, WECEP and CBI.
- Health and physical education (P.E.) are required for graduation. It is recommended that you take these during your 9<sup>th</sup> & 10<sup>th</sup> grade year, however you are not required to do so. Information Technology is recommended for all students.
- Please refer to content area flow charts for specific course selection.

This is a typical 4 - year schedule following a **College Prep Curriculum:**

### 9<sup>th</sup> Grade

English CP/Honors	1.00 credit
Math CP/Honors	1.00 credit
Science CP	1.00 credit
Social Studies CP	1.00 credit
Health	0.50 credit
Phys. Ed.	0.25 credit
Electives (Incl. Info Tech)	2.00 credit

### 10<sup>th</sup> Grade

English CP/Honors	1.00 credit
Math CP/Honors	1.00 credit
Science CP/Honors	1.00 credit
Social Studies CP	1.00 credit
Phys. Ed.	0.25 credit
Electives (Incl. Modern Lang.)	2.50 credit

### 11<sup>th</sup> Grade

English CP/AP	1.00 credit
Math CP	1.00 credit
Science CP/AP	1.00 credit
Social Studies CP/AP	1.00 credit
Electives (Inc. Modern Lang.)	3.00 credit

### 12<sup>th</sup> Grade

English CP/AP	1.00 credit
Math CP/AP	1.00 credit
Science CP/AP	1.00 credit
Social Studies Elective/AP	0.50-1.00 credit
Economics	0.50 credit
Electives (Incl. Fine Arts)	2.50 credit

- Three years of Modern Languages is encouraged, but not required for graduation.
- Visual/Performing Arts can be taken in any year, but is required to graduate.
- Health and physical education (P.E.) are required for graduation. It is recommended that you take these during your 9<sup>th</sup> & 10<sup>th</sup> grade year, however you are not required to do so. Information Technology is recommended for all students.

**Please refer to content area flow charts for specific course selection.**

## **E. Grade Assignment**

Students will be assigned to their appropriate grade at the beginning of each school year based on the following:

To be assigned to	Grade 10 a student must have earned	5 1/2 credits
	Grade 11 a student must have earned	11 credits
	Grade 12 a student must have earned	16 1/2 credits

Grade assignments will be made at the beginning of each school year and will be based on the credits earned at that time. Assignments will be changed at semester for those students earning enough credits.

## **F. Tri County Career Center**

Students have the option of attending Tri-County Career Center (TCCC) throughout the junior and senior years. Students remain NLHS students but are simply attending Tri-County Career Center.

At Tri-County, students are involved in intensive training in a selected program. Upon graduation, students enter the skilled workforce, continue their education if desired, or enlist in the military. All junior and senior academic courses that are required for graduation from NLHS are offered at TCCC. The diploma the student receives comes from NLHS. To be accepted to TCCC, students must have a total of 9.5 credits at the end of their sophomore year. These credits should include 2 English, 2 Math, 2 Science, 2 Social Studies, 0.5 Physical Education, 0.5 Information Technology and 0.5 Health. In addition, students must take Economics and Financial Literacy as well as 0.5 credits in Social Studies electives their sophomore year or through A+ before graduation. Students lacking academic credit will have to make up work to complete the requirements which might involve summer school, after school, on-line course work, correspondence, etc.

### TCCC Programs of Study

Auto Body Technology  
Auto Service Technology  
Building and Property Trades  
Construction Trades  
Cosmetology  
Criminal Justice and Law Enforcement  
Culinary Arts  
Diesel/Ag Technology  
Early Childhood Education  
Electrical Trades  
Fashion and Marketing  
Hospitality Services  
Medical Professions  
Nursing Technology  
Office Professional  
Power Line Technology  
Sports Medicine

## **G. College Credit Plus (Formerly Post-Secondary Enrollment Option/Dual Enrollment)**

New Lexington High School offers programs in which students can earn college credits while still in high school. Prior to March 1st of each year, all students enrolled at NLHS will be notified of these programs. The high school must be notified in writing of the student's intent to participate in any program by April 1st with many college application deadlines for the program May 1st. Any interested student should make an appointment to talk with a guidance counselor. Students who plan to participate in any of these programs will be notified of an informational meeting explaining these programs as well as potential requirements to earn placement into these programs.

House Bill 487 has established the Advanced Standing Program to give qualified students the opportunity to enroll concurrently in college courses while still in high school. Students may enroll in college for high school and/or college credit if the following conditions are met:

1. The student is enrolled in high school.
2. The student has applied for and been accepted by an approved college, having scored high enough on college placement tests (if required by the college).
3. The student has registered for courses using procedures established by New Lexington City Schools and the college.

Students may choose at the time of enrollment to receive both high school and college credit. Colleges and universities enrolling students will be reimbursed each July as determined by an established formula for tuition, fees, textbooks, and materials.

NLHS will seek reimbursement from a student or a student's parent for failed courses under this program, unless the student is identified as economically disadvantaged by the school and was not expelled. This include students who receive a failing grade due to the "class-drop" process of non-attendance. Students taking CCP courses will be graded on an equivalent scale as Advanced Placement Courses (5.0 GPA scale). NLMS students (grades 7-8) are eligible for the CCP program and should talk to the NLMS guidance counselor for further information.

### **WHAT'S CHANGING IN OHIO EDUCATION**

College Credit Plus Beginning in the 2015- 2016 school year, College Credit Plus will be Ohio's dual enrollment program.

#### **What is it?**

Eligible students can take a course and earn high school and college credit that appears on both their high school and college transcripts. Teachers who teach a College Credit Plus course in a high school must receive professional development and be an adjunct professor at a college or university. All courses offered through College Credit Plus—even courses offered in the high school—must be the same course that the college offers. The course must apply to a degree or professional certificate. College Credit Plus replaces the Post Secondary Education Option, also known as PSEO, and redefines "alternative dual enrollment" programs as advanced standing programs.

#### **Why?**

Ohio needs more students who graduate college- and career- ready. College Credit Plus increases access for students who have not taken full advantage of the opportunity to earn college credits while in high school.

#### **Where?**

The student is enrolled in both high school and college and can attend the class in any setting arranged by the college.

#### **Who?**

Ohio public school districts and Ohio public colleges and universities must participate in College Credit Plus. Nonpublic high schools and colleges or universities may choose to participate. To be eligible, students must meet the admission standards of the participating college or university to which they apply for enrollment.

#### **When?**

College Credit Plus began with the 2015- 2016 school year.

**How does a student get started?**

All participating public and private high schools, colleges and universities must promote College Credit Plus opportunities on their websites. Additionally, they will hold an annual informational event for students and parents.

**Cost:**

There is no cost for the student to participate in College Credit Plus when the student is enrolled in a public college or university. The high school and college (or university) share the cost for the course. Students choosing to enroll in a participating private college or university might incur costs.

**Current College Credit Plus Offerings**

Students enrolled at New Lexington High School can take a variety of College Credit Plus advanced standing courses in one of several formats: either on-site at New Lexington High School, on-site at a nearby college or university, or online through a college or university.

Current offerings on-site at New Lexington High School:

- AP English Language and Composition (English Composition I)
- AP English Literature and Composition (World Literature)
- AP Biology (Biology)
- Anatomy and Physiology (Anatomy and Physiology)
- AP Government and Politics (American Government)
- AP Psychology (General Psychology)
- American Sign Language II (American Sign Language)
- American Sign Language III (American Sign Language)
- Advanced Art Design (Art Design)
- Environmental Science for Agriculture and Natural Resources (Environmental Science)
- Mechanical Principles (Welding)

Current offerings available at the University of Toledo (online) – application deadline is July 15, 2016:

- English Composition I
- College Algebra
- Statistics
- Survey of Biology
- Chemistry and Society
- Survey of Astronomy
- Sociology I
- Social Problems
- Cultural Anthropology
- American National Government
- World Regional Geography
- Art in History
- Introduction to Film
- Introduction to Theater

Students can also enroll in courses at local universities or colleges, or for other online programs. Typically, the deadline for application for these programs is May 1, 2016. If you are interested in attending coursework at a college or university, or completing online college or university coursework, please speak to a guidance counselor as soon as possible.



## H. Eligibility for All Extracurricular Activities

All students who participate in interscholastic athletics at any time must not be in violation of criminal law and/or delinquent activity. All violations are cumulative while a student is enrolled at New Lexington Middle School or New Lexington High School. If the violation occurs during the 8<sup>th</sup> grade year and the consequence is not fulfilled, it will be completed in the student's freshman year. Once a student enters the 9<sup>th</sup> grade he or she will start with the first violation of all infractions.

For all other groups, the specific rules of eligibility are determined by the advisor and the principal. In general, the same rules are to apply to all groups and organizations. Advisors and coaches may establish additional rules. These are to be distributed to the participants prior to of the implementation of the rule(s).

The eligibility of students to participate in all extracurricular activities is set for all organizations. The major rules are:

1. To be eligible for participation in interscholastic contests a student shall be enrolled in a school by the first calendar day of the grading period (quarter, trimester, semester). Enrollment shall be continuous after a student has officially enrolled in a school until the student is officially withdrawn.
2. After a student completes the eighth grade, the student shall be eligible for a period, not to exceed eight semesters taken in order of attendance, whether the student participates or not.
3. A student shall become eligible for high school athletics when the student celebrates his or her fifteenth birthday before August 1, or when the student attains ninth grade standing.
4. In order to be eligible in grades 9-12, a student must be currently enrolled and must have been enrolled in school the immediately preceding grading period. During the preceding grading period, the student must have received passing grades in a minimum of five one-credit courses or the equivalent, which count toward graduation and have had a 1.0 GPA or better during that period.
5. A student enrolled in the first grading period after advancement from the eighth grade must have passed 75% of those subjects carried the preceding grading period in which the student was enrolled.
6. Summer school grades earned may not be used to substitute for failing grades from the last grading period of the regular school year.
7. A student must be in attendance the last one-half day of school to participate that evening and one-half day on Friday to participate in a Saturday event.

## I. NCAA Freshmen – Eligibility Standards

### Students Interested in NCAA Division I or Division II Athletics

Please consider the following timeline of activities if you are interested in participating in NCAA Division I or Division II collegiate athletics:

#### Grade 9

Ask your counselor for a list of NLHS's NCAA core courses to make sure you take the right classes.

#### Grade 10

Register with the NCAA Eligibility Center at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

#### Grade 11

Check with your counselor to make sure you will graduate on time with the required number of NCAA core courses. Take the ACT or SAT and submit your scores to the NCAA using code 9999. At the end of the year, ask your counselor to upload your official transcript to the NCAA Eligibility Center.

#### Grade 12

Finish your last NCAA core courses. Take the ACT or SAT again, if necessary, and submit your scores to the NCAA using code 9999. Complete all academic and amateurism questions in your NCAA Eligibility Center account at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). After you graduate, ask your counselor to submit your final official transcript with proof of graduation to the NCAA Eligibility Center.

## NCAA Academic Eligibility Standards

### Division I

- Complete 16 core courses
  - 4 years of English
  - 3 years of Math (Algebra 1 or higher)
  - 2 years of Science (Natural/Physical)
  - 1 additional year of English, Math, or Science
  - 2 years of Social Science
  - 4 additional years of English, Math, Science, Social Science, Foreign Language, Comparative Religion, or Philosophy
- Earn at least a 2.3 GPA in your core courses
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale. (Anything below 2.3 GPA on the sliding scale qualifies as Academic Redshirt only.)

<b>DIVISION I</b>		
<b>FULL QUALIFER SLIDING SCALE</b>		
Use beginning August 1, 2016		
Core GPA	SAT Reading/Math	ACT Sum
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75

## Division II

- Complete 16 core courses
  - 3 years of English
  - 2 years of Math (Algebra 1 or higher)
  - 2 years of Science (Natural/Physical)
  - 3 additional year of English, Math, or Science
  - 2 years of Social Science
  - 4 additional years of English, Math, Science, Social Science, Foreign Language, Comparative Religion, or Philosophy
- Earn at least a 2.0 GPA in your core courses
- Earn an SAT combined score of 820 or an ACT sum score of 68.

## Beginning August 1, 2018

- Complete 16 core courses
  - 3 years of English
  - 2 years of Math (Algebra 1 or higher)
  - 2 years of Science (Natural/Physical)
  - 3 additional year of English, Math, or Science
  - 2 years of Social Science
  - 4 additional years of English, Math, Science, Social Science, Foreign Language, Comparative Religion, or Philosophy
- Earn at least a 2.2 GPA in your core courses
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division II sliding scale.

DIVISION II		
FULL QUALIFIER SLIDING SCALE		
Use beginning August 1, 2018		
Core GPA	SAT Reading/Math	ACT Sum
3.300 & Above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & Above	70 & Above

## J. Credit Recovery

At the end of the school year, grades will be reviewed and students that did not pass English, Math, Science, Social Studies or Health courses will typically be scheduled to retake the given course. In exceptional cases, students may be assigned online credit recovery. This period will be used for students to complete our on-line curriculum in the class they did not pass. Students are required to work on the classes they have been assigned during the scheduled period. Students are not permitted to use this time as a study hall. This lab time for credit recovery is a great option for students that need to redeem credit. It allows them the opportunity to learn the content through an alternative means. This curriculum aligns with Ohio's content standards and is interactive and engaging. Students that are taking a class through the on-line learning lab are expected to take full advantage of this opportunity. Failure to complete required online courses may result in the student being placed in the course in which they received a failing grade.

## K. Credit Flexibility Option

Credit Flexibility awards credit based on competence. Research confirms that varying time and instructional methodology, while maintaining quality, can cultivate the kind of self-directed learning that is essential for success in postsecondary education and careers – and throughout life. The NLHS credit flexibility plan is designed to focus on supporting and accelerating student learning and reflects the need for students' readiness for careers and college without remediation.

NLHS currently has three Credit Flexibility Options:

### 1. Pre-Approved On-Line Coursework + Summative Assessment (Exam/Capstone)

Students who elect one of the pre-approved options will not need to submit a proposal but will need to notify a school counselor so that a Credit Flexibility Option Credit Contract meeting can be set up. Pre-approved credit flexibility courses are A+ Anywhere Learning System courses. Students who elect to take Anywhere Learning System (A+) courses in lieu of regular courses may be required to complete a summative assessment consisting of a capstone project or course exam. All course fees are applicable as indicated in the course offerings book.

### 2. Test-Out/Test-Out With Project Options

All courses in the NLHS course offerings book can be considered for the "test-out" option and/or courses requiring a test(s) and other project(s). See the pre-approved course list. Course fees are applicable as indicated in the course handbook.

### 3. Student Proposals

Students who elect a course that is not pre-approved will need to submit a course proposal in writing to the building principal. The proposal must include:

- 1) Clearly defined goals that are tied directly to Ohio's New Learning Standards, as well as clearly described activities that will lead to successful attainment of the defined goals. Ohio's New Learning Standards are located on the Ohio Department of Education's webpage at <https://education.ohio.gov/Topics/Ohios-Learning-Standards/Ohios-Learning-Standards>
- 2) A description and rubric for how the goals will be measured against Ohio's New Learning Standards in order to provide evidence of student learning.
- 3) A timeline of proposed activities and measurements, including a target date and time for final review.

To learn more about eligibility requirements and credit flexibility options, please contact the guidance department.

## Section 3: State of Ohio Requirements

### A. New High School Graduation Requirements (Beginning with the Class of 2018)

House Bill 487 updated Ohio's graduation requirements to ensure that all students are ready for success in college and work. As a result, the Class of 2017 (11<sup>th</sup> graders in the 2015-16 school year) are the last students to take the current Ohio Graduation Tests. The new requirements take effect with the class of 2018 (10<sup>th</sup> graders in Fall 2015). Additionally, every student will have the opportunity to take a nationally-recognized college admission exam free of charge in the 11<sup>th</sup> grade. The honors diploma remains another option for students.

The credit requirements for graduation remain unchanged from previous years. However, beginning with the class of 2018, students will be required to earn graduation points through taking end-of-course exams in the following subject areas:

- English I and English II
- Algebra I and Geometry (or Integrated Math I and II)
- Physical Science (Biology for the Class of 2019 and above)
- American History and American Government

Student can earn a score of 1 (limited) to 5 (accelerated) on each of these exams. In order to meet graduation requirements, students must earn a total of 18 combined graduation points on the seven exams. Additionally, students must earn at least four combined points on the English exams, four combined points on the mathematics exams, and six combined points on the science and social studies exams.

Students who take physical science, biology, American history, or American government as part of Advanced Placement or college dual credit programs can use their scores from the programs' end-of-course exams in place of the state end-of-course exam scores to accumulate graduation points.

A student who earned high school credit in any of the above courses before July 1, 2014 will automatically receive a score of three points per course exam toward the total points needed for graduation. Middle school students this year who take one of these courses for high school credit must take the corresponding state end-of-course exam in this school year.

### B. Alternative provisions for graduation

The provision in state law originally enacted as part of Senate Bill 55 in 2001 is still effective. Since this provision includes a student's high school attendance rate, it is important to share this information with your freshmen students. According to Ohio Revised Code Section 3313.615 (A), students may graduate and receive a diploma without passing all five tests of the OGT if they meet the following requirements:

- Pass four of the five tests and have missed passing the fifth test by no more than 10 points.
- Have had a 97% attendance rate through all four years of high school and must not have had an expulsion in high school.
- Have a grade point average of 2.5 out of 4.0 in the subject area missed and have completed the curriculum requirement in the subject area missed.
- Have participated in any intervention programs offered by the school and must have had a 97% attendance rate in any program offered outside the normal school day.
- Obtain letters of recommendation from each teacher in the subject area not yet passed as well as the high school principal.

Students also now have the option to waive a passing score on the Ohio Graduation Test by receiving a passing score on Ohio's State Tests (mentioned above) or a remediation free score on a college entrance exam, such as the ACT. For more information on this alternative to the Ohio Graduation Test, please see your guidance counselor.

### C. Advanced Work Prior to 9<sup>th</sup> Grade

New Lexington Board of Education policy states that a high school must count such advanced work toward the graduation requirements if it was both: 1) taught by a person who possesses an Ohio educator's license or teaching certificate that is valid for teaching high school; and 2) designated by the district board of education as meeting the high school curriculum requirements. Presently, students can earn credits for Algebra I CP, Art, Choir, and Physical Education during their 8<sup>th</sup> grade year.

## D. Diploma with Honors

Students must meet 7 of the 8 requirements to earn a Diploma with Honors.

Subject	High School Academic Diploma with Honors	Career-Technical Diploma with Honors
<b>English</b>	4 units	4 units
<b>Mathematics</b>	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
<b>Science</b>	4 units, including physics and chemistry	4 units, including physics and chemistry
<b>Social Studies</b>	4 units	4 units
<b>Modern Language</b>	3 units, including at least 2 units in each language studied	Not counted toward requirements
<b>Fine Arts</b>	1 unit	Not counted toward requirements
<b>Career-Technical</b>	Not counted toward requirements, and may not be used to meet requirements	Now counted in Electives
<b>Electives</b>	Not counted toward requirements	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit.
<b>Grade Point Average</b>	3.5 on a 4.0 scale	3.5 on a 4.0 scale
<b>ACT/SAT Score [excluding scores from the writing sections]*</b>	27 ACT / 1210 SAT	27 ACT / 1210 SAT
<b>Additional Assessment</b>	Not applicable	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

\*Writing sections of either standardized test should not be included in the calculation of this score.

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:

½ unit physical education\*\*

½ unit health

½ unit in American history

½ unit in American government

Instruction in economics and financial literacy

## E. Ohio Core Curriculum Requirements

Starting July 1, 2010, students who enter ninth grade will need to complete 21 units to graduate from high school including:

4.0 credits	English Language Arts
0.5 credits	Health
4.0 credits	Mathematics (including one unit of Algebra II or its equivalent)
0.5 credit	Physical Education
3.0 credits	Science (including inquiry-based laboratory experience in the subject areas listed below) Physical Science – 1 credit Life Sciences – 1 credit Advanced Science – 1 credit (Chemistry, physics, or other physical science), (Advanced biology or other life science) or (Astronomy, physical geology, or other earth or space science)
3.0 credits	Social Studies (including the subject areas listed below): American History - 0.5 credit American Government - 0.5 credit Economics and Financial Literacy - 0.5 credit
5.0 credits	Any combination of modern language, fines arts, business, career-technical education, family and consumer sciences, technology and agriculture

## Section 4: NLHS Academic Honors

### A. National Honor Society

1. Selection date - November-December of each year.
2. Grade point average 3.3 as a minimum for candidacy.
3. Students must have passed all parts of the Ohio Graduation Test.
4. Students will be requested to complete a N.H.S. membership information packet that is to be returned by a specified date.
5. A faculty committee (at least five teachers as determined by the principal) will review the information packet. The committee and staff will be responsible for the selection.
6. Service and leadership are also selection criterion for NHS. Students are evaluated on their participation in co-curricular activities, leadership positions, community activities, recognition and awards they have earned, and work experience. Students are also required to have 3 teacher evaluations for the application packet.

Courses necessary for NHS consideration (must have completed prior to eligibility): 2 CP English courses, 2 modern language courses, 2 CP science courses, and 2 CP math courses (one must be geometry). Courses are subject to change by vote of faculty.

### B. Top Ten and Valedictorian/Salutatorian

In order to be considered for Top Ten recognition, a student must meet the qualifications outlined under valedictorian and salutatorian. A class valedictorian and salutatorian will be chosen, and rewarded for their academic excellence. Selection will occur after the 3<sup>rd</sup> quarter of the senior year. The following guidelines will be used to determine the valedictorian and salutatorian of the graduating class:

Definitions:

- A. Valedictorian: The graduating senior having the highest grade point average, based upon a 4.0 grading scale.
- B. Salutatorian: The graduating senior having the second highest grade point average, based upon a 4.0 grading scale. (In case of equal GPA's, co-valedictorians and/or co-salutatorians will be named.
- C. Senior: A member of the graduating class must have obtained a minimum of sixteen and one-half (16 1/2) credits prior to the beginning of his or her senior school year.

Qualifications:

- A. To be considered as valedictorian/salutatorian, a student must be enrolled as a student at New Lexington High School by the first school day of his/her senior year.
- B. A student must take at least thirteen (13) credits from the following course list; ten (10) credits **must** be selected in this manner:

Two (2) credits - College Prep English  
Two (2) credits - Same Modern Language  
Two (2) credits - College Prep Social Studies  
Two (2) credits - College Prep Math  
Two (2) credits - College Prep Science

Courses with credits necessary for Valedictorian/Salutatorian consideration (thirteen (13) minimum credits):

CP/Honors English I	1	AP Biology	1	Geometry CP/Honors	1
CP/Honors English II	1	Information Tech	1/2	Pre-Calculus	1
CP English Electives	2	Intro. to Eng. & Des	1	AP Calculus	1
Spanish/ASL I	1	Civil Eng. & Arc	1	Performing Art	1
Spanish/ASL II	1	Engineering Design	1	AP English Language	1
Spanish/ASL III	1	Digital Electronics	1	AP English Literature	1
Spanish IV	1	Modern World History CP	1	AP Psychology	1
Physical Science CP	1	American History CP	1	AP US History	1
Biology CP	1	American Government CP	1	Economics and Financial Literacy	1/2
Chemistry CP (2018+)	1	AP US Government	1	Semester Social Studies course	1/2
Physics	1	Algebra I CP/Honors	1	Principles of Engineering	1
Anatomy & Physiology	1	Algebra II CP	1	AP Computer Science Principles	1



# Section 5: Course Information

## Course ID Numbers

*(CCP) indicates a College Credit Plus advanced studies (dual enrollment) course.*

### English Language Arts

1003 English I  
1013 English I CP  
1023 English II  
1033 English II CP  
1043 English III  
1053 English III CP  
1083 English Intervention  
1134 English IV  
1144 English IV CP  
1293 Reading Intervention  
1343 English I Honors  
1363 English II Honors  
1530 Pre-AP English Lang. and Lit.  
1533 AP English Language (CCP)  
1547 College and Career Readiness  
1583 AP English Literature (CCP)  
1585 Great Teacher Films  
1587 Mythology  
1603 ASG English I  
1613 ASG English II  
1623 ASG English III  
1633 ASG English IV  
1703 SG English I  
1713 SG English II  
1723 SG English III  
1733 SG English IV

### Modern Languages

9043 Spanish I  
9053 Spanish II  
9063 Spanish III  
9073 Spanish IV  
9313 ASL II (CCP)  
9323 ASL III (CCP)

### Humanities and

#### Visual/Performing Arts

1323 Acting  
1333 Technical Theater  
1335 History of Visual Media  
5003 Art I  
5013 Art II  
5025 Art Independent Study  
5027 Advanced Art Design (CCP)  
5033 Ceramics I  
5035 Ceramics II  
5093 Chamber Singers  
5103 Concert Choir  
5113 Band  
5123 Marching Band  
5133 Lab Band 1  
5134 Lab Band 2  
5143 Music Theory  
5153 Jazz Band  
5163 History of Rock and Roll

### Mathematics

2003 Applied Algebra I  
2004 Transition to Alg II  
2005 Applied Algebra II  
2011 Algebra I Honors  
2013 Algebra I CP  
2023 Geometry CP  
2024 Honors Geometry  
2032 Transition to College Mathematics  
2034 Pre-Calculus  
2043 Trigonometry/Conics  
2053 AP Calculus  
2074 Algebra II CP  
2083 Applied Geometry  
2085 History of Mathematics  
2503 SG Applied Algebra I  
2504 SG Transition to Alg II  
2505 SG App. Algebra II  
2513 SG App. Geometry  
2603 ASG App. Algebra I  
2604 ASG Transition to Alg II  
2613 ASG App. Geometry  
2634 ASG App. Algebra II

### Physical Education

6003 Health  
6013 Physical Education  
6053 WS Health  
6063 Physical Development

### Science

3033 Biology CP  
3052 Chemistry  
3053 Chemistry CP  
3073 Physics  
3645 SG Biology  
3113 Physical Science  
3123 Physical Science CP  
3133 Biology  
3143 Science Intervention  
3153 Honors Biology  
3163 AP Biology (CCP)  
3203 Anatomy & Physiology (CCP)  
3205 Medical Terminology  
3215 Paleobiology  
3225 Physical Geology  
3633 ASG Physical Science  
3643 ASG Biology  
3652 ASG Environmental Science

### Social Studies

4013 Modern World History CP  
4033 American History CP  
4033R Soc. Studies Intervention  
4053 American Government CP  
4057 AP US Government (CCP)  
4063 AP US History  
4103 Contemporary World Issues  
4107 World Geography  
4117 History Through Film  
4127 U.S. History – 1980's  
4137 History and Popular Culture  
4205 SG American Government  
4632 ASG Modern World History  
4634 ASG American Government  
4642 ASG American History  
7163 Economics and Financial Literacy  
9143 AP Psychology (CCP)  
9163 Sociology

### Business/Technology

8003 Intro to Accounting  
8033 Information Technology  
8073 AP Computer Science Principles  
8133 Digital Electronics  
8153 Intro to Eng. Design  
8163 Principles of Engineering  
8173 Civil Eng. & Arch.  
8193 Engineering Design  
8253 School Publications  
8303 Intro to Business  
8313 Intro to Marketing

### Vocational

#### Agriculture, Food, and Natural Resources

6963 Veterinary Science  
6993 Equine Selection, Nutrition, and Management  
7083 Agriculture Business Work  
7094 Environmental Science for Agriculture and Natural Resources (CCP)  
7803 Mechanical Principles (CCP)  
7823 Animal and Plant Science  
7843 Forestry and Woodland Ecosystems  
7863 Wildlife and Fisheries  
7903 Agriculture, Food and Natural Resources  
7913 Animal Science and Technology  
7933 Business Management for Agriculture and Environmental Systems  
7943 Livestock Selection, Nutrition, and Management  
7953 Agricultural and Environmental Systems Capstone  
7954 Animal Science and Technology Capstone  
7955 Natural Resource Management Capstone

#### Family and Consumer Sciences

7143 Clothing  
7153 Foods  
7173 Life Skills  
7183 Career Research  
7193 Healthy and Safe Food  
7203 Financial Management  
7213 Healthy Living  
7223 Child Development  
8353 Entrepreneurship

#### Work Programs

7303\* WECEP  
7313\* WECEP Job  
7733\*\* ASG Voc Work Adjustment  
Early Release

\*Both classroom and job components must be taken at the same time.

\*\*Student must be on an IEP to enroll for these courses.

# ENGLISH LANGUAGE ARTS

## Pathways

### General English Language Arts Courses:

English I, English II, English III, English IV

### College Preparatory English Language Arts Courses:

English I CP, English II CP, English III CP, English IV CP

### Honors English Language Arts Courses:

English I Honors, English II Honors, Pre-AP English, AP English Literature, AP English Language

## Course Descriptions

### **English I - 1003**

State Course #: 050160

Prerequisites: None

Required Option

Grade: 9

Graded Conventionally

Credit: 1

Fee: Supplemental materials

The course will focus on basic competencies in reading and writing. Students will use the writing process with special emphasis on proofreading. Literature study may include short stories, a novel of merit, and excerpts from a Shakespearean play. The students will employ higher level thinking skills to read and understand a variety of non-fiction from sources such as newspapers as well as literature textbooks. Five Paragraph Essays will be required and vocabulary will be explored. Students may be required to purchase a literary magazine, workbook, or novel. Oral presentations will be required.

### **English I CP - 1013**

State Course #: 050160

Prerequisites: None

Required Option

Grade: 9

Graded Conventionally

Credit: 1

Fee: Supplemental materials

One focus in this course will be on improving writing skills. Students will write a variety of essays and use proofreading and editing skills to modify and improve them. The focus in literature may include a novel of merit, a Shakespearean play, and various short stories. Students will employ higher level thinking skills to read and understand a variety of non-fiction. Special projects will be required. Students may be asked to purchase a literary magazine, workbook, or novel. Oral presentations will be required.

### **English I Honors - 1343**

State Course #: 050160

Prerequisites: Placement Test

Required Option

Grade: 9

Graded Conventionally

Credit: 1

Fee: Supplemental materials

This course is an intensive English I course with added emphasis on the study of literary topics. Geared toward the highly motivated student, the course includes a greater number of reading and writing projects highlighted by the necessity to construct more advanced essays. Summer reading will be required along with an assignment due on the first day of school.

**SG English I - 1703**

State Course #: 050160

Prerequisites: None

Required Option

Grade: 9

Graded Conventionally

Credit: 1

Fee: None

This course will focus on basic competencies in reading and writing. Students will use the writing process and MUGS skills (Mechanics, Usage, Grammar, and Spelling). Literature study may include short stories and/or a novel. Students will employ higher level thinking skills to read and understand a variety of non-fiction from such sources as newspapers, as well as literature books. Book reports may be required and vocabulary will be explored.

**ASG English I - 1603**

State Course #: 050160

Prerequisites: None

Required Option

Grade: 9

Graded Conventionally

Credit: 1

Fee: None

Students will develop basic competencies in reading and writing. Students will use the writing process to develop paragraphs. Literature study may include recipes, newspapers, New 2 You, reading instructions, community based words, and reading selections to improve comprehension. Vocabulary will be studied in the context of reading selections.

**English II - 1023**

State Course #: 050170

Prerequisites: Passing grade in English I

Required Option

Grade: 10

Graded Conventionally

Credit: 1

Fee: Supplemental materials

Using the writing process, students will explore expository, persuasive, and narrative writing. Several compositions will be written. Multidisciplinary resources will be used in writing projects. A variety of short reading selections - contemporary, classical stories, essays, plays, poems & world literature - will be analyzed and discussed in written and oral form. The purchase of a literary magazine may be required. Students will be required to do oral presentations. Vocabulary will be studied in the context of reading selections, and the purchase of a vocabulary book may be required. Students will also be required to deliver speeches. Students will be required to purchase a novel.

**English II CP - 1033**

State Course #: 050170

Prerequisites: Passing grade in English I or English I CP

Required Option

Grade: 10

Graded Conventionally

Credit: 1

Fee: Supplemental materials

Students will compose autobiographical, expository, persuasive, descriptive, and narrative writings. An emphasis will be placed on essay writing. Each student's diction level will be enhanced through vocabulary study. Students will read and study classical and contemporary novels, short stories, essays, poems, plays & world literature. Students will be required to purchase a paperback novel and/or literary magazine. Students will be required to do oral presentations based on compositions. Students will also be required to deliver persuasive and demonstrative speeches.









**Great Teacher Films - 1585**

State Course #: 059999

Prerequisites: None

English Elective

Grade: 10-12

Graded Conventionally

Credit: 0.5

Fee: None

Through the use of full-length and segmented films (all based on education and the practice of teaching), students will analyze the various methods used by the subject. Students will also conduct interviews of teaching staff, present constructed lessons, and design projects centered on the field of education. Students will design their own ideal classrooms and create their philosophy of education.

**Mythology - 1587**

State Course #: 059999

Prerequisites: None

English Elective

Grade: 11-12

Graded Conventionally

Credit: 0.5

Fee: None

Students will study Greek and Roman myths and reference European mythology within the framework of Joseph Campbell's *The Hero's Journey* and his theories of mythology. Some possible myths to be studied may include: The Odyssey, Hercules, Buddha, Gilgamesh, various Celtic myths, and various creation myths.



## MODERN LANGUAGES

There are several items a student should keep in mind when scheduling a modern language. Most colleges require two years of the same modern language for unconditional admittance. More demanding colleges require three years of the same language for admittance. Almost every college will give a placement test to determine where you will enter the modern language program. Please realize that many colleges and many degrees/fields of study require that you take a modern language.

### **Spanish I - 9043**

*State Course #: 060265*

*Prerequisites: None*

*Elective*

*Grade: 9*

*Graded Conventionally*

*Credit: 1*

*Fee: None*

This is a beginning course in the Spanish language and Hispanic culture. Students will be introduced to the language and various regional cultures. They will exchange information in the target language through writing and speaking activities within the school setting. Understanding in other disciplines will be reinforced through the foreign language. Included are greetings, expressions of emotion and feelings, exchange of opinions, numbers and time, and basic sentence structure. A comprehensive study of present tense verbs and subject pronouns, direct object pronouns, indirect object pronouns, and use of reflexive verbs will be completed. The imperfect and preterit tenses will be introduced.

### **Spanish II - 9053**

*State Course #: 060265*

*Prerequisites: Passing grade in Spanish*

*Elective*

*Grade: 10-12*

*Graded Conventionally*

*Credit: 1*

*Fee: None*

This is a continuation of Spanish I. It is a further study and application of Spanish grammar through written composition and oral presentation. It includes the study of the preterit and imperfect tenses, future and conditional tenses, and the subjunctive mood. Also included will be a comprehensive study of the present perfect and present progressive. Students will demonstrate an understanding of their own cultures as compared to those studied and recognize distinctive viewpoints from both cultures.

### **Spanish III - 9063**

*State Course #: 060265*

*Prerequisites: Passing grade in Spanish II*

*Elective*

*Grade: 11-12*

*Graded Conventionally*

*Credit: 1*

*Fee: None*

Spanish III continues the study of grammar while building vocabulary through the introduction of literature. Students develop greater fluency through compositions, oral presentations and reading comprehension. There is also an in-depth study of Spanish speaking countries and their various cultures. Students will use the language within and beyond the school setting by providing instruction in the language to grades K-8, tutoring lower level Spanish students within the district, and cultural entertainment to those outside the school system. They will further understand and interpret the written and spoken language. Students will acquire additional information and recognize distinctive viewpoints through the modern language and its cultures. This class requires student planning and implementation of projects to demonstrate mastery of Ohio's Modern Language Standards.

**Spanish IV - 9073**

State Course #: 060265

Prerequisites: Passing grade in Spanish III

Elective

Grade: 12

Graded Conventionally

Credit: 1

Fee: None

This is an in-depth continuation of previous levels. Included in class will be a study of short stories, compositions and literature. Students are expected to develop greater fluency through the continued study of the language. Students will show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment. They will use the language within and beyond the school setting by providing instruction in the language to grades K-8 within the district and cultural entertainment to those outside the school system. Students will demonstrate an understanding of the nature of language and the concept of culture through comparisons of their own language to the Spanish language and Hispanic cultures. Students will demonstrate an understanding of products, practices, and perspectives of the cultures studied. This class requires student planning and implementation of projects to demonstrate mastery of Ohio's Modern Language Standards.

**ASL II (CCP) - 9313**

State Course #: 061050

TAG/OTM Course #: ASL 102 (Beginning American Sign Language II)

Prerequisites: Passing grade in ASL I

Elective

Grade: 10-12

Weighted Grading

Credit: 1

Fee: None

This is a continuation of ASL I. It is a further study and application of sign language. This course develops a deeper knowledge of ASL grammar and the Deaf culture. Students will demonstrate an understanding of their own cultures as compared to that studied and recognize distinctive viewpoints from both cultures. Students will provide cultural instruction and/or entertainment within and outside the school system. **NOTE: Students may have an opportunity to attend an event for observation of sign language in use outside of school hours and report back to the class in both written and/or signed forms. An alternative assignment will be given to student(s) not attending the event.**

**ASL III (CCP) - 9323**

State Course #: 061050

TAG/OTM Course #: ASL 111 (Intermediate American Sign Language I)

Prerequisites: Passing grade in ASL II

Elective

Grade: 11-12

Weighted Grading

Credit: 1

Fee: None

This is a continuation of ASL II. This course develops a deeper knowledge of ASL grammar and Deaf culture. Students will demonstrate an understanding of their own cultures as compared to that studied and recognize distinctive viewpoints from both cultures. Students will provide cultural instruction and/or entertainment within and outside the school system. Students will serve as Teaching Assistants for ASL II and/or tutoring/teaching of ASL I / II, elementary students, providing supervised teaching and expansion of ASL knowledge. **NOTE: ASL III students will be expected to attend at least one approved scheduled event for observation of sign language in use outside of school hours during the year.** This class requires student planning and implementation of projects to demonstrate mastery of Ohio's Modern Language Standards.

# VISUAL/PERFORMING ARTS & HUMANITIES

## **Art I - 5003**

State Course #: 020012

Prerequisites: None

Elective

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: \$25.00

Art is a semester course in which the student will learn the application of the basic elements of art through various media and techniques. The student will be required to submit a weekly sketchbook and begin a showcase portfolio. This portfolio will include work completed in class and will serve as the semester exam grade. The work contained within the portfolio will demonstrate the growth of the artist. This course serves as a prerequisite for advanced art courses. Homework will be assigned and students will be required to supply additional materials as needed.

## **Art II - 5013**

State Course #: 020012

Prerequisites: Passing grade in Art I

Elective

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: \$25.00

Students will be exposed to an in-depth view of technique and media. A portfolio will be composed throughout the year as a reflective tool. Homework will be assigned along with weekly sketchbooks, which should reflect student life experiences and interests.

## **Ceramics I - 5033**

State Course #: 020242

Prerequisites: None

Elective

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: \$30.00

This course is designed for the beginning ceramics student who may not have prior art making experience with clay as a medium. Material covered will include art making, development of skills as well as an art history component which will explore pottery from around the world and its function. Students will experience creating with clay with a focus on hand building techniques such as pinch, coil, & slab. Various glaze & decoration techniques will be introduced as well as functional & sculptural applications.

## **Ceramics II - 5035**

State Course #: 020242

Prerequisites: Passing grade in Ceramics I

Elective

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: \$30.00

This course is designed for the advanced ceramics student who is experienced in making art with clay as a medium. Material covered will include development of skills as well as an art history component, which will explore pottery from around the world and its function. Students will focus on advanced techniques, as well as various glaze and decoration techniques, and functional and sculptural applications.

**Art Independent Study - 5025**

State Course #: 029999

Prerequisites: None

Elective

Grade: 11-12

Graded Conventionally

Credit: 0.5

Fee: \$25.00

Students will work in a small-group setting to explore and develop artistic skills based on personal interest and ability. A portfolio will be composed throughout the semester as a reflective tool.

**Advanced Art Design (CCP) - 5027**

State Course #: 020210

TAG/OTM Course #: ART 1101 (Design I)

Prerequisites: Passing grade in Art II or Ceramics II

Elective

Grade: 10-12

Weighted Grading

Credit: 0.5

Fee: \$25.00

Students will investigate design concepts and methods with emphasis on principles. Studio activities include creative problem solving and research involving line, shape, texture, value and color. Students will focus on the study of both fine art and graphic design and their real-world applications.

**Concert Choir - 5103**

State Course #: 120400

Prerequisites: None

Elective

Grade: 9-12

Graded Conventionally

Credit: 1

Fee: None

Concert choir is designed for those students who enjoy singing. All types of songs are rehearsed, memorized, and performed. Students electing this course are required to participate in the fall, winter, and spring concerts, in addition to assemblies and graduation. There may also be optional contests and performances. In addition, written work beyond the classroom is expected.

**Chamber Singers - 5093**

State Course #: 120400

Prerequisites: Passing grade in Concert Choir, audition

Elective

Grade: 10-12

Graded Conventionally

Credit: 1

Fee: None

Chamber Singers will be featured at many school and community events. Students will be required to participate in such events during and/or after the school day. Students must successfully audition for this class.

**Band - 5113**

State Course #: 120500

Prerequisites: None

Elective

Grade: 9-12

Graded Conventionally

Credit: 1

Fee: None

Band is for all students who currently play a band instrument or have a strong desire to learn to play. During the fall, rehearsals will focus on preparation for marching band performances. During concert season the band will perform at concerts, competition, and commencement exercises. Participation in Pep Band is mandatory; however, students may also participate in solo and ensemble contests on a voluntary basis.

**Marching Band - 5123**

State Course #: 120500

Prerequisites: Concurrent enrollment in Band

Elective Grade: 9-12

Graded Conventionally Credit: 0.5

Fee: Varies

Students enrolled in band are encouraged to participate in marching band during football season and pep band during basketball season. The marching band segment will include a mandatory band camp during the summer and practice every day after school. The marching band will perform at all football games, as well as several parades and festivals. During the pep band segment, students will perform at home basketball games.

**Music Theory - 5143**

State Course #: 120300

Prerequisites: Concurrent enrollment in Lab Band 1

Elective Grade: 9-12

Graded Conventionally Credit: 0.5

Fee: None

Music theory is designed for the student interested in the actual mechanics involved in analyzing, arranging, and writing music. The student will learn scale structure, chord progressions, and intervals through sight singing, ear training, and practical application to a keyboard and/or other musical instruments. Music Theory is a semester course that will be taught with Lab Band 1 on alternating days. Students are required to sign-up for both music theory and Lab Band.

**Jazz Band - 5153**

State Course #: 120500

Prerequisites: Concurrent enrollment in Band, Lab Band, or instructor permission

Elective Grade: 9-12

Graded Conventionally Credit: 0.5

Fee: None

Jazz band is a selected group of musicians who meet the instrumentation needed for a jazz band. Jazz band is open to students desiring the opportunities of performing dance, popular, and improvisational music. This group will perform at several concerts and other functions. Students who sign up for jazz band may be required to attend rehearsals after school.

**History of Rock and Roll - 5163**

State Course #: 129999

Prerequisites: None

Elective Grade: 10-12

Graded Conventionally Credit: 0.5

Fee: None

This course will begin with a brief overview of the ancestors of Rock and Roll: Pop music, Country and Western music, and Rhythm and Blues, leading us into the emergence of Rock in the 1950's. The transition into the 1960's will help us to understand how society can be reflected and influenced by music. We will discuss Elvis Presley, the Beatles, the British Invasion, Folk Rock, Soul, the musical developments in San Francisco, Jazz, and Art Rock. The 1970's will introduce the students to Disco and Soft Rock, and the 1980's will bring Heavy Metal and Rap. When we reach the 1990's and the turn of the century, the class will take over to discuss the current trends in music. Finally, we will discuss how Rock and Roll has influenced other cultures and even how other cultures have influenced the development of rock and roll. The ultimate goal of this course is to help the student understand the music that they are listening to, where it comes from, what it is made of, where it is going, and to help create an educated consumer of music.

**Lab Band 1 - 5133**

State Course #: 120500

Prerequisites: Concurrent enrollment in Music Theory

Elective Grade: 9-12

Graded Conventionally Credit: 0.5

Fee: None

Lab Band 1 is open to any student who wants to learn how to play any instrument. Previous knowledge of music is not necessary. In this course, you will learn to read music and learn to play an instrument of your choosing (upon availability of instrument). Performances are a possibility. Concurrent enrollment in Music Theory is required.

**Lab Band 2 - 5134**

State Course #: 120500

Prerequisites: None

Elective Grade: 9-12

Graded Conventionally Credit: 0.5

Fee: None

Lab Band 2 is open to any student who wants to learn how to play an additional instrument, or who wishes to improve upon his or her skills and technique with their current instrument. In this course, you will learn to read more advanced music and/or learn to play an instrument of your choosing (upon availability of instrument). Performances are a possibility.

**Acting - 1323**

State Course #: 059999

Prerequisites: None

Elective Grade: 10-12

Graded Conventionally Credit: 0.5

Fee: None

This semester course explores the physical, environmental, and vocal needs of the performer. It is designed to improve confidence, memorization, and communication skills. Students will explore the history of theatre, dramatic literature, and acting skills. This is a very active class filled with theatre games, improvisation, pantomime, clowning, dancing, audition techniques, and playwriting. Students will be expected to perform in a class production as a part of the class grade. This class counts as an elective credit and can be taken more than once.

**Technical Theater - 1333**

State Course #: 059999

Prerequisites: None

Elective Grade: 11-12

Graded Conventionally Credit: 0.5

Fee: None

This semester course explores all aspects of technical theatre and meets in the theatre shop. Students will study and complete projects in set design, set building, props, lights, make-up, costuming, sound, stage management, house management, and publicity. Students will be required to work on a production in at least one technical area. Students who successfully complete this course may have the opportunity to run sound and lights for school functions. A hammer, wrench, gloves, safety goggles, and workbook are required for the class. This course counts as an elective credit and can be taken more than once. Students will learn about technical theatre through informational text. Students will apply this knowledge to complete projects.

***History of Visual Media - 1335***

*State Course #: 059999*

*Prerequisites: None*

*Elective*

*Grade: 11-12*

*Graded Conventionally*

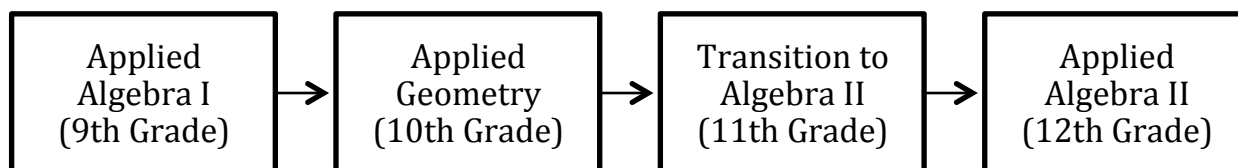
*Credit: 0.5*

*Fee: None*

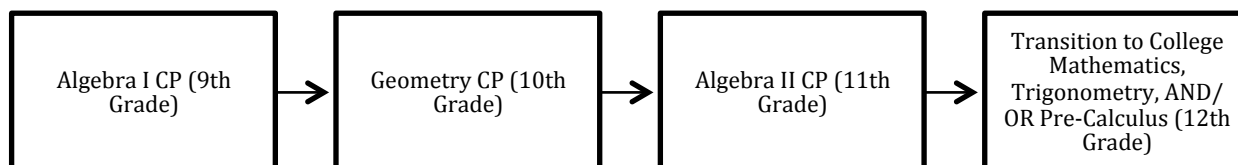
This course will cover the histories of both stage and screen, with one academic quarter devoted to each. The course will cover the history of stage from its earliest beginnings to modern productions, specifically the technical advances and effects that are achieved on stage as well as common practices. Students will examine a script and the difference between movie and play scripts. This course will also cover the history of film in the United States and foreign countries from the silent era to the advent of the “talkies” to today's current blockbusters and indie films. Students will be required to take quizzes and complete projects covering the different presentation styles.

# MATHEMATICS

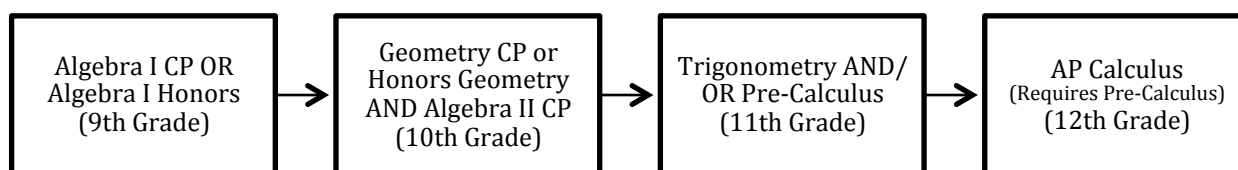
## COURSE SEQUENCE FOR TECH PREP/VOCATIONAL



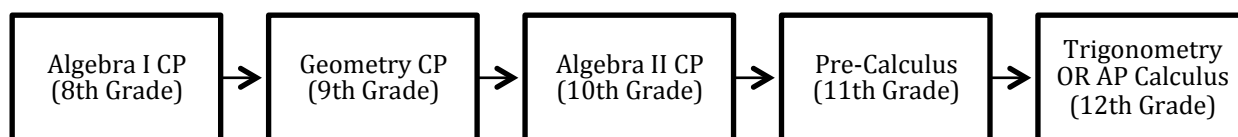
## COURSE SEQUENCE FOR COLLEGE PREP



## COURSE SEQUENCE FOR COLLEGE PREP (DOUBLING UP AS A SOPHOMORE)



## COURSE SEQUENCE FOR COLLEGE PREP (ALGEBRA I CP IN 8<sup>TH</sup> GRADE)



### **Attention Middle School Students:**

\* The purpose of taking Algebra I CP during your 8<sup>th</sup> grade year is so you can take AP Calculus as a senior without taking Geometry CP/Honors Geometry & Algebra II CP concurrently. Therefore, if you do not anticipate taking AP Calculus your senior year, you should wait until freshman year to take Algebra I CP.

\*Incoming freshman cannot take Geometry CP/Honors Geometry and Algebra II CP concurrently.

\*Trigonometry can be taken during the 11<sup>th</sup> or 12<sup>th</sup> grade years. It will be taken concurrently with Pre-Calculus or AP Calculus.

### **Attention High School Students:**

\* You are required to be enrolled in a Math class until you fulfill the state math requirements for graduation.



**Applied Algebra I - 2003***State Course #: 110301**Prerequisites: None**Required Option* *Grade: 9**Graded Conventionally* *Credit: 1**Fee: None*

This course is intended for the student who is selecting the Vocational or Tech Prep track. The course will follow the mathematics standards set forth by the State Department of Education. Students will be expected to do daily homework, quizzes, unit tests, a notebook and projects. A three-ring binder is required. A graphic calculator (TI-83 or TI-84) is recommended but not required.

**Algebra I CP - 2013***State Course #: 110301**Prerequisites: None**Required Option* *Grade: 8-9**Graded Conventionally* *Credit: 1**Fee: None*

This course is designed for the mathematics student of average ability and is the minimum prerequisite for advancing to Geometry and/or Algebra II. The course will follow the Mathematics Standards set forth by the State Department of Education. This course will stress problem solving and will contain an in-depth study of properties of real numbers, positive and negative numbers, operations with polynomials, solving equations, graphics, equations and powers, roots, radicals, probability and data analysis. Students will be expected to do daily homework problems, quizzes, unit tests, notebooks and projects. A three-ring binder is required. A graphing calculator (TI-83 or TI-84) is recommended but not required.

**Algebra I Honors - 2011***State Course #: 110301**Prerequisites: Grade of A in 8<sup>th</sup> Grade Math, placement test**Required Option* *Grade: 9**Graded Conventionally* *Credit: 1**Fee: None*

This course is designed for the mathematics student of above average ability and is the minimum prerequisite for advancing to Honors Geometry and/or Algebra II. The course will follow the mathematics standards set forth by the State Department of Education. This course will stress problem solving and will contain an in-depth study of properties of real numbers, positive and negative numbers, operations with polynomials, solving equations, graphics, equations and powers, roots, radicals, probability, and data analysis. Students will be expected to do daily homework problems, quizzes, unit tests, notebooks, and projects. A three-ring binder is required. A graphic calculator (TI-83 or TI-84) is recommended but not required.

**SG Applied Algebra I - 2503***State Course #: 110301**Prerequisites: None**Required Option* *Grade: 9**Graded Conventionally* *Credit: 1**Fee: None*

The course will follow the mathematics standards set forth by the State Department of Education. The course is designed to assist students in gaining the skills to become proficient at grade level in mathematics. The coursework includes, but is not limited to translating algebraic expressions and equations, collecting, organizing and using data, solving algebraic equations, proportions and graphing. Students will be expected to complete homework assignments, quizzes, unit tests and in-class activities.

**ASG Applied Algebra I – 2603**

State Course #: 110301

Prerequisites: None

Required Option Grade: 9

Graded Conventionally Credit: 1

Fee: None

This course will stress problem solving and will contain an in-depth study of real-life mathematical situations.

**Applied Geometry - 2083**

State Course #: 111200

Prerequisites: Passing grade in Applied Algebra I

Required Option Grade: 10-12

Graded Conventionally Credit: 1

Fee: None

This course is intended for the student who is selecting the vocational or tech prep track. The course will follow the 10th grade math standards set forth by the State Department of Education. Students will be expected to do daily homework, quizzes, unit tests, a notebook and projects. A three-ring binder, scientific calculator, straight edge, compass, and protractor will be required.

**Geometry CP - 2023**

State Course #: 111200

Prerequisites: Passing grade in Algebra I CP or Algebra I Honors

Required Option Grade: 9-10

Graded Conventionally Credit: 1

Fee: None

This course is designed for the student who has a good working knowledge of mathematics. It requires skillful use of Algebra I. Major topics are studied in depth including the writing of geometric proofs as well as the algebraic solutions of geometric problems involving lines and angles. Triangles, parallel and perpendicular lines, circles, and similar polygons will be emphasized. Students will perform basic construction using a straightedge and compass, and will gain experience using protractors. Students will be expected to do daily homework, take quizzes and unit tests, while maintaining notebooks. A three-ring binder, scientific calculator, straightedge, compass and protractor are required.

**Honors Geometry - 2024**

State Course #: 111200

Prerequisites: Achieved a B or higher in Algebra I CP or Algebra I Honors, or instructor recommendation

Required Option Grade: 9-10

Graded Conventionally Credit: 1

Fee: None

This course is designed for the mathematical student of above average ability and who is considering a field of study in Engineering or other mathematically intensive field. The course will follow the mathematics standards set forth by the State Department of Education. This course will stress problem solving and will contain an in-depth study of triangles, parallel and perpendicular lines, circles, and similar polygons. Students will be expected to do daily homework, take quizzes and unit tests, as well as projects, and keep a notebook. This course will have a faster pace than Geometry CP. A scientific calculator, straight edge, and compass are required.

### **SG Applied Geometry - 2513**

*State Course #: 111200*

*Prerequisites: Passing grade in SG Applied Algebra I*

*Required Option* *Grade: 10*

*Graded Conventionally* *Credit: 1*

*Fee: None*

The course will follow the mathematics standards set forth by the State Department of Education. The course is designed to assist students in gaining the skills to become proficient at grade level in mathematics. The coursework includes, but is not limited to reasoning in geometry, identifying patterns, analyzing two-dimensional figures; coordinate graphing, angles, parallels and relationships of geometric figures. Students will be expected to complete homework assignments, quizzes, unit tests and in-class activities.

### **ASG Applied Geometry - 2613**

*State Course #: 111200*

*Prerequisites: Passing grade in ASG Applied Algebra I*

*Required Option* *Grade: 10*

*Graded Conventionally* *Credit: 1*

*Fee: None*

Topics studied include lines, angles, polygons, circles, perpendicular lines, and triangles. Students will perform basic construction using a straightedge and compass.

### **Transition to Algebra II - 2004**

*State Course #: 110030*

*Prerequisites: Passing grade in Applied Geometry*

*Required Option* *Grade: 11-12*

*Graded Conventionally* *Credit: 1*

*Fee: None*

This course is intended for the student who is selecting the vocational or tech prep track. The course will follow the eleventh grade math standards set forth by the Ohio Department of Education. The course will also help prepare those students who still need to pass the math portion of the OGT. Students will be expected to do daily homework, quizzes, unit tests, and keep a notebook. A three-ring binder will be required. A graphing calculator (TI-83 or TI-84) is recommended but not required.

### **Algebra II CP - 2074**

*State Course #: 110302*

*Prerequisites: Passing grade or concurrent enrollment in Geometry CP*

*Required Option* *Grade: 10-11*

*Graded Conventionally* *Credit: 1*

*Fee: Graphing calculator required*

This course is designed for the mathematics student of above average ability. This course stresses mastery of techniques and solving multi-step problems. It will begin with a brief review of Algebra I and is followed with an in-depth study of first-degree equations, operations with polynomials, graphing, matrices, radicals, imaginary numbers, quadratic equations, logarithms, data analysis, conic sections, and trigonometry. Students will be expected to do daily homework problems, quizzes, unit tests, and keep a notebook. Any version of the TI-83 or TI-84 graphing calculator is required due to extensive graphing calculator use.





**Trigonometry/Conics - 2043**

State Course #: 111600

Prerequisites: Passing grade in Algebra II CP, instructor recommendation

Elective

Grade: 11-12

Graded Conventionally

Credit: 0.5

Fee: Graphing calculator required

This course is designed for the student who is going to take AP Calculus or is interested in a career in engineering. The course will emphasize trig identities, properties of sine and cosine, graphing of trig functions, inverse trig functions, conic section work, and extensive use of graphing calculators. Students will be expected to complete daily homework, quizzes, tests, and a folder each grading period. A graphing calculator (TI-83 or TI-84) is required. *If you take this course as a 12<sup>th</sup> grade student and are also taking AP Calculus, Trigonometry/Conics must be taken during first semester. If you are an 11<sup>th</sup> grade student, there is no semester preference.*

**History of Mathematics - 2085**

State Course #: 119999

Prerequisites: None

Elective

Grade: 11-12

Graded Conventionally

Credit: 0.5

Fee: None

This course will study the development of mathematics in terms of the contributions of many great mathematicians: Euclid, Archimedes, Descartes, Newton, and Gauss, as well as the contributions of the Mayans, Egyptians, and other cultures. This course is designed to for the student who is interested in mathematics and may be majoring in Mathematics or Mathematics Education in college. You will be required to complete quizzes and projects in this class as well as a final presentation to the class regarding a significant contribution to the field of mathematics.

# PHYSICAL EDUCATION & HEALTH

## **Health - 6003**

State Course #: 260101

Prerequisites: None

Required Option

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: None

This course is required of all students for graduation. The topics include personal health, drug and alcohol education, tobacco education, AIDS education, sexually transmitted diseases, human development and other related topics.

## **WS Health - 6053**

State Course #: 260101

Prerequisites: None

Required Option

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: None

This course is required of all students for graduation. The topics include personal health, drug and alcohol education, tobacco education, AIDS education, sexually transmitted diseases, human development and other related topics.

## **Physical Education - 6013**

State Course #: 080300

Prerequisites: None

Required Option

Grade: 9-12

Graded Conventionally

Credit: 0.25

Fee: None

Physical education is required of all students for graduation. It will provide each student with the opportunity to learn skills for increased fitness and to develop skills and understandings that will enable the student to enjoy a lifetime of physical fitness. A total of .5 credits is needed to fulfill this graduation requirement.

## **Physical Development - 6063**

State Course #: 080300

Prerequisites: None

Required Option

Grade: 9-12

Graded Conventionally

Credit: 0.25

Fee: None

Physical Development is a course designed for student athletes or students interested in physical development and personal training. Physical development will focus on aerobic and strength training using a variety of exercises. *Students participating in athletics are highly encouraged to enroll in Physical Development to supplement their athletic training; however, any student may enroll in physical development, regardless their participation in student athletics. Sections will be offered for both male and female athletes.*

# SCIENCE

## Pathways

### General Science Courses:

Physical Science, Biology, Chemistry or Natural Resources\*

### College Preparatory Science Courses:

Physical Science CP, Biology CP, Anatomy and Physiology, Chemistry CP, Physics

### Honors Science Courses:

Physical Science CP, Honors Biology, AP Biology, Anatomy and Physiology, Chemistry CP, Physics

*\*Additional/Supplemental Science credits may be earned through Vocational Agriculture.*

## Course Descriptions

### **Physical Science - 3113**

State Course #: 132220

Prerequisites: None

Required Option

Grade: 9-12

Graded Conventionally

Credit: 1

Fee: \$15.00

This course is designed to help students develop skills in the scientific method as applied to the Physical Sciences, Earth and Space Sciences, and Science and Technology. This course will cover such topics as atoms, chemical reactions, physical properties, mixtures and solution, laws of motion, forces, energy, waves, historical perspectives, processes within and on the earth, the earth's history through Geological evidence, and the relationship between technology and science.

### **Physical Science CP - 3123**

State Course #: 132220

Prerequisites: Grade of C or higher in 8<sup>th</sup> grade science

Required Option

Grade: 9

Graded Conventionally

Credit: 1

Fee: \$15.00

This course is an intensive physical science class with added emphasis on helping students develop skills in the scientific method as applied to Physical Science, Earth and Space Sciences, Science and Technology. This course will cover matter, atoms, chemical and physical properties, chemical reactions, mixtures and solutions, laws of motion, force, energy, waves, historical perspectives, earth's internal and external processes, earth's history through Geological evidences and the relationship between technology and science. Mathematical relationships will be included.

### **ASG Physical Science - 3633**

State Course #: 132220

Prerequisites: None

Required Option

Grade: 9

Graded Conventionally

Credit: 1

Fee: None

This course is designed to help students develop skills in the scientific method. This course will cover such topics as atoms, physical and chemical properties, laws of motion, energy, waves, processes within and on the earth, and the earth's geological history.





**Science Intervention - 3143**

State Course #: 132900

Prerequisites: Passing grade in Biology

Elective

Grade: 11-12

Graded Conventionally

Credit: 1

Fee: None

This course is designed for students who have passed both Physical Science and Biology, but have not passed the state test. This course will help students develop advanced skills in the scientific method, as well as concepts not normally taught in Physical Science. Biological concepts related to the environment will also be taught. (This course does not count as a science credit toward graduation.)

**ASG Environmental Science - 3652**

State Course #: 132350

Prerequisites: Passing grade in ASG Biology

Required Option

Grade: 11

Graded Conventionally

Credit: 1

Fee: None

This course is designed for students to further explore their environment. Topics studied include population growth, erosion, acid rain, various forms of pollution, energy resources, "Green" products and activities to help the planet, and other environmental subjects that affect our daily life.

**Chemistry - 3052**

State Course #: 130301

Prerequisites: Passing grade in Biology and 2 math credits (including Algebra I)

Elective

Grade: 11-12

Graded Conventionally

Credit: 1

Fee: \$20.00

This course is designed for the non-college preparatory student who has an interest in the physical sciences. This course will focus on the basics of chemistry, including matter, atoms, electron arrangement, periodic law, chemical bonding, phases of matter, solutions, and chemical reactions. An emphasis will be placed on using the scientific method. This course will include a laboratory component that will reinforce the concepts taught. There is a \$20.00 fee charged to cover the cost of supplies.

**Chemistry CP - 3053**

State Course #: 130301

Prerequisites: Passing grade in Biology CP or Honors Biology and 2 math credits (inc. Algebra I CP/Honors)

Elective

Grade: 11-12

Graded Conventionally

Credit: 1

Fee: \$20.00, scientific calculator required

This course is designed for students interested in going to college and/or into the field of science. Fundamentals of Chemistry such as matter, measurement, atoms, electron arrangement, periodic law, chemical bonding, formulas, equations, phases of matter, solutions and chemical reactions are covered. Also included are the relationship between science and technology and historic perspectives. The laboratory experiments help students correlate chemistry concepts with actual observations. There is a \$20.00 fee charged to cover costs of supplies. Students are required to purchase a scientific calculator.

**Physics - 3073**

State Course #: 130302

Prerequisites: Passing grade in Biology CP or Honors Biology and 3 math credits (including Algebra II CP)

Elective Grade: 12

Graded Conventionally Credit: 1

Fee: \$25.00, scientific calculator required

The study of Physics is designed to acquaint the student with the relationship of energy and matter. The basic laws and principles studied include energy, measurement, velocity and acceleration, forces, periodic motion, momentum, matter, sound, light, electrostatics and electricity. Historic perspectives and the relationship between science and technology are included. Laboratory experiments are a very important part of this course and are performed to apply the physics concepts. A good working knowledge of mathematics is essential. Students may be required to purchase a lab manual and it is strongly recommended that they own a scientific calculator. A fee of \$25.00 is charged for this course.

**Anatomy & Physiology (CCP) – 3203**

State Course #: 139998

TAG/OTM Course #: BIOS 1113 (Anatomy and Physiology I)

Prerequisites: Grade of B or better in Biology CP or Honors Biology

Elective Grade: 11-12

Weighted Grading Credit: 1

Fee: \$50.00

Anatomy and Physiology will introduce students to the structure and function of the human body. This course is ideal for those students who are interested in pursuing a career in medical or healthcare fields. The main arenas to be covered will be anatomical terminology, human organization, integumentary system, skeletal system, muscle system, blood, cardiovascular system, respiratory system, nervous system, endocrine system and human birth and development. Emphasis will be placed on the identification and location of parts of the human body and how those parts function in maintaining homeostasis. Dissection of a cat will be required.

**Advanced Placement Biology (CCP) - 3163**

State Course #: 132330

TAG/OTM Course #: BIOS 1121 (Biology I)

Prerequisites: Grade of B or better in Honors Biology, instructor recommendation

Elective Grade: 11-12

Weighted Grading Credit: 1

Fee: \$35.00, AP exam fee

This course is designed for the college bound student who has a strong interest in the life sciences and/or plans to pursue a career in the life or health sciences. This course is an intensive overview of all areas of biology, including biological chemistry, cellular and molecular biology, genetics, anatomy and physiology and botany. This is an advanced placement course, for which students may receive college credit upon successful completion of the AP exam at the end of the course. This is a heavily lab based course, and some time may need to be spent outside of class to complete lab activities. Some summer readings and assignments may be required. Students not meeting the prerequisite requirements must obtain written permission from the instructor before they will be permitted to register, and permission may not be granted if more than one of the prerequisites have not been met. A fee of \$35.00 will be charged to cover the cost of laboratory materials. Students are also responsible for the cost of the AP Exam fee.

**Medical Terminology - 3205**

State Course #: 139997

Prerequisites: Grade of C or better in Biology, Biology CP, or Honors Biology

Elective Grade: 11-12

Graded Conventionally Credit: 0.5

Fee: None

This course will explore the study of the technical language of medicine and the allied health fields, including the Greek and Latin prefixes, roots, and suffixes with which medical terms are constructed. This course will include both written and spoken language, and a study of abbreviations and acronyms used in medicine. This course is suggested for students planning to pursue a career in the sciences or a healthcare field. *This course does not satisfy the advanced science requirement for graduation.*

**Paleobiology - 3215**

State Course #: 139997

Prerequisites: Grade of C or better in Biology, Biology CP, or Honors Biology

Elective Grade: 11-12

Graded Conventionally Credit: 0.5

Fee: None

This course will explore all aspects of the dinosaurs, their time on Earth, and their extinction. Topics to be discussed may include a survey of dinosaur species, anatomy and physiology, behavior, evolutionary relationships, and their extinction. *This course does not satisfy the advanced science requirement for graduation.*

**Physical Geology - 3225**

State Course #: 134250

Prerequisites: Passing grade in Physical Science and Biology

Elective Grade: 11-12

Graded Conventionally Credit: 0.5

Fee: None

Physical Geology is a course designed to help students develop a better understanding of the world around them. Students will investigate the following topics: minerals, igneous, metamorphic, and sedimentary rocks, plate tectonics and its relationship to geological events/environmental disasters such as volcanoes, earthquakes, and tsunamis, and Earth's life history. Students will learn about the importance minerals and rocks have on their everyday lives, how plate movement causes some of the biggest, most destructive events on Earth and human history, and how life has changed throughout Earth's history by looking at fossils and calculating rock ages. *This course satisfies 0.5 credits toward the advanced science requirement for graduation.*

# SOCIAL STUDIES

## Pathways

### College Preparatory Social Studies Courses:

Modern World History CP; American History CP; American Government CP; Economics and Financial Literacy; either Contemporary World Issues, Sociology, or World Geography

### Advanced Social Studies Courses:

Modern World History CP; AP U.S. History; AP U.S. Government and Politics; Economics and Financial Literacy; either AP Psychology, Contemporary World Issues, Sociology, or World Geography

## Course Descriptions

### **Modern World History CP - 4013**

State Course #: 150890

Prerequisites: None

Required Option

Grade: 9-12

Graded Conventionally

Credit: 1

Fee: None

Students continue the chronological study of world history. This study incorporates each of the seven Ohio Academic Content Standards. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills.

### **ASG Social Studies I – 4632**

State Course #: 150890

Prerequisites: None

Required Option

Grade: 9

Graded Conventionally

Credit: 1

Fee: None

Students will continue the study of world history. As students study historical eras, they will consider geographic settings, cultures, and gain a deeper understanding of the role of citizens.

### **American History CP - 4033**

State Course #: 150810

Prerequisites: Passing grade in Modern World History CP

Required Option

Grade: 10-12

Graded Conventionally

Credit: 1

Fee: None

Tenth grade students continue the chronological study of the history of the United States with emphasis on domestic affairs. This study incorporates each of the seven state standards. As students study historic eras, they consider the geographic, cultural, economic and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

### **ASG Social Studies II – 4642**

State Course #: 150810

Prerequisites: Passing grade in ASG Social Studies I

Required Option

Grade: 10

Graded Conventionally

Credit: 1

Fee: None

Students will study the history of the United States. As students study historical eras they will consider geographic settings, cultural, economic and governmental changes that have occurred.



**Sociology - 9163**

State Course #: 151300

Prerequisites: None

Elective

Grade: 11-12

Graded Conventionally

Credit: 0.5

Fee: None

Sociology is an elective course designed for students planning to enter some form of higher education. Sociology is structured with an emphasis upon the study of people and their human relationships. Students will learn the vocabulary and techniques of sociology. A large percentage of the course will be centered upon how the individual copes in our society with its social problems. Evaluation will involve tests, written work, class participation, and group research.

**Social Studies Intervention - 4033R**

State Course #: 159999

Prerequisites: Passing grade in American History CP

Elective

Grade: 11-12

Graded Conventionally

Credit: 1

Fee: None

This course is designed for students who have not passed one of the Social Studies portions of the state tests. Course will focus on format of state test questions, test-taking skills, and general social studies topics covered on the state tests.

**Advanced Placement U.S. History - 4063**

State Course #: 150810

Prerequisites: Grade of B or better in Modern World History CP, instructor recommendation

Elective

Grade: 10-12

Weighted Grade

Credit: 1

Fee: \$25.00, AP exam fee

The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. The course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

**Economics and Financial Literacy - 7163**

State Course #: 159940

Prerequisites: None

Required Option

Grade: 10-12

Graded Conventionally

Credit: 0.5

Fee: None

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. Students will discern financial choices, discuss money and financial issues without (or despite) discomfort, plan for the future and respond competently to life events that effect every day financial decisions, including events in the general economy.

**Contemporary World Issues - 4103**

State Course #: 152150

Prerequisites: None

Elective

Grade: 10-12

Graded Conventionally

Credit: 0.5

Fee: None

The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include competing beliefs and goals, methods of engagement, and conflict and cooperation. Contemporary issues have political, economic, social, historic and geographic components. Approaches to addressing global and regional issues reflect historical influences and multiple perspectives. Students can impact global issues through service learning and senior projects.

**World Geography - 4107**

State Course #: 150700

Prerequisites: None

Elective

Grade: 10-12

Graded Conventionally

Credit: 0.5

Fee: None

This course builds on students' understanding of geography and spatial thinking. Contemporary issues are explored through the lens of geography. In addition to understanding where physical and cultural features are located and why those features are located as they are, students examine the implications of these spatial arrangements.

**History Through Film - 4117**

State Course #: 159999

Prerequisites: Passing grade in Modern World History and U.S. History

Elective

Grade: 11-12

Graded Conventionally

Credit: 0.5

Fee: None

In this course, students will view, analyze, and discuss films from different genres, countries, and time periods to develop a deeper understanding of a selected historical topic. This class' specific subject matter may change from semester to semester, offering multiple topics to a student population with diverse interests. Examples include: World War II, U.S. in the 1960's, and the Great Depression. The films being viewed will be used as a discussion point for the selected topic or historical period. After viewing, the class will make use of various supplemental materials, readings, and assignments.

**U.S. History - 1980's - 4127**

State Course #: 159999

Prerequisites: Passing grade in Modern World History and U.S. History

Elective

Grade: 11-12

Graded Conventionally

Credit: 0.5

Fee: None

In this course, students will focus on the United States during the 10-year period from 1980-1989. Students will analyze all parts of the decade, including politics, military conflicts, domestic issues, economic policies, popular culture, and various other issues. This course will serve to give students a deeper understanding of a time period that, due to time constraints, is typically not a focus of the sophomore-level U.S. History course.



***History and Popular Culture - 4137***

*State Course #: 159999*

*Prerequisites: Passing grade in Modern World History and U.S. History*

*Elective*

*Grade: 11-12*

*Graded Conventionally*

*Credit: 0.5*

*Fee: None*

In this combination history/sociology course, students will look at selected periods in history and develop an understanding of the connection between events in history and the popular (or “pop”) culture of the time. Students will analyze various parts of popular culture, including: music and musicians, films and actors, books and authors, sports and athletes, politics and politicians, artists and art, and others. Students will analyze the connection between events going on in a society and the pop culture of that society at the time.

# BUSINESS/TECHNOLOGY

## TECHNOLOGY

### ***Information Technology - 8033***

*State Course #: 290050*

*Prerequisites: None*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 0.5*

*Fee: \$10.00*

This course is designed for students to develop the necessary communication, organizational, and critical thinking skills required for the 21<sup>st</sup> century workplace. It will provide students with the ability to utilize word processing and spreadsheet programs, organize and present slideshow presentations, create and edit videos, develop programs using computer coding, and design websites for the consumer. The course also integrates proficiency in electronic mail, keyboarding, public speaking, Internet research, and ethical use of technology.

### ***School Publications - 8253***

*State Course #: 300040*

*Prerequisites: Application and interview*

*Elective*

*Grade: 10-12*

*Graded Conventionally*

*Credit: 1*

*Fee: None*

Study and construction of an annual from beginning layout, cover design, ads sales, photography basics, to delivery of the product the following September. Students must agree to cover after school activities and work after school selling ads; students will contract to complete the book in June after school is out. Students will stay after school one day each week once the book is in production. No more than ten students will be admitted. Students will also be required to attend events, take photographs, write and publish news releases during the course of the year. Computer experience, writing skills, and good attendance are essentials. Junior and senior students are admitted through an application process; applications are available from the advisor. Selected students will be notified before the scheduling deadline.

### ***AP Computer Science Principles - 8073***

*State Course #: 299999*

*Prerequisites: Grade of B or better in Algebra II CP and Information Technology, instructor recommendation*

*Elective*

*Grade: 11-12*

*Weighted Grade*

*Credit: 1*

*Fee: AP Exam Fee*

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. This rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field.

## BUSINESS EDUCATION

### ***Introduction to Business – 8303***

*State Course #: 032300*

*Prerequisites: None*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 0.5*

*Fee: None*

Introduction to Business will demonstrate how the business economy operates and provide a general overview of business operations. Students will learn about our economic environment and business operations, including government in our global economy, marketing, entrepreneurship, and small business management. The class combines concepts with practical applications to real world situations. Students will be prepared to make decisions as consumers, wage earners, and citizens within the economy.

### ***Introduction to Accounting – 8003***

*State Course #: 030100*

*Prerequisites: Passing grade in Introduction to Business*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 0.5*

*Fee: Supplemental materials*

Accounting is the language of business, which is the process of recording, classifying, and summarizing financial information. Financial understanding of assets, liabilities, owner's equity, revenues, and expenses are covered for a service business and a merchandising business. Financial papers (journals, ledgers, balance sheets, income statements, worksheets, and trial balance) are covered for both types of business. Use of cash receipt subsystems, cash payment subsystems, purchase subsystems, sales subsystems, and payroll subsystems are also covered. The ability to work on a continuous flow with the intentions of relating one area of concentration to another is needed. *Students may be required to purchase a workbook for this course.*

### ***Introduction to Marketing – 8313***

*State Course #: 033450 (non-CTE) or 040805 (CTE)*

*Prerequisites: Passing grade in Introduction to Business*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 0.5*

*Fee: None*

Explore the strategies and tactics used by the world's most successful companies. Class time blends creative group projects, guest speakers, and in-depth analysis of innovative (as well as disastrous) marketing initiatives from well-known businesses. Learn and apply basic concepts of marketing and characteristics of free enterprise, including promotional strategies, branding, and advertising, social media, market research, professional development, and business ethics.

\*\* Business Education program offerings may be adjusted based on student interest or program development.

# PROJECT LEAD THE WAY - ENGINEERING

Project Lead the Way is a nationwide non-profit organization dedicated to increasing the quality and quantity of science and technology graduates in the United States. PLTW's graduates are expected to understand technology as a tool for problem solving, have a broad-based understanding of the underlying methodology of science processes, be well prepared for the rigorous college curriculum, understand, apply, analyze and design technological systems, select an appropriate technology system for a task and apply it, understand the principles of mathematics, demonstrate effective communication of information and solutions, and possess the skills necessary to work in teams effectively.

## Pathway

### Project Lead the Way – Engineering

Introduction to Engineering & Design, Principles of Engineering, Civil Engineering & Architecture (Optional), Digital Electronics, Engineering Design and Development

## Course Descriptions

### ***Introduction to Engineering & Design - 8153***

*State Course #: 175001*

*Prerequisites: None*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 1*

*Fee: None*

Using 3-D computer modeling software, students learn the engineering design process, and they solve problems as they develop, analyze, and create product models. Intro. To Engineering Design is one of the four classes included in the Project Lead the Way curriculum. Project Lead the Way is a national non-profit organization established to help schools give students the knowledge they need to excel in high-tech fields, such as engineering.

### ***Principles of Engineering – 8163***

*State Course #: 175002*

*Prerequisites: Passing grade in Introduction to Engineering & Design and Algebra I*

*Elective*

*Grade: 10-12*

*Graded Conventionally*

*Credit: 1*

*Fee: None*

Through problems that engage and challenge, students will explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

### ***Civil Engineering & Architecture - 8173***

*State Course #: 175001*

*Prerequisites: Passing grade in Principles of Engineering*

*Elective*

*Grade: 11-12*

*Graded Conventionally*

*Credit: 1*

*Fee: None*

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real work problems and communicate solutions to hands-on projects and activities. This course covers topics such as: The Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, Project Documentation and Presentation.

**Digital Electronics - 8133**

State Course #: 175007

Prerequisites: Passing grade in Principles of Engineering

Elective

Grade: 11-12

Graded Conventionally

Credit: 1

Fee: None

This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.

**Engineering Design and Development - 8193**

State Course #: 175009

Prerequisites: Passing grade in Digital Electronics

Elective

Grade: 12

Graded Conventionally

Credit: 1

Fee: None

This is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the two preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.

# VOCATIONAL

The NLHS Vocational Department is divided into three sections: Family & Consumer Sciences; Agriculture, Food, and Natural Resources; and Work Programs.

## FAMILY & CONSUMER SCIENCES

### ***Career Research - 7183***

*State Course #: 091400*

*Prerequisites: None*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 0.5*

*Fee: \$7.50*

Students will develop, implement, and periodically review and revise a career blueprint in the context of other life choices and changing employment trends, societal needs and economic conditions. The blueprint will include educational plans supportive of their personal and career goals. It will also include supportive extra-curricular and community activities and work experience. Students will analyze and document personal interests, talents, skills, aptitudes and values in relation to career options. They will plan for development of core employability skills needed by all students to succeed in school and by all workers to succeed in the workplace.

### ***Financial Management - 7203***

*State Course #: 091050*

*Prerequisites: None*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 0.5*

*Fee: \$7.50, supplemental materials*

Students will develop attitudes and skills to achieve personal financial wellness. They will learn the implications of sound financial decision making, appropriate use of credit, financial institutions, adequate insurance and their impact on personal and workplace financial wellness. Students will learn the inter-relationships between values, spending decisions, income and education. They will be able to use and evaluate technology for financial purposes, avoiding financial fraud. They will address public policy as it relates to family financial well-being.

### ***Life Skills - 7173***

*State Course #: 091300*

*Prerequisites: None*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 0.5*

*Fee: \$7.50*

Students will integrate management principles that will lead to more productive and meaningful lives. Students assume increasing responsibility for their own growth and development. They analyze their personal assets and plan strategies to increase these assets that make them caring, healthy, confident, and responsible people. Goal setting, planning and time management skills will be applied in reference to the family and workplace. Students will develop an understanding of the causes and implications of all types of stress and will build their capacity to address stress and cope with changes. Students will develop and extend their thinking on the changes in gender roles and responsibilities and their impact on the home and work. Students will learn the importance of accepting responsibility for the management of personal, family and environmental resources. This class will include a sewing project.

**Healthy and Safe Food - 7193**

State Course #: 091077

Prerequisites: Passing grade in Foods

Elective

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: \$7.50

Students acquire the knowledge and skills necessary to become informed and safe consumers and handlers of food. They evaluate information related to advances in food technology, nutrition and safety. Students will master the skills required to safely prepare and store food, reducing the risk of food borne illness. Students will evaluate the impact of consumer choice on the environment and the global community.

**Healthy Living - 7213**

State Course #: 091200

Prerequisites: None

Elective

Grade: 11-12

Graded Conventionally

Credit: 0.5

Fee: \$7.50

Students gain knowledge and skills in acquiring and practicing a healthy lifestyle using dietary guidelines that will reduce the risks of chronic disease and unsafe habits. They gain competence to differentiate methods of weight loss and learn reliable resources regarding food and beverage selection. Students will understand the cultural, family, community and economic implications of obesity, healthy weight and lifestyle.

**Foods - 7153**

State Course #: 230140

Prerequisites: None

Elective

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: \$7.50

This course includes basic nutrition, safety, sanitation, selection, purchase, care, and preparation of food. Practical laboratory preparation of food is included. This course is designed for students with limited backgrounds in nutrition and food, who want to develop cooking skills for living independently.

**Clothing - 7143**

State Course #: 230100

Prerequisites: None

Elective

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: \$7.50

This course emphasizes garment construction. Related topics include consumer information, clothing choice, and careers in textile and clothing fields. This course will focus on developing sewing skills.

**Child Development - 7223**

State Course #: 091025

Prerequisites: None

Elective

Grade: 9-12

Graded Conventionally

Credit: 0.5

Fee: \$7.50, supplemental materials

Students will discover the needs of infants and young children and how parents and childcare providers can meet those needs for healthy growth and development. Students will recognize the factors that impinge on parents. Students are able to recognize differences in individuals, cultures, circumstances, and growth and development rates to meet the needs of growing children. Childcare providers will meet the needs of children by recognizing standards set for childcare that is most likely to meet the healthy growth and development of children.

**Entrepreneurship - 8353**

State Course #: 044110

Prerequisites: None

Elective

Grade: 10-12

Graded Conventionally

Credit: 0.5

Fee: None

Entrepreneurship is a course designed to aid students in exploring the concept of entrepreneurship (how to start and operate a business). Students will evaluate a potential career path by studying the framework of starting a business. They will evaluate the characteristics, skills, abilities, and attitudes necessary for business management success. Students will learn how to develop a business plan from actual contact with business owners. This course can be taken during both semesters, and will contain a lab component of running a school general store.



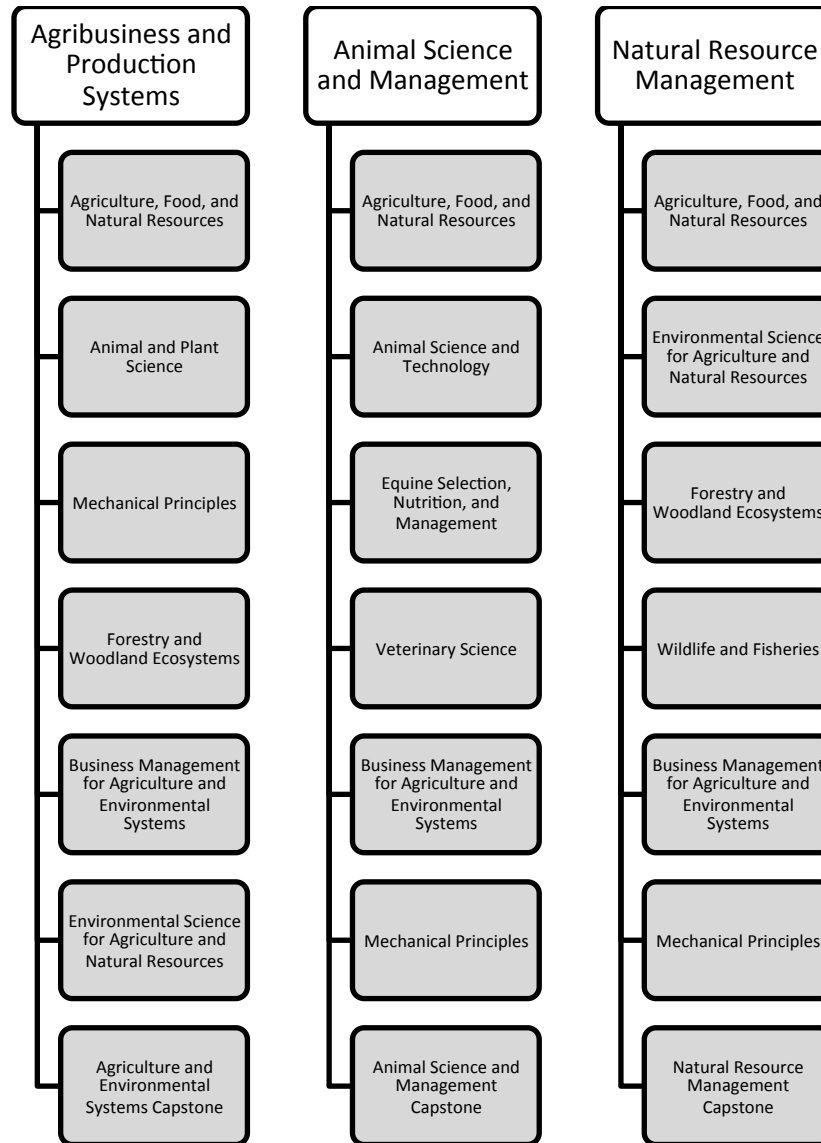
# AGRICULTURE, FOOD, and NATURAL RESOURCES

Agriscience today is more than the science of production agriculture. It is a wide and varied field consisting of production agriculture, agricultural mechanics, welding, small engines, woodworking, animal science, crop science, environment management, landscaping, horticulture, forestry, conservation, outdoor recreation, leadership skills and many other related areas.

The New Lexington Agriscience / Agribusiness curriculum is designed to try to meet the needs of the students in our community. Many of our students, according to past records, will become part-time agriculturists working off the farm for the major portion of their income. Approximately one out of every five jobs in the United States is related to agriculture. Therefore, our curriculum will be geared to emphasize mechanical skills, applied science and related math which will be useful in the shops and factories as well as in the fields of agriculture and related occupations.

## Agriculture, Food, and Natural Resources Pathways

Each student enrolled in the New Lexington High School agriculture program is encouraged to pursue a pathway, which requires a student to complete a minimum of four Webxam-tested courses in a given pathway. The following pathways are available at New Lexington High School:



## Course Descriptions

All students are going to be required to do a minimum of 10 hours of community service, as well as complete a job placement; animal, plant, exploratory, research, **and/or** improvement project. FFA participation will be an integral part of the student's grade. The instructors will use these projects, as well as classroom grades, FFA participation, and cooperation with other students as criteria for selecting students for future AgriScience programs. New Lexington High School is presently working on Dual Enrollment with Hocking College to allow college credits to be earned in specific associate degree programs based upon successful completion of certain agriculture classes.

### ***Agriculture, Food, and Natural Resources - 7903***

*State Course #: 010105*

*Prerequisites: None*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 1.25*

*Fee: None*

*(0.5 Science credits if student has taken Physical Science and Biology)*

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 bioscience. 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.

### ***Animal and Plant Science - 7823***

*State Course #: 010125*

*Prerequisites: Passing grade in Agriculture, Food, and Natural Resources*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 1.25*

*Fee: None*

*(0.5 Science credits if student has taken Physical Science and Biology)*

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.

### ***Animal Science and Technology - 7913***

*State Course #: 010910*

*Prerequisites: Passing grade in Agriculture, Food, and Natural Resources*

*Elective*

*Grade: 9-12*

*Graded Conventionally*

*Credit: 1.25*

*Fee: None*

*(0.5 Science credits if student has taken Physical Science and Biology)*

Students will learn and apply responsible animal management principles and routine husbandry practices. Topics will include nutrition, feeding, and caring for animals, body/carcass composition evaluation, and applying marketing principles to the sale and distribution of animal products. Learners will investigate animal genetics and how it impacts principles of animal improvement, selection, and marketing. Throughout the course, learners will develop business leadership, problem-solving, and communication skills in relation to the science of animals.

***Business Management for Agricultural and Environmental Systems (Ag. Business) - 7933***

*State Course #: 010115*

*Prerequisites: None*

*Elective*

*Grade: 11-12*

*Graded Conventionally*

*Credit: 1.25*

*Fee: None*

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.

***Agriculture Business Work / Capstone - 7083***

*State Course #: 010190*

*Prerequisites: Must be enrolled in another AFNR class; obtain at least 450 work hours during one year*

*Elective*

*Grade: 11-12*

*Graded Conventionally*

*Credit: 2*

*Fee: None*

For agricultural business work, the student will be released to work in an instructor approved agriculture business. Students must work a minimum of 70 hours per nine-week grading period. A savings account is required as well as record books.

***Agricultural and Environmental Systems Capstone – (Advanced Shop) - 7953***

*State Course #: 010190*

*Prerequisites: Passing grade (or concurrent enrollment) in Mechanical Principles; must be enrolled in another AFNR class, instructor recommendation*

*Elective*

*Grade: 11-12*

*Graded Conventionally*

*Credit: 1.25*

*Fee: None*

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.

***Environmental Science for Agriculture and Natural Resources (CCP) - 7094***

*State Course #: 010720*

*TAG/OTM Course #: BIOS 1101 (Environmental Science)*

*Prerequisites: None*

*Elective*

*Grade: 11-12*

*Graded Conventionally*

*Credit: 1.25*

*Fee: None*

*(1 Science credit if student has taken Physical Science and Biology)*

Students will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.

**Equine Selection, Nutrition, and Management - 6993**

State Course #: 010935

Prerequisites: Instructor recommendation

Elective

Grade: 11-12

Graded Conventionally

Credit: 1.25

Fee: None

(1 Science credit if student has taken Physical Science and Biology)

Students will identify and apply responsible animal science principles and management practices to equine populations. Topics will include equine nutrition, selection, reproduction and facility design and management. They will apply knowledge of equine science to enhance animal growth, enrichment and training, along with providing educational and visitor engagement programs. Throughout the course, students will develop management plans that reflect the classification of animals and follows best practices for care and legal compliance.

**Veterinary Science - 6963**

State Course #: 010930

Prerequisites: None

Elective

Grade: 11-12

Graded Conventionally

Credit: 1.25

Fee: None

(1 Science credit if student has taken Physical Science and Biology)

Students will learn causes, symptoms, and treatment of common diseases with special emphasis on developing preventative health management plans and breeding programs. Topics include veterinary pharmacology, radiology and imaging techniques, principles of surgery, safe laboratory skills, and the concepts of ethics and professionalism in the work place. Students will develop skills in inquiry and statistical methods. Throughout the course, learners will utilize principles of technology to manage information systems, and research issues affecting the industry.

**Mechanical Principles (CCP) - 7803**

State Course #: 010210

TAG/OTM Course #: ERT 1121 (Welding)

Prerequisites: Instructor recommendation

Elective

Grade: 11-12

Graded Conventionally

Credit: 1.25

Fee: None

(1 Science credit if student has taken Physical Science and Biology)

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, building construction, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

**Forestry and Woodland Ecosystems - 7843**

State Course #: 010730

Prerequisites: Instructor recommendation

Elective

Grade: 11-12

Graded Conventionally

Credit: 1.25

Fee: None

(1 Science credit if student has taken Physical Science and Biology)

Students will apply principles of botany, dendrology and silviculture to the management of forests and forest ecosystems. They will apply principles of timber cruising with surveying and mapping techniques to take forest measurements. Learners will develop the knowledge and skills necessary for forest reforestation, timber stand improvement, timber harvesting and forest product utilization. Learners will operate and maintain forestry equipment, apply fire management practices, and understand related regulations, laws, and policy issues.

**Wildlife and Fisheries - 7863**

State Course #: 010745

Prerequisites: None

Elective

Grade: 11-12

Graded Conventionally

Credit: 1.25

Fee: None

(1 Science credit if student has taken Physical Science and Biology)

Learners will apply the principles and practices of resource conservation and management to fish and wildlife populations. Students will learn proper wild animal handling techniques, principles of wildlife nutrition, inventory practices, water quality parameters and testing, and natural and artificial propagation. Learners will apply principles of facility design and layout for managing fish populations. Throughout the course, learners will research and evaluate the impacts of various land practices, legislation, and human activities on habitats and populations.

**Animal Science and Management Capstone - 7954**

State Course #: 010190

Prerequisites: Must be enrolled in another AFNR class, instructor recommendation required

Elective

Grade: 11-12

Graded Conventionally

Credit: 1.25

Fee: None

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.

**Natural Resource Management Capstone - 7955**

State Course #: 010190

Prerequisites: Must be enrolled in another AFNR class, instructor recommendation required

Elective

Grade: 11-12

Graded Conventionally

Credit: 1.25

Fee: None

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.

## **WORK PROGRAMS**

### ***WECEP Connections & Job I - 7303 & 7313***

*State Course #: 252525*

*Prerequisites: None*

*Elective*

*Grade: 9*

*Graded Conventionally*

*Credit: 3*

*Fee: None*

This is a vocational work experience designed to meet needs of socially, academically, or economically disadvantaged students. The work experience will consist of a school based work site. This course is limited to twenty people, who are selected for the course. Students may sign up for the course, but admittance is by selection only. Credits are earned by participation in a WECEP class and job hours. Work credit is calculated as 120 clock hours of work equals 2 credits. In addition, students can receive 1 credit for the WECEP Related course. This is presently under review by the State committee and is subject to change.

### ***WECEP Connections & Job II - 7303 & 7313***

*State Course #: 252525*

*Prerequisites: Passing grade in WECEP Connections & Job I*

*Elective*

*Grade: 10*

*Graded Conventionally*

*Credit: 3*

*Fee: None*

WECEP II is offered to students who have successfully completed WECEP I and meet requirements to remain in the program.

### ***ASG Vocational Work Adjustment - 7733***

*State Course #: 199000*

*Prerequisites: Transition plan for employment*

*Elective*

*Grade: 12*

*Graded Conventionally*

*Credit: 1-3*

*Fee: None*

This course is designed for seniors who plan on entering the work force. Work credit will be determined by 60 hours of work equaling one credit earned. Students are selected based on teacher, counselor, and administrative recommendations.

**Early Release**

State Course #: N/A

Prerequisites: Application, see qualifications below

Elective

Grade: 11-12

Not Graded

Credit: 0

Fee: None

An early release option is available for students that meet the criteria listed below. If you meet requirements and are interested in participating in the program, you need to complete the application (available in the office). **In order to be considered for participation, this form MUST be turned in to the Guidance Department.**

- Achieve a score of proficient or higher on all of Ohio's State Tests
- Students must have 13 credits at the beginning of their junior year or students must have 18.5 credits at the beginning of their senior year
- Minimum GPA of 2.5
- Provide transportation to and from school
- Parent permission
- Evidence of gainful or volunteer employment and valid work permit
- Student athletes must meet all athletic eligibility requirements
- No more than 5 tardies (to school) the year prior to participation
- No more than 5 absences the year prior to participation (doctor's notes permit exception)
- No discipline referrals for skipping class or skipping school
- **Must** sign out daily at the front office; abuse or neglect of this will result in loss of privilege
- Privilege may be revoked if student GPA drops below a 2.5 during any given quarter or if student has more than one tardy (to school) per quarter

*\*Principal may approve students with extenuating circumstances into the program*