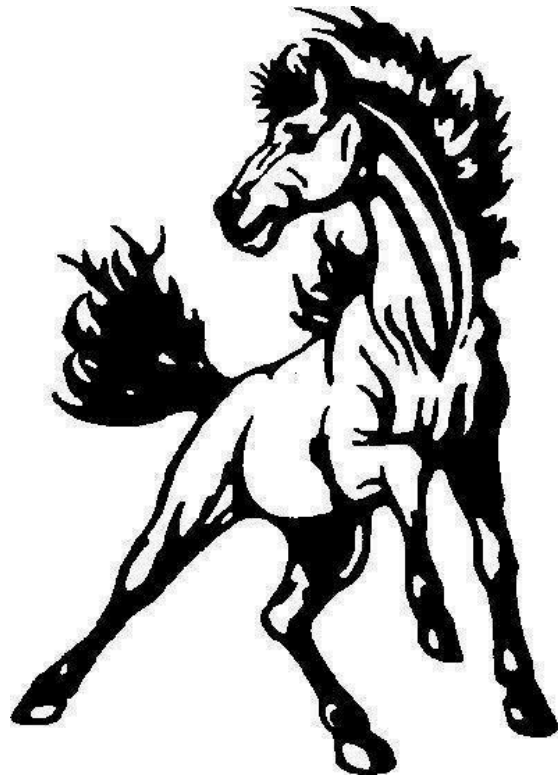


Clear Fork High School



**Curriculum Guide
2025 - 2026**

Table of Contents

Part 1

● Graduation Requirements	3
● Types of Diplomas	4
● Graduation Recognition	4
● Alternative Credit Sources	5
● Grade Scale	6
● Choosing a Program	8
● Special Programs	9
● Extra-Curricular Activities/Athletic Eligibility	10
● Admission, Placement, & Withdrawal	11
● Schedule Change Policy	12
● Preparing for College	13
● NCAA Clearinghouse	15
● Four Year Educational Plan	16-17

Part 2

● Art	18
● Business/Technology	19
● English	20-22
● World Language	23
● Family and Consumer Science	24-25
● Mathematics	26-29
● Music	30-31
● Physical Education & Health	32-33
● Science	34-36
● Social Studies	37-39
● STEM/Robotics	40
● Vocational Agriculture	41-45
● College Credit Plus	46-49
● Intervention	50-51
● Knox County Career Center	52
● 9 Week Classes	52
● Historical Offerings	52

Types of Diplomas

Under current law, there are two types of diplomas which may be issued to Ohio high school graduates: the “regular” diploma will be issued to any student who has successfully completed the high school curriculum and met the requirements of state mandated testing. An “honors” diploma will be issued to any student who has successfully completed the high school curriculum, met the requirements of state mandated testing, and satisfied other criteria established by the State Board of Education.

DIPLOMA WITH HONORS

CLEAR FORK HIGH SCHOOL

Students need to fulfill only 7 of the following 8 criteria

Subject	Criteria
English	4 Units
Mathematics	4 Units (Algebra I, II, Geometry)
Science	4 Units (2 units of Adv. Science with labs)
Social Studies	4 Units
Foreign Language	3 Units
Fine Arts	1 Unit
Grade Point Average	3.5 on 4.0 scale
ACT Score	27

VOCATIONAL DIPLOMA WITH HONORS

Knox County Career Center

Students need to fulfill only 7 of the following 8 criteria

Subject	Criteria
English	4 Units
Mathematics	4 Units (Algebra I, II, Geometry)
Science	4 Units (Including 2 units of advanced science)
Social Studies	4 Units
Electives	4 Units of Career-Tech
Grade Point Average	3.5 on 4.0 scale
ACT Score	27
Additional Assessment	Proficiency on Ohio Career–Tech Assessment

Graduation Recognition:

Summa Cum Laude:
Magna Cum Laude
Cum Laude

GPA of 4.0 or better
GPA of 3.80 to 3.99
GPA of 3.60 to 3.79

Alternative Credit Sources

Credits earned for graduation other than those a student transfers from an approved high school are restricted as follows.

- Tutoring - Unless Board approved tutoring is used in case of illness. A maximum of two such units of credit may be counted toward graduation.
- Correspondence courses - A maximum of two credits may be counted toward graduation.
- Summer School - A maximum of two credits may be counted toward graduation.
- Virtual Learning – A maximum of two credits may be counted toward graduation.

No students may count more than a total of three credits toward graduation from any combination of the above sources except in cases where additional tutoring credits are approved due to illness.

Alternative Credit Requirements:

- A student must have the approval of the high school counselor and the high school principal before tutoring, taking a correspondence course or summer school.
- Tutoring, correspondence courses and/or summer school may be approved only in those instances where a student has taken the courses in high school and has **failed** the course.
- A student must apply for and receive approval for tutoring, a correspondence course or summer school through Clear Fork High School.
- A student taking a correspondence course must take all related tests and exams under the supervision of a Clear Fork or KCCC certified staff member.

Early Graduation:

Early graduation is available for qualifying students. See the school counselor for details.

Grade Point Average and Class Rank

At Clear Fork High School, we keep a non-weighted GPA (on a 4.0 scale) and a weighted GPA (on a 5.0 scale). Only final grades are used for GPA purposes.

College Credit Plus

- College Credit Plus classes offered at Clear Fork are weighted. College Credit Plus classes taken on a college campus will be weighted if it coincides with a CCP class offered at Clear Fork.
- There may be additional weighted courses added prior to the start of the school year.
- **Student and parent/guardian must attend an informational session, and sign the “Intent to Participate” form (also found on web page) and turn into Mrs. Marquette by April 1st. (This is a hard deadline, set by the State of Ohio).**

More information related to College Credit Plus can be found at <https://www.ohiohighered.org/ccp/students-families>.

Grade Scale

Non-Weighted (4.0)		Weighted (5.0)	
A	4.00	A	5.0
A-	3.63	A-	4.63
B+	3.37	B+	4.37
B	3.00	B	4.00
B-	2.63	B-	3.63
C+	2.37	C+	3.37
C	2.00	C	3.00
C-	1.63	C-	2.63
D+	1.37		
D	1.00		
D-	0.63		
F	0.00		

These points are for full-credit courses. An “A” in a 1/2 credit course receives 1/2 the points. For example, an “A” in a 1/2 credit course, such as Financial Literacy, would be counted as 2 points when figuring a GPA. The following example illustrates the process for calculating GPA.

Weighted grades are subject to change prior to the start of the school year.

Course	Grade Earned	Credit	Point Value
CCP English Comp I	B	1	4.0
Holocaust	A-	1/2	1.82
Civil War	A	1/2	2.0
Spanish III	A	1	4.0
Physics	A	1	4.0
Calculus	B	1	3.0
Advanced PE	A	1	4.0
Lifetime Emergencies	B	1/2	1.5
Total		6.50	24.32

24.32 (total weighted pts.) divided by 6.50 (credits attempted) = 3.74

Course Credit

To earn credit in courses, the student must pass at least two out of the last three marking periods (this includes quarter grades and exams).

Superintendent's Honor Roll

Special recognition will be given to those students earning all A's for the grading period. Students may not receive a grade lower than A- in any subject to qualify.

Honor Roll

Special recognition will be given to those students who make the Honor Roll. In order to qualify for the Honor Roll, a student must earn a GPA of 3.5 or higher.

Merit Roll

Any student not qualifying for the Superintendent's Honor Roll or Honor Roll may be recognized on the Merit Roll by maintaining at least a 3.0 grade point average.

About School Progress

Families may initiate a conference with the teacher, counselor, or principal at any time regarding the progress or their student/s. **You will need to call or email in advance to set up an appointment in order to guarantee the availability of the counselor, teacher, or administrator.** All conferences would be designed to bring together school personnel and parents so that each may contribute information, which will be helpful to the student's continual academic and social growth. Families are encouraged to contact the school at any time to review student progress and/or plan for the future of their student/s. As a first step, it is recommended that the student's teacher be contacted.

On the Web

Clear Fork Website: <https://cfcolts.org/>

Please enjoy all the great features of the Clear Fork Website. The District is utilizing the web-based electronic grading system, ProgressBook. One of the major goals in implementing ProgressBook is to increase communication between parents and teachers. Through the Parent Access feature of ProgressBook, parents will have access to their student's progress, homework assignments, daily attendance, and view messages from our staff.

- Add this website to your Favorites list on your computer for future use.
- Locate and click on **Home Access for ProgressBook** in the middle of the page.
- Then click on the Clear Fork Colt icon.
- You will be requested to enter a Username and Password. To gain access to student progress for your student, please enter the following:
- Username: *student username*, (will be provided for you) (a zero (0) follows the letters; if you enter the letter 'O' the username will not work)
- Password: *student password*, (will be provided for you)
- Once you have successfully entered your login, you will be able to perform additional tasks that will simplify future logins. You will be able to enter contact information specific to your account (email address), change your password to something more meaningful, and if you have more than one child in the district, link additional children to your account.

Choosing a Program

Students should realize that earning a diploma should be the result of a carefully planned path of curriculum choices that will provide the desired preparation for the next phase of life. Clear Fork High School has designed the following options:

- **The College Preparatory Program**

Those who desire to prepare for entrance to colleges and universities It is important to first consider your desires and thoughts regarding these options before making random course selections and decisions. The following explanations will be of help and of course do not hesitate to consult your guidance and/or administration department to help in your decision. The State of Ohio Board of Regents made strong recommendations to Ohio high schools regarding the curriculum that graduating students should have in order to be unconditionally accepted to state universities in Ohio. Although there will always be some universities who will vary in their exact requirements, and certain college programs will require slightly different courses, Clear Fork High School basically subscribes to the Board of Regents recommendations.

<u>*Curriculum</u>	<u>Units of Credit</u>
English	4 (Including C.P. English)
Math	4 (Algebra I, Geometry, & Algebra II)
Science	3 (Must include two lab sciences)
Social Studies	3
Foreign Language	2 (Both same language)
Fine/Performing Arts	1 (Band, Chorus, Art, or Play Production)

- **In addition to units of credit listed above, students need to meet Clear Fork High School general graduation requirements.**

- **The Tech-Prep Program**

Allows for academic and technical preparation for students who desire technical and/or associate degree programs. Those students who choose not to acquire a specific entry-level skill via vocational school or have not decided on a four-year college program of study may pursue a program of technical preparation. Those who choose the tech-prep program should take as much English, mathematics and science as possible (at least 10 credits). The basic core course of college preparation should be combined with technical education in one or more of the following areas: industrial technology, work and family, business, art, and/or computers. By taking the combination of academic and technical course work a student will build the foundation necessary for post high school technical schools, adult vocational programs, and/or associate degree (2 year) programs.

- **The Vocational Program**

Those who wish to pursue a specific vocation that can be achieved by attending Clear Fork High School and the Knox County Career Center Career development programs offered by K.C.C.C. are available. The course offerings are designed to develop the aptitude and skills for successful entry into the world of work or advanced technical training at 2 or 4-year colleges. In general, most students choose to attend a 2-year vocational-technical program during their junior and senior year. Juniors must have earned at least 9 units of credit to obtain the class standing of Junior and eligibility to attend the Knox County Career Center. However, students who have attended C.F.H.S. for two years and have not attained junior status, but would like to attend K.C.C.C., may schedule a conference with the principal, counselor and parents for special consideration. Students who have completed two years of high school at another school, who are not yet classified as a junior and are enrolling at C.F.H.S. for the first time, may also schedule a conference for special consideration.

- **College Credit Plus Program**

The College Credit Plus Program has been established to permit high school students to earn college and high school graduation credit through the successful completion of college courses. The program is intended to provide expanded opportunities for appropriately qualified high school students to experience course work at the college or university level. The high school student must meet special admission criteria set by the individual college or university. The high school student will be expected and required to perform at the same level as the institution's regular students. College courses should either contribute to or supplement the broad academic preparation needed by high school students. Credit for highly specialized content college courses generally should not substitute for important broader content college preparatory courses offered by the high school. Students and Parents must attend a mandatory College Credit Plus Informational meeting offered once a year at Clear Fork High School or MOESC. Students and/or parents must notify the school district of their intent to participate in this program by April 1st. It is imperative that the student, as well as the parent, clearly understands the implications of this option.

More information related to College Credit Plus can be found at <https://www.ohiohighered.org/ccp/students-families>

- **Work Study Program** **** (Seniors only, must apply)****

The goal of the work study program is to help students make the transition from childhood to adulthood by mastering skills that lead to academic, occupation, social, personal, recreational, and civic fulfillment. Students must be a Senior, 16 years old, and employed for at least 6 hours per week, and have transportation to the job site. Students can earn from 1 – 3 credits for work experience depending on the number of hours spent on the job (120 hours worked = 1 credit).

Special Programs

In addition to the curriculum options listed, Clear Fork High School offers programs to special needs students. Career Based Intervention, Learning Disabilities, and Developmentally Handicapped classes are three such programs.

- **Learning Disabilities**

Students who are diagnosed as having a learning disability have the opportunity to benefit from either a full-time learning disability instructor, or from a LD tutoring program. The qualifications of students for these programs is determined through special testing and procedures as prescribed by state guidelines and administered by the district director of special education. Individual Educational Plans (IEP) is developed jointly with school and parent involvement.

- **Developmentally Handicapped**

An adopted curriculum for DH students is provided through all four years, including a work-study program. Placement in the DH program is determined through special testing and procedures as prescribed by state guidelines and administered by the school psychologist. Individual Education Plans (IEP) is developed jointly with school and parent involvement. In an effort to meet the students' needs while using the least restrictive environment, Clear Fork High School is using the inclusion method of learning for Special Needs Programs.

- **Multi Handicap Program**

Students in the Multi Handicap (MH) class follow an adapted curriculum including experiences at the Life Skills lab. An Individual Education Plan (IEP) is developed jointly by the IEP team to create a schedule that best fits the individual needs of the MH student. Placement in the MH program is determined through special testing and procedures as prescribed by state guidelines and administered by the Multi-factored Evaluation team (MFE).

Clear Fork High School Extra Curricular Activities

Academic Extracurricular

Academic Challenge
Art Club
History Club
Junior Board
National Honor Society
Science Club
Ski Club
Spanish Club
Tech Team

Academic Intra Curricular

FFA (Future Farmers of America)
Newspaper Staff
Yearbook Staff
Marching Band
Pep Band
Artisans (Choral)
Class Officers

School Related Service

Project Support
Student Council

Interscholastic Athletics

Boys

Football
Cross Country
Soccer
Golf
Basketball
Wrestling
Baseball
Track & Field
Tennis

Girls

Soccer
Cross Country
Volleyball
Tennis
Cheerleading
Basketball
Softball
Track & Field
Golf

Athletic Eligibility

All athletes must pass **five credits** and carry at least a **1.25 GPA** in the previous nine weeks grading period in order to be eligible for sports.

***Pass/fail classes are not included in athletic eligibility or in GPA calculations.

- Work Study
- Exercise Science

Admission, Placement, and Withdrawal

The Clear Fork Board Office and High School Counselors Office are responsible for the proper admission of new students. The process includes, but is not limited to, several counseling and information forms, the proper proof of residence, birth certificate, proof of parent/guardian/legal custodian and the most recently issued report card. The student will be placed in the appropriate Clear Fork High School courses to match (as closely as possible) the previous coursework.

Upon receipt of an official transcript as provided by the previous school, a counselor will evaluate the transcript and honor credits and coursework that the student successfully passed and transfer those items to the current student records.

To withdraw a student, the legal parent or guardian must complete the withdrawal form and process which includes a parent/guardian signature, reason for withdrawal, city, state and school moving to (when appropriate), and a check-out for grades, book return, financial clearance from appropriate departments, and administrative approval, if appropriate. Student withdrawals are to be processed through the counselor's office.

Retaking Courses

If a student wants to retake a class to improve their grade, the grade from the first time taking the class and the second time will be averaged. For example: if a student had a D the 1st time and a "B" the second time, the grade will be a "C" for the class.

Earning Credit in Courses

The entire course must be completed before any credit will be given. Credit will be given in any course in which a D- or better grade is achieved, having also passed two (2) out of the last three (3) grades within that semester.

*Credit may be withheld due to excessive absences. See the *Attendance Policy*.

The Selection of Courses

Students are eligible to select courses in accordance with the course offering charts that appear at the end of this booklet. The counselor, with a teacher's recommendation, must approve any exceptions.

- Students must select not less than 7 credits per year. Exceptions to this will occur in the case of student aides and/or special programs necessitating open periods during the day.

Transfers from Knox County Career Center

- KCCC requires students to stay at least **5 school days** before making a decision to return to their home school.
- Clear Fork High School will not allow students to return after 10 school days have passed.
- If a student wishes to return at the end of the first semester, he or she must have a conference with the director, counselor and instructors of The Knox County Career Center. They must also meet with the principal and counselor of the Clear Fork High School. All applications for returning to the home school will be determined on an individual basis.

Schedule Change Policy for Clear Fork High School

Each spring, our school counselor will meet with students and assist in the planning of their schedule. Parents have an opportunity to ask questions and are asked to sign each student's course request form. After this process is complete, school officials plan the master schedule (number, size of classes, and a period-by-period plan) for each teacher and student. Students will be able to request class changes for one week after schedules have been issued.

A class change after the school year starts is discouraged.

Schedule changes first and second semester will be made ONLY for the following valid academic reasons:

- ❑ To make up a required course for graduation.
- ❑ A change deemed necessary by a counselor and/or teacher.
- ❑ Student has been scheduled into a course previously passed.
- ❑ Student has been scheduled into a course out of sequence. (Geometry before Algebra I)
- ❑ A placement change is needed and directed by an administrative school official.
- ❑ Adding a course to replace a study hall (if seats are available and it is within 3 days of start date).

Situations that will NOT result in schedule change:

- Requested the course but no longer interested in the subject
- To be with a friend
- A desire for another instructor (teacher counts are monitored)
- A desire for a different lunch period

Once schedules have been issued, students will be allowed one (1) week from issue date to make changes needed.

Students will need to identify, from the list above, the reason for the schedule change.

A student-initiated request to drop a class after this period will result in a "drop-fail". No credit will be given, and an "F" will be issued for each grading period as well as the final grade. This "F" is on the permanent record and is averaged with other grades for the grade point average, which affects class rank. This grade will also affect athletic participation, as it will be used in figuring the 9-week grade point average.

Prepare for College Now!

- You can go to college! It just takes good thinking and good planning. Let everyone know that you **want to go to college**, your parents, your teachers, and your school counselor.
- The classes you take in high school are very important. Make sure you are taking courses that are part of the College Core and be sure that you follow the core for all four years.
- Students who complete the College Preparatory Program score nearly three points higher on the ACT test.
- Get involved in extracurricular activities, such as music, sports, or clubs. College and scholarship applications as well as resumes will expect this information.
- Do things in which you can develop and exercise your leadership skills.
- Do volunteer work and community service. There are many scholarships out there for service-oriented students.
- Set goals for yourself.
- Read as much as possible; ask your teachers about books that you might enjoy.
- Get involved in problem solving activities in your math and science classes.
- Do more than is asked and start doing it now!

Standard College Preparatory Course Load

4 Year College

4 years of English

4 years of Math

3 years of Social Studies

3 years of Science

1 year of Visual and Performing Arts

2 Year College

4 years of English

4 years of Math

3 years of Social Studies

3 years of Science

2 years of Foreign Language

College Bound Information

Admissions

The normal application time is fall of senior year. The student should check the specific admission deadlines at each college. Students can complete applications on-line. Mrs. Marquette will fill out the school counselor's part, attach an official transcript, and mail all materials together.

Financial Aid

To be considered for financial aid, a student and parents must fill out the **FAFSA** (Free Application for Federal Student Aid). The FAFSA is available on-line at (**www.fafsa.ed.gov**). The application can be submitted **after December 1st**.

College Testing

- All four-year colleges recommend either the ACT or SAT test. The ACT is the preferred test for Ohio colleges and universities.
- On-line registration is preferred at (**www.actstudent.org**).
- Clear Fork High School Six-Digit code number is **360-415**
- The Ohio State University and several other Ohio Colleges require the writing assessment of the ACT for Admission.

Post-High School Planning Timeline

9th GRADE

- Monitor academic progress
- Get involved in activities
- Select appropriate 10th grade courses
- Start a college savings account
- Start an activities resume for college and scholarships

10th GRADE

- Continue monitoring academic progress
- Take the PLAN test
- Consider taking the PSAT/NMSQT for SAT practice
- Explore college and career options
- Attend college fairs
- Attend a Post- Secondary Enrollment Options Program meeting in February
- Select appropriate 11th grade courses (NCAA core)
- Consider the ACT summer test

11th GRADE

- Continue monitoring academic progress
- Register for the PSAT/NMSQT in September
- Start to narrow down your college choices
- Register for the ACT and/or the SAT in Fall/Winter
- Visit colleges of interest
- Attend college fairs
- Meet with college reps that visit our school
- Select appropriate 12th grade courses
- Start looking for scholarships to apply for in 12th grade
- Establish a permanent email address for college communication

12th GRADE

- Continue monitoring academic progress
- Set up a calendar for the year with college, test, and scholarship deadlines
- Register for the Fall ACT and/or SAT if necessary
- Athletes complete NCAA Clearinghouse application
- Apply for all colleges and college scholarships before Christmas Break
- Complete the FAFSA after January 1st
- Compare financial aid offers and make a decision
- Notify college of decision by May 1st
- Send in housing deposits and forms required by college
- Request a final transcript to be sent to your college at the end of the year

NCAA/NAIA Eligibility

If a student thinks he/she may have the opportunity to participate in athletics at the college level, they must be registered with the NCAA Eligibility Center, or the NAIA Eligibility Center, and meet academic requirements. All students can have their initial eligibility status determined only by the NCAA or NAIA. For help with this process, students should see Mrs. Marquette in the Guidance office, or Ms. Jessica Brokaw in the Athletic Director's office.

CLEAR FORK COURSES APPROVED BY THE NCAA/NAIA

<u>Language Arts</u>	<u>Math</u>	<u>Science</u>	<u>Social Studies</u>	<u>World Language</u>
African Literature	Algebra I	Anatomy/Physiol.	American History	Spanish I
American Lit. I	Algebra II	Astronomy	Amer. Gov't/Econ.	Spanish II
American Lit. II	Calculus	Biology I	CCP History I	Spanish III
British Lit. I	CCP Statistics 1010	Biology II	CCP History II	Spanish IV
CCP Eng. Comp I	Geometry	CCP Chemistry I	CCP Psychology	Spanish V
CCP Eng. Comp II	Extended Algebra I	CCP Chemistry II	CCP Sociology	
Classic Novels	Extended Geometry	Chemistry I	Current Events	
Coll. Prep Eng. 9	Trig./Pre-Calculus	Chemistry II	Holocaust	
Coll. Prep Eng. 10		Environ. Science	Modern World His.	
English 9		General Biology	Psychology	
English 10		General Science	Sociology	
Journalism		Physical Geology	World Geography	
Mythology		Physics		
Speech		Zoology		

FOUR-YEAR EDUCATIONAL PLAN

This educational plan gives you and your parents an opportunity to focus on the many courses that are available to you. This is a flexible plan and may be changed from year to year.

Name: _____ Career Goal: _____

9th Grade		10th Grade	
Course	Credit	Course	Credit
English	1	English	1
English 9, or CP English 9	1 1	English 10, College Prep 10	1 1
Math	1	Math	1
Applied Algebra, or Algebra I, or Geometry	2 1 1	Applied Geometry, or Geometry, or Algebra II	1 1 1 1
Physical Science	1	Biology I	1
Modern World	1	American History	1
Physical Education	0.5		
Health	0.5		
11th Grade		12th Grade	
Course	Credit	Course	Credit
English	1	English	1
Math	1	Math	1
Financial Algebra	1	Trig or Calculus	
Algebra II or Trig	1	Science/Physical	1
Science	1		
Biology I, Biology II, Chemistry	1		
American Government	1		
Financial Literacy	0.5		

Four Year Educational Plan Continued

- You must take 1 Credit of **Physical Science** and 1 Credit of **Life Science**.
- You must take 1 Elective Credit from **Fine Art**, or **Foreign Language** over your four years.
- You must take 1/2 elective credit of **Financial Literacy**

You must meet all state-mandated test requirements.

PART 2 COURSE DESCRIPTIONS

ART

BUSINESS/TECHNOLOGY

ENGLISH DEPARTMENT

FAMILY AND CONSUMER SCIENCE DEPARTMENT

FOREIGN LANGUAGE DEPARTMENT

MATHEMATICS DEPARTMENT

MUSIC DEPARTMENT

PHYSICAL EDUCATION AND HEALTH

SCIENCE DEPARTMENT

SOCIAL STUDIES

VOCATIONAL AGRICULTURE

COLLEGE COURSES

SPECIAL NEEDS DEPARTMENT

KNOX COUNTY CAREER CENTER

Art Department

All courses in the art curriculum are designed to help a student to develop artistically and to foster an appreciation for all forms of visual arts. This can best be achieved by recognizing individual differences in values, attitudes and interests among students and helping each of them according to his or her individual needs. All classes have a fee of \$25.00

704 ART I Credit 1 Grade: 9-12

Students will explore a variety of media projects that challenge their artistic abilities. Art I consists of weekly sketchbook assignments, in class art projects and other written assessments. From Graphic Design to portraiture students will explore many forms of visual media from the past and present. Students are required to have a pencil and a Chromebook.

705 ART II Prerequisite: Art I Credit: 1 Grade: 10-12

Art II is designed as a fine arts class, also known as drawing boot camp. Using traditional media; graphite, charcoal, and paint, students will be challenged to expand upon their observation and drawing skills. Weekly sketchbook assignments, large art projects, including a self-portrait, and critiques make up the majority of the assessments. Students will experience a class environment similar to a fine arts class.

706 ART III Prerequisite: Art I, II Credit: 1 Grade: 11,12

Art III is a class where students will be challenged with the skills they gained in Art II to work with creative media and challenging projects. Weekly sketchbook assignments, large art projects, critiques, and portfolios make up the majority of assessments. Offered at the same time as Art IV, students will experience an open classroom environment where they must manage their workload, time, and contribute to group activities.

707 ART IV Prerequisite: Art I-III Credit: 1 Grade: 11,12

Art IV is a class where students will be challenged with the skills they gained in Art II and the experience in Art III to work with creative media and challenging projects. Weekly sketchbook assignments, large art projects, critiques and portfolios make up the majority of assessments. Offered at the same time as Art III, students will experience an open classroom environment where they must manage their workload, time, and contribute to group activities.

708 ART APPRECIATION Credit: 1 Grade: 9-12

Art Appreciation is designed for the non-artist who needs an art credit. Students will learn the function and value of art in our society through careful study of famous art pieces and by creating simple, but creative art projects. The art pieces or time periods are taught in units incorporating notes and readings with an exam to evaluate learning; one or more art projects are assigned with each unit to reinforce learning and assessment of learning. Assessment includes exams, projects, worksheets, and group work.

709 INDEPENDENT ART Prerequisite: Art I Credit: 1 Grade: 11,12

Independent art is a class that is for the student who has a schedule conflict or would like to continue their study of art. This class is offered to juniors and seniors only, who are approved by the instructor, and have taken an art class. Typically, this class is during another art class and the student must be self-motivated to work on

their own projects. The student taking this course will determine their large projects and sketchbook assignment

Business/Technology Department

501 Financial Literacy Credit: 0.5 Grade: Juniors

The Financial Literacy course will be looking at the following: financial responsibility, decision making. Soft skills, employment, taxes, insurance, banking (savings, checking, credit, debt, investments), consumer information, diversification of accounts, and other items related to finance. This course is a requirement for all students to take during High School as part of the Ohio Revised Code.

505 Skills Prep Credit: 0.5 Grade: 9-12

In this course, students will explore a variety of items including, but not limited to career and college readiness, basic computer instruction for transition to and after high school (skills using word processing, spreadsheets, and presentation software): soft skills such as job search, resume writing, job interview and everyday living skills: leadership and community engagement skills: financial literacy skills such as banking services, credit, insurance, investing, budgeting and taxes. Each student will have a job shadow experience time permitting.

650 Work Study *Must Apply* Credit: 1-3 based on hours worked Grade: 12

The course will provide on-the-job experience for eligible students who receive academic credit for on-site work experience under the direct supervision of a work-study coordinator. A signed contract will be required prior to the start of the program. The parent, work-study coordinator, and student must all be in agreement with the terms of the work-study program. **One credit will be earned for each 120 clock hours of on-site work completed.** The letter grade will be based on coursework provided by the teacher, and the grade is issued by the teacher of record. The goal of the work study program is to help enrolled students make the transition from high school by mastering skills that lead to academic, occupation, social, personal, recreational, and civic fulfillment. Students must have transportation to the job site.

A minimum of six hours must be worked per week.

***Ag Students will be under the supervision of the Ag Department**

Technology Department

Microsoft 101 Credit: 0.5 Grade: 9-12

This course will explore various Microsoft products including, but not limited to: Word, Excel, and PowerPoint. All are welcome to take the course. This will be .5 credit and could possibly pair with Financial Literacy or Skills Prep.

Microsoft Advanced Credit: 1.0 Grade: 9-12

This course will explore various Microsoft products including, but not limited to: Word, Excel, and PowerPoint to enable users to potentially earn a Microsoft seal/certification for graduation. There will be a fee involved to take the test to earn the seal or credential.

English Department

Four credits of core English classes are required for graduation. All courses are writing intensive. All students may be expected to purchase a paperback book during some classes.

100 English 9 Credit: 1 (CORE) Grade: 9

This course will provide students with a comprehensive understanding of English that will help them develop the total range of communication skills necessary for success. A major research project is required. All forms of literature will be studied.

100 College Prep English 9 *approval required* Credit: 1 (CORE) Grade: 9

This course is designed for students who are planning to attend a four-year college or university. A major research project is required. All forms of literature will be studied.

103 English 10 Prerequisite: English 9 Credit: 1 (CORE) Grade: 10

This course will provide students with a comprehensive understanding of English that will help them develop the total range of communication skills necessary for success. A major research project is required. All forms of literature will be studied.

104 College Prep English 10 *approval required*
Prerequisite: English 9 Credit: 1 (CORE) Grade: 10

Designed for students who are planning to attend a four-year college or University. A major research project is required. All forms of literature will be studied.

105 English Language Arts 11
Prerequisite: English 9, 10 Credit: 1 (CORE) Grade: 11

This course is a survey of American writing beginning with Native American folk tales and exploration narratives, advancing through Puritan writings. The course continues with the writers of the Revolution focusing on persuasive rhetoric, American Romanticism of the Fireside poets, and Transcendentalism. Finally, the course ends with the transition from American gothic to the poets Walt Whitman and Emily Dickinson covering the Realism of the Civil War. We move on to the expansion westward with regionalism and naturalism literature of Twain, London and Wharton. It continues with the poetry and writings of the Harlem Renaissance and Modernism through the contemporary literature of the present day. *A research paper is required for this course and will also include a speaking component.

106 English Language Arts 12
Prerequisite: English 9-11 Credit: 1 (CORE) Grade: 12

This course focuses on the study of British literature from 449 A.D. to 1798. Course study will include a variety of genres within British literature, as well as development of analytical and critical thinking skills. In this course students will study the life and times of William Shakespeare as well as read his plays and sonnets. This course will emphasize the use of classic British and American novels to encourage students to read widely, critically, and with greater depth. Students will be expected to think creatively and analytically as well as regularly participate in class discussions. A research paper is required for this course and will also include a speaking component

English Department Continued

112 Speech Prerequisite: None Credit: 0.5 Grade: 9-12

The student will learn oral communication skills, learn to organize ideas with clarity and will present speeches that help the student gain more confidence and poise while public speaking.

115 Mythology Prerequisite: None Credit: 0.5 Grade: 10 - 12

***Alternates years with Sports Lit**

This course is an in-depth look at the gods, heroes, myths and legends from past and present that have permeated today's literature and popular culture. Through literature, film, writing, and oral presentation, students will investigate and understand the ancient modern myths.

117 Sports Literature Prerequisite: None Credit: 0.5 Grade: 9 - 12

***Alternates years with Mythology**

Students will read and analyze sports related literature. Themes such as conflict and resolution, sportsmanship, friendship and the nature of failure and success will be explored in written and discussion formats.

118 Journalism Prerequisite: English 9 Credit: 0.5 Grade: 10 - 12

In this course students will learn about various aspects of journalism. They will learn basic interviewing skills and will learn to write basic news and feature stories. Students will learn to come up with story ideas, gather information from sources, and to write and edit news and feature stories. They will learn how to write leads for different types of stories, as well as learn how to write headlines. Students will also become familiar with the basic layout of a newspaper.

123 African Literature Prerequisite: English 9 Credit: 0.5 Grade: 10 - 12

***This course is offered every other year**

This elective course will cover African Literature that will concentrate on such themes as identity, cultural change, gender, and colonization. The literature studied will reflect the pre- and post-colonial realities that impacted Africans. Novels, poetry, short stories, and music will be used to understand the history and literature.

147 Self-Discovery Prerequisite: None Credit: 0.5 Grade: 10 - 12

Students will explore and study Sean Covey's book, *The 7 Habits of Highly Effective Teens*.

148 Fiction to Film Prerequisite: English 9 Credit: 0.5 Grade: 9 - 12

This is an elective English class that examines fictional works and their film adaptations. Readings may include short stories, poems, and novels. The class will then compare the literature to the media where clips and some full-length movies will be watched. The development of analytical and critical thinking skills related to literature and film will be assessed.

English Department Continued

Play Production I Prerequisite: Eng. 9 Credit: 0.5 Grade: 10 - 12

Students will learn oral, interpersonal, and public communication skills. Students will practice organizing and articulating ideas with clarity to improve their ability to communicate in 1-1, small group, and public speaking situations. Students' work will help them to gain confidence and poise in personal and professional settings.

Topics will include the history of theater, technical aspects, and communication skills. Students will participate in improv

*This course is offered in the fall

Play Production II

Prerequisite: Play Production I/Eng. 9 Credit: 0.5 Grade: 10 - 12

*Taken as the second part of Dramatics & Communication

Students will be given a preview of how much is involved in producing a play. Topics include the history of the theater, set design and construction, stage lighting, costuming, and make-up will also be studied. Students will participate in improvisations, pantomimes, and basic acting techniques. Students will be involved in some aspect of the high school spring production.

*This course is offered in the spring

508 Yearbook & CF Publications *Must Apply* Credit: 1.0 Grade: 09-12

This credit does not count as an English Credit toward graduation. Students must apply and meet the requirements in this elective course. In this interactive course, students will develop and publish the school newspaper and yearbook. All students will learn and participate in interviewing, researching, news writing, proper quoting, photography, proofreading, headlines and caption writing, sales, advertising, and financing. Class size is limited to no more than 12 students.

World Language Department

Four levels of Spanish are offered. Levels I and II should be taken during consecutive semesters to maximize retention and student success. Course work focuses on developing the four skill areas: listening, speaking, reading, and writing. The cumulative five-year sequence also emphasizes geography, history, literature and cultural awareness.

125 Spanish I *Recommended* Students must have a “C” in last English course
Credit: 1 Grade: 9 - 12

Designed to teach students to understand and make simple responses with written and conversational Spanish. Emphasis is placed on building a base of vocabulary, basic grammatical structures, and authentic literature. **It is strongly recommended that students take course 126 immediately following the conclusion of this course.**

126 Spanish II Prerequisite: Spanish I Credit: 1 Grade: 9 - 12

It is strongly recommended that students take this course immediately following the conclusion of course 125. Grammar is more strongly emphasized with a continued focus on authentic literature and composition. Instruction includes a deepening emphasis on culture and spoken Spanish.

127 Spanish III Prerequisite: Spanish II with “B” average/Teacher Rec.
Credit: 1 Grade: 9 - 12

Instruction will move at a faster pace than in the previous two courses. Grammar is honed at this level as well as a continued focus on authentic literature including short stories. Spoken Spanish will increase during this course on the part of both the instructor and the pupil. **This is an advanced course.**

128 Spanish IV Prerequisite: Spanish I - III w/ teacher recommendation Credit: 1
Grade: 10 - 12

This class is intended to prepare students to take Spanish V and/or College entrance exams in foreign languages. This course will complete the study of Spanish verb tenses, most intermediate-advanced grammar concepts, and expansion of vocabulary. Instruction will focus on both oral and written accuracy. The course will be conducted entirely in the target language and students will be expected to communicate both with fellow classmates and the teacher using only the Spanish language.

129 Spanish V Prerequisite: Spanish I - IV Credit: 1 Grade: 11 - 12

This course is a college level study of grammatical structures, vocabulary, and literature. Oral and written fluency will receive particular attention during this class. The sole means of communication for students and the teacher during this class will be the target language.

*Potentially offered every other year

124 Intro to Latin American Culture Prerequisite: None Credit: 1 Grade: 9 - 12

Students will appreciate Latin American culture by examining individual countries through film, literature, music, history, and art. This course will be primarily taught in English, and is designed to give students a basic understanding of the cultural aspects of Latin America. This course is also a good introductory course for students wishing to take a world language in the

future, but who are uncertain. This class is counted as an elective credit, and NOT a world language credit.

Family and Consumer Science Department

610 and 618 are Paired Classes

610 Basic Foods (Principles of Foods) Prerequisite: None Credit: 0.5 Grade: 9 – 12

In Basic Foods, students will have an introduction to a cooking, nutrition, and independent living in this course. Students will explore basic kitchen equipment, food safety, recipe measuring, food preparation skills, food groups, dietary guidelines, etiquette, and the skills and abilities necessary for living on their own. Students will evaluate factors that influence healthy lifestyle choices, including food choice, and use problem solving to ensure overall health. Students will go through a 5 Part Foods Handbook, while applying and practicing skills in cooking labs to assure knowledge and safety. Students will also take a statewide end of course online WebXam, created for Career Technical Education (CTE) programs, which counts towards graduation seals. *COURSE CAN ONLY BE TAKEN ONCE

618 Sewing Fundamentals (Textiles, Construction, and Maintenance)

Prerequisite: None Credit: 0.5 Grade: 9 – 12

Fundamentals is a quarter class paired with BASIC FOODS, equal to a semester, 1 credit hour course. In this sewing course, students will learn names and uses of basic sewing equipment and incorporate measuring, cutting, patterns, hand-sewing and machine sewing. Students are expected to complete 2-3 sewing projects including a hand sewn pincushion with a button, an apron to be later worn in the following Basic Foods course, and a 3rd project to be announced. Students will also take a statewide end of course online WebXam, created for Career Technical Education (CTE) programs, which counts towards graduation seals. *COURSE CAN ONLY BE TAKEN ONCE

616 and 619 are Paired Classes

616 Advanced Foods (Culinary Fundamentals) Prerequisite: Basic Foods Credit: 0.5 Grade: 10 – 12

Advanced Foods is a more intensive foods course than the prerequisite Basic Foods. Students gain knowledge and skills in acquiring and practicing the advanced fundamentals of nutrition and cooking techniques and methods, while furthering their independent living abilities. Students focus on the 6 major nutrients, food categories, and how to incorporate proper nutrition into their dishes. Students are also introduced to the fundamentals of recipe writing and interpretation, recipe conversions, as well as different types of menus, table etiquette, food presentation, food demonstrations, and food cultures and customs. Students learn how to properly utilize food, equipment, and utensils in a safe and sanitary manner with preparation techniques. Students will become more independent by researching a variety of ingredients and recipes to create in class and will also complete a professional cake decorating unit. Students will also take a statewide end of course online WebXam, created for Career Technical Education (CTE) programs, which counts towards graduation seals. *COURSE CAN ONLY BE TAKEN ONCE

619 Advanced Sewing (Textile Design, Construction, and Maintenance)

Prerequisite: Sewing Fundamentals Credit: 0.5 Grade: 11 – 12

In this sewing course, students will review names and uses of basic sewing equipment and review measuring, cutting, hand-sewing, and machine sewing. Students will also incorporate pattern design and sergers for finishing techniques on fabrics. Students will also be researching fashion, textiles, fabrics, designs, and economic costs in this field. Students are expected to complete 3 major sewing projects: a type of sweatshirt, a cartoon pillow kit, and two leadership/service-learning projects that will be donated to a local charity to be announced. Students will also take a statewide end of course online WebXam, created for Career Technical Education (CTE) programs, which counts towards graduation seals.

*COURSE CAN ONLY BE TAKEN ONCE

Mathematics Department

219 Applied Algebra I Prerequisite: None Credit: 2 Full Year Course (Covers 2 periods)
Grade: 9 *Students are placed here based on their 8th grade math teacher's recommendation

This course acquaints the student with fundamentals of higher math and builds a foundation for more advanced courses. It includes work with algebraic symbols, operations on real numbers and polynomials, factoring, solving equations and inequalities and graphing.

Required: Texas Instrument Scientific Calculator

222 Algebra I Prerequisite: None Credit: 1 Grade: 9

This course acquaints the student with fundamentals of higher math and builds a foundation for more advanced courses. It includes work with algebraic symbols, operations on real numbers and polynomials, factoring, solving equations and inequalities and graphing. **Required: Texas Instrument Scientific Calculator**

221 Financial Algebra Prerequisite: None Credit: 1 Grade: 11, 12

This course acquaints the students with the tools to become financially responsible young adults. The course employs algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics. **Required: Texas Instrument Scientific Calculator**

223 Geometry Prerequisite: 222 Credit: 1 Grade: 9, 10

Incoming freshmen at least a "B" in Alg. I

This unified course includes plane and solid geometry. Relationships between lines, planes, angles, characteristics of polygons, especially triangles and quadrilaterals will be taught. Logical reasoning, geometric constructions and practical applications are included. Properties of circles as well as basic probability will be covered. **Required: Texas Instrument Scientific Calculator**

220 Applied Geometry Prerequisite: Extended Algebra I
Credit: 2 Full Year Course (Covers 2 periods) Grade: 10-11

An "applied geometry" course focuses on using geometric principles and concepts to solve real-world problems, emphasizing practical applications in fields like construction, engineering, and design, often incorporating topics like area, volume, angles, similar triangles, right triangle trigonometry, and coordinate geometry, while utilizing problem-solving strategies to analyze and calculate measurements in practical scenarios; it typically places less emphasis on formal proofs compared to a standard geometry course.

Required: Texas Instrument Scientific Calculator

Mathematics Department Continued

224 Algebra II Prerequisite: 223 Credit: 1 Grade: 10 - 12

A comprehensive course that prepares students to use advanced algebraic concepts confidently in mathematics and in related disciplines. Algebra I skills are reviewed and new topics introduced. Graphing calculator skills and operations are taught. **Required: Texas Instrument Scientific Calculator**

225 Trigonometry/Pre-Calculus Prerequisite: 224 Credit: 1 Grade: 11 - 12

All areas of trigonometry, circle and triangle and trigonometric addition formulas are presented. Exponents and logarithms and techniques of equation solving are also covered. Conic sections and their applications are explored. These topics are applied to the calculator. **Required: Texas Instrument Scientific Calculator**

226 Algebra I Support Credit: 1/2-1 Grade: 9-12
*Student will be placed here based on teacher recommendation

Remedial Math is a course designed to support students that have not passed the Algebra 1 Ohio State Test. This course will review key Algebra 1 concepts and provide practice opportunities with small group or one-on-one teacher support. In class, we will utilize Delta Math, Desmos, OST practice tests and a variety of worksheets to review and improve understanding. Once students have retaken the Algebra 1 OST, concepts will be taught to support continued growth in other math courses. **This class does not fulfill any math graduation requirements.**

Additional Notes:

- Students that completed Algebra I in 8th grade have the option of taking Geometry or repeating Algebra I as a freshman. If the student retakes Algebra I, the grade is averaged with the previous Algebra I class. To take Geometry, students must have at least a “B” in Algebra I.
- Students may take two different math courses in the same year, in proper sequence, only during their junior or senior year.
- Students must take and pass Algebra II or Financial Algebra to graduate from Clear Fork High School.

College Prep

Algebra I & Algebra II
Geometry
Algebra II
Trig/Pre-Calculus or Financial Algebra
Calculus

Traditional Track

Extended Algebra
Financial Algebra
Geometry

Music Department

699 Auxiliary Band *must try out* Prerequisite: None Credit: 0.5 Grade: 9 - 12

Designed for students who wish to participate in the Flag or Majorette Corps in Marching Band.

700 Band Prerequisite: None Credit: 1 Grade: 9 - 12

High school band is the development of competent performers through good basic instruction and wholesome musical education. High school band continues the development of music appreciation and understanding through the study and performance of the best in band music. The high school band functions as a performance group to lend color and atmosphere to certain athletic events, community endeavors and school activities. High school band allows adequate preparation for those students who are music oriented and who may choose a music field as a life's work. High school band also provides students with an opportunity for worthy use of leisure time, an emotional outlet, and social interactions. **The first Monday in June is the deadline to drop Band from your schedule without penalty. Dropping Band after the first Monday in June will result in a withdrawal failure.**

701 Jazz Band Prerequisite: 700 Credit: 0.5 Grade: 9 - 12

Open to band students interested in jazz, swing, and pop music. Students perform at many school and community functions throughout the year. All jazz band members are required to be enrolled in marching/concert band class.

702 Concert Choir Prerequisite: None Credit: 1 Grade: 9 - 12

The concert choir offers an opportunity for all students to perform choral music. Objectives of this ensemble include learning correct vocal technique, improving music sight-reading skills, and learning to analyze and describe different styles of music from different time periods. We will strive to develop skills in 3-part and 4-part repertoire. Students will have at least two required performances throughout the school year.

703 Artisans Prerequisite: Admitted through audition only Credit: 1 Grade: 9 - 12

This auditioned ensemble offers students the opportunity to perform music more in the jazz and pop idiom as well as traditional choral music. Objectives of this ensemble include learning correct vocal technique, improving music sightreading skills, and learning to analyze and describe different styles of music from different time periods. We will strive to develop skills in 4-part repertoire and *a cappella* singing. Students will perform at many school and community functions (taking place during and outside of regular school hours) throughout the school year.

Music Department Continued

*Music History and Music Theory rotate every other year

713 Music History Credit: 1 Grade: 10 – 12

Enrolled in music or Teacher Recommendation; Offered in EVEN GRAD YEARS

The Clear Fork Music History course explores the development of music in Western Civilization from its beginnings in Ancient Greece through the 21st century. A few of the questions the class explores include: Why does modern musical theater sound so different from opera and why did it begin in the United States in the early 1900's? How did the political ideas of Thomas Jefferson and the founding fathers of the US influence the music of Beethoven? What happened when European and West African ideas about music started mixing in places like New Orleans? What ideas did Mozart and the founding fathers have in common? What makes American music sound American, German music sound German, etc.? Was the development of nationalistic music a symptom or a cause of the military build-up that led to World War I? Is music really a universal language? Where did the Blues, Jazz, and Rock music come from and what does this tell us about how American developed and eventually came to dominate the world? Is there really a line between "pop" culture and "high" culture? If so, who determines which category a piece of music belongs in? If there is such a line, did the Beatles cross it? Did John Williams really steal ideas from Gustav Holst when he wrote Star Wars? If you are interested in these kinds of questions; questions that ask where our music came from, what its role in human history is, and what that means for us as we live our lives surrounded by music, then music history would be a good course for you to take.

715 Music Theory Prerequisite: Teacher Recommendation Credit: 1 Grade: 10 – 12

Enrolled in Music or Teacher Recommendation; Offered IN ODD GRAD YEARS

Music Theory is a survey course designed to provide a general understanding of the basic elements of music and their application in performance. Topics covered include: scales, chord construction, harmony, rhythm, ear training and score analysis. The class provides practical information and training that will help any musician at any level of experience get the most out of their instrument/voice/ Incoming freshmen or students not currently enrolled in other high school music classes need approval from the teachers to register.

Physical Education and Health

One half credit of Health and one half credit of Physical Education are required for graduation.

802 Boys PE/803 Girls PE Physical Education Prerequisite: None Credit: 0.5
Grade: 9. This course is paired with Health

This class is required for graduation and includes information and participation in individualized sports. Students become aware of game rules, time regulations, and fair play. Various sports are discussed and played during this class. Students are tested about each sport.

800 Boys Health/801 Girls Health Prerequisite: None Credit: 0.5 Grade: 9

The health curriculum is designed to build a healthful attitude toward student's self-esteem family and peers. This course deals extensively with current health issues and will be studied in a manner helpful in dealing with problems of today's high school students. Topics include alcohol, drugs, tobacco, eating disorders, teenage pregnancy, and sexually transmitted diseases. Our goal is to help students build a healthful attitude for a lifetime.

804 Advanced Physical Education Prerequisite: BHPE/GHPE Credit: 0.5 Grade: 10 - 12

This class is open to grades 10-12. The student must have a "B" or better or a teacher recommendation in Physical Education I. This class will include Physical Fitness for Life and detailed sports. The focus in this class will be on performing as an individual.

805 Advanced Physical Education 2 Prerequisite: 804 Credit: 0.5 Grade: 10 - 12

This class is open to grades 10-12. The student must have a "B" or better or a teacher recommendation in Physical Education I. This class will include Physical Fitness for Life and detailed sports. The focus in this class will be on performing as an individual.

807 Exercise Science 1 Prerequisite: None Credit: up to 1 Grade: 9 - 12

This course is designed to enhance the physical performance level of the student. The main focus will be on improvement of quickness, agility, speed, explosive power, and strength. This course is targeted towards athletes.

*This course will be a Pass/Fail Class only - No letter grade will be awarded

808 Exercise Science 2 Prerequisite: 807 Credit: up to 1 Grade: 9 - 12

This course is designed to enhance the physical performance level of the student. The main focus will be on improvement of quickness, agility, speed, explosive power, and strength. This course is targeted towards athletes.

*This course will be a Pass/Fail Class only - No letter grade will be awarded

Science Department

Students must have at least one LIFE SCIENCE & one PHYSICAL SCIENCE. Students may earn a ½ credit Life Science for Agriculture I and a ½ credit Life Science for Agriculture II. *The third credit can be whatever the student chooses.

300 Physical Science Prerequisite: None Credit: 1 Grade: 9

Physical Science will fulfill the science requirement for graduation. This course covers the topics in chemistry, physics, and earth science as required by the Ohio state education standards.

Required: Scientific Calculator, Binder. This is a core/required course.

301 Biology (Life Science) Prerequisite: None Credit: 1 Grade: 9, 10

A beginning college prep course that will emphasize basic biochemistry, the structure and function of cells (including organelles and cellular respiration), fundamentals of genetics, evolution, and ecology. **This is a core/required course.**

302 Biology II (Life Science) Prerequisite: 301 Credit: 1 Grade: 10 - 12

This class is a college prep class going through a systematic classification of biology. It covers many different taxa (bacteria, fungus, protists, plants and simple animals) and compares them to the phylogenetic tree showing evolutionary relatedness.

303 Chemistry I (Physical Science) Prerequisite: 300, Alg 1 or Ext. Grade "C" or above Credit: 1 Grade: 10 Teacher approval), 11, 12

This course is designed to fulfill the requirements of a college prep science. Students should take Chemistry if they plan on going into the medical field, engineering or physics. The aim is to establish the fundamentals of matter and its properties and changes. Observational techniques, measurement, and mathematical application are implemented through regularly scheduled laboratory periods and cooperative learning. Some topics include: periodic table, reactions, chemical and physical properties, the atom, electron behavior, and acids and bases.

***Required: Scientific Calculator**

304 Chemistry II (Physical Science) Prerequisite: 303, (grade "C" or above) Credit: 1 Grade: 11, 12 teacher approval required

Chemistry II is designed to expose the college-bound student to in-depth studies of the concepts learned in Chemistry I. Atomic and molecular theories are studied early and strong emphasis is placed on modern concepts. There is an attempt to strengthen the problem-solving ability of the student with a greater emphasis on laboratory work. Topics such as acid-base titration, energy and kinetics, chemical equilibrium, electrolysis, organic chemistry, quantitative, qualitative and volumetric analysis are included. **Required: Texas Instrument Scientific Calculator, Binder**

Science Department Continued

305 Physics (Physical Science) Prerequisite: 300, 301, Algebra II Credit: 1 Grade: 11, 12

Physics is a physical science concerned with the relationship between matter and energy. The class includes the following areas of study: measurement, mechanics (motion and forces), thermal energy, sound, light (reflection, refraction, diffraction), electromagnetism (fields, currents, and circuits), and modern physics (atomic structure and nuclear reactions). This course prepares students for a variety of engineering career choices. **Required: Scientific Calculator**

306 Physical Geology (Earth Science) Prerequisite: 300 Credit: 1 Grade: 10 - 12

The study of physical geology deals with many fascinating and practical questions about our environment. What forces produce mountains? Why is our daily weather so variable? Is the climate really changing? How old is Earth and how is it related to the other planets in the solar system? What causes ocean tides? What was the ice age like? Will there be another? Can a successful well be located at this site? Physical Geology is an advanced high school level course, which satisfies the Ohio Core science graduation requirements of Ohio Revised Code Section 3313.603. This course uses an inquiry-based college laboratory experience that engages students in asking valid scientific questions and gathering and analyzing information. Physical geology incorporates chemistry, physics, and environmental science. It also introduces students to key concepts, principles and theories within geology. Investigations are used to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

307 Anatomy/Physiology I (Life Science) Prerequisite: 302, 303 Credit: 1 Grade: 11 - 12

It is designed to expose the college-bound student to in-depth studies of human anatomy and physiology. Topics covered include biochemistry, a review of cellular biology and some of the systems of the human body and their specific functions. This course is designed as a college level anatomy and physiology class for those students who are seriously pursuing a career in the medical field.

310 Astronomy (Earth Science) Prerequisite: 300 Credit: 1 Grade: 11 - 12

Astronomy is a study of the heavens, the realm extending from beyond Earth's atmosphere to the most distant reaches of the Universe. Within this space we find an amazing diversity of planets, stars, and galaxies. Even more amazing are the objects themselves: planets with dead volcanos whose summits dwarf Mount Everest, stars a hundred times the diameter of the Sun, and galaxies- slowly whirling clouds of stars- so vast that they make the Earth seem a grain of sand.(Arny + Sand, Explorations 10th edition)

Astronomy is an advanced high school course. This class provides a broad survey of the field of astronomy. Astronomical investigations are highlighted from ancient peoples to the most modern methods, which are explored within the internet and other resources. Cultural history and relevance is emphasized in the sections on observational astronomy and astronomy and society. The class will use blended learning with chrome books, assignments based on Stellarium software.

Science Department Continued

312 Zoology (Life Science)

Prerequisite: 302

Credit: 1

Grade: 11 - 12

This class is a college prep class going through a systematic classification of the biology of animals. It covers many different taxa including fish, amphibians, reptiles, birds, and mammals. This class is comparable to a zoology class incorporating many dissecting labs to compare the morphology of the many taxa of animals.

318 Intro to Renewable Energy Prerequisite: None Credit: 0.5 Grade: 10 - 12

Interested in transforming energy? With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Energy and Technologies course, you will learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high capacity batteries and smart electrical grids through the use of project based learning. You'll also learn more about the environment and social effects of renewable technologies.

322 Exploring Anatomy and Physiology Prerequisite: 301 Credit: 0.5 Grade: 10 - 12

This course is designed as an alternative to Anatomy and Physiology I for students who may not be interested in a college level course but are interested in the human body and some of the systems of the human body. The pace and depth of material will not be as intense as Anatomy and Physiology. 1. Topics covered might include Histology, Integumentary System, Skeletal System, Muscular System, Cardiovascular System, Respiratory System, Reproductive System, and Embryology.

Science Inquiry Prerequisite: 301 Credit: 0.5 (1/2 year, 40 minute course) Grade: 10 - 12

Science Inquiry is a course where you'll embark on a journey of discovery through four inquiry-based projects. Each project follows the scientific inquiry process: asking questions, conducting research, forming hypotheses, experimenting, and drawing conclusions. You'll learn to design experiments, analyze data, and present findings clearly. This hands-on approach enhances your understanding of scientific principles and develops critical thinking skills. This course is designed to spark your curiosity and deepen your understanding of scientific concepts by exploring topics that interest you.

Forensics Prerequisite: 301 Credit: 0.5 Grade: 10 - 12

Interested in the science behind crime scene investigation? This course offers students an engaging exploration into the science of criminal investigation and the application of forensic techniques. Through hands-on activities, laboratory experiments, and collaborative projects, students will develop essential skills in observation, analysis, and problem-solving. Designed for students interested in the intersection of science and law, this course will cover a variety of topics combining biology, chemistry and physics based topics.

Social Studies Department

Three credits in Social Studies are required for Graduation. *Electives may not count for social studies credit toward graduation.

401 Modern World History Prerequisite: None Credit: 1 Grade: 9

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

402 American History Prerequisite: 401 Credit: 1 Grade: 10

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

403 American Government/Economics Prerequisite: 402 Credit: 1 Grade: 11 - 12

This class will be an in-depth look at the historical foundations of our unique political system. Through the use of primary source materials and classroom activities, students will learn how our system of American Constitutionalism developed. They will also learn and understand the functioning by which our government operates on a day to day basis and their role in that political process. In addition they will also learn about the Ohio Constitution and the role of the state in our unique brand of federalism. The class will conclude with a basic study of economics, the U.S. market system and the impact of government intervention into that system.

Social Studies Department Continued

405 U.S. Civil War (elective) Prerequisite: 401, 402 Credit: 0.5 Grade: 11 - 12

This course will be a study of the U.S. Civil War. Students will learn about the causes of the war, the sectional differences between regions of the U.S. that contribute to the war and the political developments leading to the war. Students will also study the prosecution of the war and the ramifications of the war on the future U.S. The course will consist of a number of outside reading, lectures, and student research. **This course is offered every other year**, opposite of the Vietnam course.

406 The Holocaust (elective) Prerequisite: 401, 402 Credit: 0.5 Grade: 11 - 12

This course will be a study of the Holocaust in Germany prior to and during WWII. The students will learn of the rise of Nazi Germany and its relationship to the beginnings of the Holocaust. Themes such as propaganda, social control and prejudice in society will be discussed. This course will consist of a number of outside readings, lectures, audio/visual media and student research. **This course is offered every year.**

**** 407 and 408 are a paired course. Recommended to take before CCP**

407 Sociology (elective) Prerequisite: 402 Credit: 0.5 Grade: 10 - 12

Sociology deals with men and women as social beings and as members of a complex and changing society. The subjects covered in this course include: deviance, social control, race, ethnicity, religion, education, family structures, political institutions, and economic institutions. The goal of this course is to help students better understand themselves and their society by developing an open mind which enables them to listen and to evaluate the ideas of others.

408 Psychology (elective) Prerequisite: 402 Credit: 0.5 Grade: 10 - 12

Psychology deals with several aspects of human life as it relates to thinking and functioning in society. The units will include a basic background of psychology, psychological studies, brain/body functions, child development, adolescence, adulthood/aging, gender differences, how to deal with stress and conflict, and mental disorders and their treatment. The goal of the course is to help students develop a better self-understanding and improved relationships with others.

411 World Geography (elective) Prerequisite: None Credit: 1 Grade: 10 - 12

Description: Students in this course will be required to learn the locations of countries and physical landforms throughout the world. Map reading will be a key element to this course. Students will also be looking at the social, cultural, economic, political, and geographical aspects of each continent and various countries throughout the world. Students will learn historical aspects that shaped particular countries and current events that are shaping the way the people of those countries live today. The goal of this class is for students to become more familiar with the world physically, culturally, and geographically.

Social Studies Department Continued

412 U.S. In Vietnam (elective) Prerequisite: 401, 402 Credit: 0.5 Grade: 11 - 12

This course will be an interpretation of the complex involvement of the United States in Vietnam. It will explore the many different facets of American involvement including military, political and social issues. There will also be an exploration into the history of Vietnam and their perspective of the war. Themes will cover the domestic response within the U.S. as well as the lessons and legacies of the conflict. Historical interpretations will be conveyed through a number of disciplines including reading, lectures, guest speakers, film and a variety of other sources. This class is offered **every other year**, opposite of the Civil War course.

**** Course 413 and 414 are a paired course**

413 Current Events (elective) Prerequisite: 401 Credit: 0.5 Grade: 10 - 12

This course is designed to give students an overview of world events which are happening in today's society. Students will also research past historical events and compare how they relate with present day.

414 Economics (elective) Prerequisite: 401 & 402 Credit: 0.5 Grade: 11 - 12

This course will cover the concepts of microeconomics, macroeconomics, and comparative economics. During the course the students learn how microeconomics deals with markets, prices, and business competition. This course will also explain how macroeconomics manages the Nation's Economy, and how the U.S. economy relates to the International economy.

**** Course 415 and 416 are a paired course**

415 Entertainment History (elective) Prerequisite: 401 & 402 Credit: 0.5 Grade: 10 - 12

This course will be a study of the past, present and future, of People, Products and Inventions, that impact our everyday lives. The goal of this course is for students to better understand how entertainment, and its need to continuously improve, have brought us to our modern lives and what the future of entertainment may be. Students will participate in discussions and presentations of historical development, current trends and future possibilities that surround the world of entertainment.

416 Sports History (elective) Prerequisite: 401 & 402 Credit: 0.5 Grade: 10 - 12

This course will be a study of the past, present and future, of People, Products and Inventions, that impact our everyday lives. The goal of this course is for students to better understand how entertainment, and its need to continuously improve, have brought us to our modern lives and what the future of entertainment may be. Students will participate in discussions and presentations of historical development, current trends and future possibilities that surround the world of entertainment.

STEM/Robotics Department

850 Robotics

Prerequisite: None Credit: 1. Grade: 9 - 12

Welcome to Robotics. This course will instruct students on how to build, code, and manipulate technology to accomplish specific tasks. Students will have to use mathematics, physics, and logic to troubleshoot problems as they go along. Problems with constraints will challenge students to work collaboratively with their partner to find best-fit solutions. Students will apply the knowledge and skills necessary to program and operate Robots. The Students will learn robotic operations and system configurations. Students will code, compile, and debug programs using the robotic programming language, which is based on Block, C++, and Python.

851 Computer Science Principles

Prerequisite: None Credit: 1. Grade: 9 - 12

Welcome to Computer Science Principles. This course addresses computer science topics that include problem-solving strategies, organization of data, algorithmic thinking and programming, analysis of potential solutions and the impacts of computing. Students use computational thinking skills and tools to solve problems and create programs. Effective communication and collaboration skills are developed as students work individually and in-group explorations. Coding is mainly in JavaScript.

852 Engineering Design

Prerequisite: None Credit: 1. Grade: 9 - 12

Welcome to Engineering Design. The focus of Engineering Design is the application of the engineering design process. Topics include orthographic design, isometric design, design optimization, and interior design mapping. Students will use 2D and 3D modeling software to help them design solutions to solve proposed problems, document their work, and communicate solutions. Additionally, students will interpret industry prints, and create working drawings from functional models. Emphasis is given to precise measurement and correct annotation of those measurements. This course mainly uses AutoCAD.

Vocational Agriculture Department

Agricultural Science I and II must be taken, and passed, for a full credit to be awarded in Life Science.

593 Business Management for Agricultural and Environmental Systems (Welding & Metals I) Prerequisite: None Credit: 1. Grade: 9 - 12

Business Management for Agricultural and Environmental Systems - Subject Code: 010115

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. Each of these topics will be explored from a metal fabricators perspective with the primary application being Shielded Metal Arc Welding (Stick Welding). Other applications covered will include, Gas Metal Arc Welding (MIG), Oxy-Acetylene, and plasma. Throughout the course, students will apply concepts of ethics and professionalism with a focus on safety.

594 Agricultural and Environmental Systems Capstone (Welding & Metals II)
Prerequisite: 593 and one of the following: 597, 598, 605 Credit: 1. Grade: 9 - 12

Agricultural and Environmental Systems Capstone - Subject Code: 010190

Students will build upon the topics learned in Welding 1 as they relate to the Agricultural and Environmental Systems program. Knowledge and skills will be developed in a more comprehensive and authentic way. This class will use project/problem-based learning for students to benefit themselves and others. Further exploration of metal fabrication will take place, including Gas Tungsten Arc Welding (TIG), sheet metal fabrication, milling, lathe fabrication, and CNC operation. Throughout the course, students will apply concepts of ethics and professionalism with a focus on safety.

596 Landscape Hardscapes (Construction) Prerequisite: None Credit: 1. Grade: 9 - 12

Landscape Hardscapes - Subject Code: 010640

Students will learn skills in constructing and installing hardscapes. Topics include basic principles of building and implementing designs drawn and drafted from computer-aided designs and blueprints. Students will learn about artificial lighting, water systems, framing and wood structures, and concrete features on job sites. Throughout the course, business management practices, employability skills, and safety procedures will also be emphasized.

597 Urban Forestry (Woods) Prerequisite: None Credit: 1. Grade: 9 - 12

Urban Forestry - Subject Code: 010740

Students will engage in the introductory skills utilized in working with various wood construction materials. They will learn to use basic measuring tools, hand tools, and machines that are common to the wood industry as well as how to use them to construct basic projects. Additionally, students will examine principles of soil management, dendrology and pest management to promote the care and management of trees for residential and commercial purposes. Furthermore, students will develop short and long-range management plans that balance environmental and economic goals supporting sustainable land use patterns. Students

will also apply principles of rigging, advanced rope techniques, and chainsaw applications for tree pruning and removal. Throughout the course, students will learn components of site and personal safety.

Vocational Agriculture Department Cont.

598 Turf Science (Engines & Mechanical Systems) Prerequisite: None Credit: 1
Grade: 9 - 12

Landscape Systems Management - Subject Code: 010615

The course deals with such topics as energy transfer, machines, automotive mechanics, power transmission methods, and small engine service as it relates to landscape management systems. The lab portion of the class relates engine theory and actual work on small engines provides an opportunity to use what is learned. Energy efficiency as it relates to machines and engines is explored, and basic automotive maintenance procedures are discussed. Additionally, students will apply proper planting, fertilizing, and pruning techniques while safely operating well maintained specialized equipment. Throughout the course, students will assess implications of landscape installation on the environment, communication and business skills, and learn components of site and personal safety.

605 Agricultural Science I Prerequisite: None Credit: 2 Ag/0.5 Life Science Grade: 9 - 12

Agriculture, Food and Natural Resources Subject Code: 010105

This is an introduction course to Applying principles of anatomy and physiology, nutrition, reproduction, health, genetics, behavior, and training to the production and management of animals raised in both a domesticated and/or natural environment. Planning, implementing, managing, and/or providing support Services to the selection, reproduction, health, marketing, record keeping, care, sanitation, and waste management of animals. Basic shop skills in woodworking and Agricultural and industrial diagnostic operations are introduced. Students have an opportunity to gain a competitive edge by learning about FFA through participation in career development events, public speaking, and parliamentary procedure. All students participate in a supervised agricultural experience (SAE).

606 Agricultural Science II Prerequisite: 605 Credit: 2 Ag/0.5 Life Science Grade: 10 - 12

Animal and Plant Science Subject Code: 010125

Livestock Selection, Nutrition and Management Subject Code: 010920

Students will apply knowledge of animal and plant science to the agriculture industry. 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. Topics also include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students learn shop skills in welding, advanced leadership skills in public speaking, parliamentary procedure, record keeping, and career development events. Time allotted is spent in hands on laboratory environments with students applying principles and skills they have learned. All students participate in a supervised agricultural experience (SAE) and encourage FFA participation.

Vocational Agriculture Department Cont.

607 Agricultural Science III Prerequisite: 606 Credit: 2 Grade: 11 - 12

Animal Anatomy and Physiology Subject code: 010945

Global Economics and Market Food Subject Code: 010130

Students will study internal and external anatomical parts, their functions, and will investigate the relationship among the parts and systems within the body of animal. Throughout the course, students will apply the internal functions of anatomical structures to the business and industry principles of the animal industry. An introduction to economic principles related to agriculture, food, and natural resources along with the operation and use of commodity futures and option markets. Also covered are economic principles with emphasis on their application to the solution of agricultural industry problems. They will examine future exchanges and commodity futures contracts, hedging strategies, as well as put and call options. Throughout the course, students will familiarize with the causes and consequences of economic growth, globalization and development. Participation in FFA is also encouraged.

608 Agricultural Business Operations Prerequisite: 607 Credit: 2 Grade: 11 - 12

Business Management for Agricultural and Environmental Systems Subject Code: 010115

Agricultural and Environmental Systems Capstone Subject Code: 010190

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. Students demonstrate shop skills in welding and woodworking. Advanced leadership skills in public speaking, parliamentary procedure, record keeping, and career development events and FFA participation.

611 Agricultural Communications & Leadership Prerequisite: None Credit: 1 Grade: 9 - 12

*This course is only offered every other year

Agriculture and Environmental Systems Capstone 010190

Have you ever wondered how you can become a great leader? Are you interested in communicating with the world through internet media? Do you strive to overcome your fear of public speaking? Then Agriculture Communication and Leadership is the class for you! (This will count as your speech credit)

Vocational Agriculture Department Cont.

612 BioTech (Changing Plants and Animals) Prerequisite: None Credit: 1 Grade: 9 - 12

Animal and Plant Bio Technology: 012010

Animals and Plants have been changing for thousands of years, in this class we will explore how the animals and plants have been changed, the cultural view of the changes, and participate in hands on activities that will allow students to actually change and grow plants of their own. Students will also learn about gene transfer and micro culture. This class will teach technology used in both the areas of crime scene investigations, and medical research. **This class counts as one (1) life science credit.**

613 Nature, Wildlife, and Fish Studies Prerequisite: None Credit: 1 Grade: 9 - 12

Environmental Science for Agriculture and Natural Resources 010720

Do you enjoy the great outdoors? Are you interested in learning more about wildlife, fishery science, forest management, soil conservation and survival skills? Do you care about the environment or hope to pursue a career in engineering, environmental sciences or work outdoors? Then this course will be perfect for you. This class will include a field trip to hike and study the great outdoors, and a trip to study the process of aquaculture and fish science.

614 Veterinary Science Prerequisite: None Credit: 1 Grade: 9 – 12

Animal Health Subject Code: 010915

Have you ever wondered about the behavior of your animal, or how to tell when it is sick? In this class you will develop knowledge of veterinary pharmacology, radiology and imaging techniques, principles of surgery, safe laboratory skills. At the end you will be able to describe causes, symptoms, and treatment of common diseases with special emphasis on developing preventative health management plans and breeding programs. (This is a great class to take if you are interested in studying animals or human medicine in college; or if you just love animals and would like to learn more about them!)

630 Agricultural Work Study Prerequisite: 608 Credit: 1-3 based on hours Grade: 12
Students will be awarded a Pass/Fail Grade, and credits calculated based on hours worked

Agricultural and Environmental Systems Capstone Subject Code: 010190

Students that have successfully passed Ag Science III and who are unrolled in Ag Business Operations are eligible. This is for agricultural related jobs only. The course will provide on-the-job experience for eligible students who receive academic credit for on-site work experience under the direct supervision of a work-study coordinator. A signed contract will be required prior to the start of the program. The parent, work-study coordinator, and student must all be in agreement with the terms of the work-study program. One credit will be earned for each 120 clock hours of on-site work completed. The letter grade will be based on coursework provided by the teacher, and the grade is issued by the teacher of record. The goal of the work study program is to help students enrolled in agricultural classes make the transition from high school by mastering skills that lead to academic, occupation, social, personal, recreational, and civic fulfillment. Students must have transportation to the job site. A minimum of 6 hours must be worked per week.

College Credit Plus Program

The College Credit Plus Program provides you with an opportunity to take classes at eligible post-secondary institutions for high school and college credit. The purpose of the program is to promote rigorous academic pursuits and to provide a wider variety of options to high school students who are intellectually and academically capable of successfully completing college level work. You must be admitted to a participating post-secondary institution. Each institution has special entrance requirements you must meet before you can take courses.

Business

510 Intro to Business & Entrepreneurship Credit: 1 High School/3 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School.

BUSM 1010 - The student will be given a broad view of business while introducing the importance of entrepreneurship. This view will include determining the interactions that businesses and entrepreneurs have with the business environment (global and local). Additionally, the course introduces the key functions of business to include management, operations and quality, human resources, marketing, finance, accounting, and risk management.

Prerequisite(s):

Take READ-0080 or COMPASS reading score of 80 or ACT score of 18.

511 Supervision Credit: 1 High School/3 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School.

BUSM 1030 - This course is an introduction to the supervisor's role in management. Challenges for supervisors include: planning and problem solving; organizing, staffing, training; leading; and working with individuals and teams along with controlling costs and improving results. Supervision provides a basic understanding of the new role requirements in business organizations. A strong focus of this class is application of sound supervisory principles through role-plays and hands-on practice with real-world scenarios. **Prerequisite(s): Take READ-0080 or COMPASS reading score of 80 or ACT reading score of 18.**

History

420 Amer. Culture & Hist. to 1877 Prerequisite: 401 & 402 Credit: 1 High School/3 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School.

HIST 1010 - This American Studies course is an introductory survey course covering the development of American politics, law, religion, philosophy, art and literature from 1600 to 1877. The goal of the course is to help students understand the cultural development of the United States especially in relation to its religion, art, philosophy, law, and political system.

College Credit Plus Program Continued

421 Amer. Culture & Hist. from 1877 Prerequisite: 401 & 402 Credit: 1 High School
3 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School.

HIST 1030 - 3.0 Credits; 3.0 Lecture Hours This American Studies course is an introductory survey course covering the development of American politics, law, religion, philosophy, art and literature from 1877 to the present. The goal of the course is to help students understand the cultural maturity of the United States especially in relation to its religion, art, philosophy, law, and political system.

Criminal Justice

Intro to Criminal Justice Prerequisite: None Credit: 1 High School/
3 Semester Hours College

This course introduces the student to the American System of Criminal Justice including growth and historical development. Emphasis will be placed on the criminal justice subsystems of law enforcement, corrections, courts, the Ohio court structure, and the juvenile justice system. In addition, this course will examine the ethical, professional, and legal issues confronting the criminal justice professional.

Science

308 General Physics I Prerequisite: Algebra I Credit: 1 High School/4 Semester Hours
College

This course is sponsored by **North Central State College** and taught at Clear Fork High School.

PHYS 1110 - A study of Classical Newtonian Mechanics including measurement systems, dimensional analysis, vectors, scalars, linear, circular and rotational motion, forces in equilibrium, acceleration, work, and energy. A study of material properties including density, and hydraulic principles (both static and kinetic). Also a study of waves, and sound including simple harmonic motion, vibrations, reflection, transmission, interference, and resonance for waves, and intensity, sources, interference, and Doppler Effect

CCP Chemistry I (CHEM 1210) Prerequisite: HS Chemistry; C- or higher Credit: 1 High
School/5 Semester Hours College

This is the first semester of chemistry for science majors or pre-professional students. A quantitative introduction to dimensional analysis with significant figures, atomic structure, the molecule, principles of ionic bonding, stoichiometry, chemical solutions, thermochemistry, classification of elements including periodicity, electron configuration, gasses, liquids and solids. Students will be exposed to applications of chemistry in society. This class also includes a lab.

CCP Chemistry II (CHEM 1220) Prerequisite: Chem 1210 Credit: 1 High School/5 Semester Hours College

This is the second semester of chemistry for science majors or pre-professional students. A quantitative introduction to intermolecular forces, phase changes, colligative properties, chemical kinetics, chemical equilibrium, acid-base equilibria, thermodynamics, electrochemistry, organic chemistry, and nuclear chemistry. Students will be exposed to applications of chemistry in society. This class also includes a lab.

Agriculture Science

631 Introduction to Animal Science Prerequisite: None Credit: 1 High School/3 Semester Hours College

This course is sponsored by **The University of Findlay** and taught at Clear Fork High School. **ANSC 131** - This course is designed to introduce students to the various species of domestic livestock to develop a deeper appreciation of the animal agriculture industry and the animal sciences. Topics include animal anatomy and physiology, breeding and genetics, nutrition, general management practices, and other subjects of special interest.

632 Agriculture Management Prerequisite: None Credit: 1 High School/3 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School.

AGRI 1210 This course is designed to introduce students to Agricultural Management principles in relation to the evolution of agriculture, technology, recording keeping, agricultural laws, urban agriculture, and social issues. Students will create and present a business plan and budget relating to their field of agriculture.

633 Capstone Business Plan Prerequisite: None Credit: 0.33 High School/1 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School.

AGRI 2130. This course will allow students to develop a foundational plan that will allow them to strategically lead the development of a business. This course will address all aspects of a business from establishment including daily decision making to expansion, diversification, and evaluation of the business.

English

113 English 1010 Prerequisite: None Credit: 1 High School/3 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School. This is a basic course in expository writing and critical reading. Students read a variety of nonfiction works and write summaries, analysis, essays, and a researched argument in response to their reading. Students learn to read actively and accurately and to organize, develop, and revise coherent papers appropriate for a college-educated audience.

114 English 1030 Prerequisite: None Credit: 1 High School/3 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School. This is a course in argument and research writing. Students read issue-based works and write summaries, responses, and an argument and research paper. Students learn to organize research projects, find and evaluate sources, incorporate ideas and quotations from sources, document their sources in MLA and APA style, analyze and use argumentative strategies and persuasive appeals, and prepare and revise effective, coherent papers.

Social Sciences

419 Introduction to Psychology Prerequisite: None Credit: 1 High School/3 Semester Hours College

This course is sponsored by North Central State College and taught at Clear Fork High School. Introduction to Psychology is an introductory level course and is a study of the basic human behavior. Topics include the history of psychology, scientific methods, biological processes, cognitive processes, sensation and perception, consciousness, learning, intelligence, human development, personality theory, psychopathology and treatment, stress and health, and social psychology. Please note outcomes are written to OBR standards using OBR language. Ohio Articulation Number OSS015. This course meets the requirements for OTM in Social and Behavioral Science TMSBS

418 Introduction to Sociology Prerequisite: None Credit: 1 High School/3 Semester Hours College

This course is sponsored by **North Central State College** and taught at Clear Fork High School. Introduction to the theoretical foundations and methods used to gather, interpret, and evaluate data in sociology. Insight into how society is organized by focusing on the structure and function of social institutions, the impact of culture and socialization on individuals and groups, and systems of stratification among various racial and ethnic, social class, gender and sexuality groups. Please note outcomes are written to OBR standards using OBR language. Ohio Articulation Number OSS021. This course meets the requirements for OTM in Social and Behavioral Science TMSBS.

Human Growth & Development Prerequisite: Introduction to Psychology Credit: 1 High School/3 Semester hours

This course presents an overview of the total life span of human growth and development from conception through old age. It begins with a study of the major theories of human development and includes an examination of the dynamics of human growth in five areas: physical, intellectual, personality, social and moral. The developmental tasks and behavioral characteristics of eight stages of human growth are examined, ending with a brief treatment of death and dying. Please note outcomes are written to OBR standards using OBR language. Ohio Articulation Number OSS048. This course meets the requirements for OTM in Social and Behavioral Science TMSBS

Math

STATS 1010 Probability and Statistics Prerequisite: None Credit: 1 High School/3 Semester Hours College

This course provides the student with an overview of probability and statistics. Probability terminology, concepts and rules are emphasized in solving probability problems. Descriptive statistics, including measures of central tendency and dispersion, charts, tables and diagrams are used to summarize data. The student is introduced to the binomial, Poisson, hyper-geometric, normal and t-distributions. Confidence intervals, hypothesis testing, correlation, and linear regression are used to make conclusions concerning population parameters from sample data. This course meets the requirements for OTM Introductory Statistics TMM010.

MATH 1050 (Calculus I) Prerequisite: None Credit: 1 High School/3 Semester Hours College

A study of analytic geometry, limits, continuity, the derivative, basic differentiation rules, rates of change, the product and quotient rules, higher-order derivatives, the chain rule, implicit differentiation, related rates, extrema on an interval, Rolle's Theorem and the Mean Value Theorem. Function analysis includes increasing and decreasing functions and the first derivative test, concavity and the second derivative test, limits at infinity and curve sketching. Concluding topics include anti-derivatives, indefinite and definite integrals, the Fundamental Theorem of Calculus, and integration by substitution.

Remote CCP Program

These courses are taught in real time at Madison High School. Clear Fork partners with Madison so students can livestream lectures and class lessons.

MATH 1110 College Algebra - 4 Credit Hours 1 High School Credit

A study of: 1) polynomial operations, rational expressions, exponents, radicals; 2) linear and quadratic equations, inequalities, absolute value applications and their graphs; 3) graphs of elementary functions and non-functions including inverse functions, combining functions, and translating and transforming functions; 4) study of polynomial functions including the Fundamental Theorem of Algebra, zeros of polynomials, rational functions, partial fractions; 5) exponential and logarithmic functions including graphs and applications; 6) Gauss-Jordan elimination and Cramer's Rule. This course meets the requirements for OTM College Algebra TMM001.

MATH 1130 Trigonometry - 4 Credit Hours 1 High School Credit

This course includes the study of trigonometric functions and inverse trigonometric functions and their graphs; solutions of right and oblique triangles and their applications; solutions of trigonometric equations and inequalities; the use of identities, vectors, and complex numbers; and solutions of polar equations and parametric equations. Students must supply a graphing calculator. This course meets the requirements for OTM Trigonometry TMM003.

MATH 1150 Calculus 1 - 5 Credit Hours 1 High School Credit

A study of analytic geometry, limits, continuity, the derivative, basic differentiation rules, rates of change, the product and quotient rules, higher-order derivatives, the chain rule, implicit differentiation, related rates, extrema on an interval, Rolle's Theorem and the Mean Value Theorem. Function analysis includes increasing and decreasing functions and the first derivative test, concavity and the second derivative test, limits at infinity and curve sketching. Concluding topics include anti-derivatives, indefinite and definite integrals, the Fundamental Theorem of Calculus, and integration by substitution. Applications include optimization problems, Newton's method, differentials, and areas of planar regions. This course meets the

requirements for OTM Calculus I TMM005. If combined with MATH 1151, it meets the requirements for OTM Calculus I & II sequence TMM017.

MATH 1151 Calculus 2 - 5 Credit Hours 1 High School Credit

This course is a continuation of MATH1150 Calculus I. Topics include integration and applications, calculus of exponential and logarithmic functions, hyperbolic functions, methods of integration, integration by parts, indeterminate forms and L'Hôpital's Rule, moments and centers of mass, fluid pressure and force, integration techniques, series including Taylor and Maclaurin, calculus of conics, calculus of parametric equations, and polar forms of conic sections including Kepler's Laws. This course meets the requirements for OTM Calculus II TMM006. If combined with MATH 1150, it meets the requirements for OTM Calculus I & II sequence TMM017.

STAT 1010 Probability & Statistics - 3 Credit Hours 1 High School Credit

This course provides the student with an overview of probability and statistics. Probability terminology, concepts and rules are emphasized in solving probability problems. Descriptive statistics, including measures of central tendency and dispersion, charts, tables and diagrams are used to summarize data. The student is introduced to the binomial, Poisson, hyper-geometric, normal and t-distributions. Confidence intervals, hypothesis testing, correlation, and linear regression are used to make conclusions concerning population parameters from sample data. This course meets the requirements for OTM Introductory Statistics TMM010.

Intervention Courses

Specifically designed course program or set of steps to target an academic need per legal documentation

922 American History Credit: 1

Social Studies II will be a continuation of Social Studies I from the years 1919-present.

923 American Government Credit: 1

This course involves the study of our government and economic system.

901 Extended Algebra I Credit: 2

This course acquaints the student with fundamentals of higher math and builds a foundation for more advanced courses. It includes work with algebraic symbols, operations on real numbers and polynomials, factoring, solving equations and inequalities and graphing.

902 Geometry Credit: 1

This course acquaints the student with the basic definitions and characteristics of geometry: lines, planes, angles, triangles, and quadrilaterals. Incorporated in the course will be logical reasoning. Transformations will also be explored. The aspects of plane and solid geometry with area, surface area, and volume will also be learned. The relationships of lines and angles, and the characteristics of polygons are further studied. Logical reasoning, geometric constructions, and practical applications are included.

903 Financial Algebra Credit: 1

This course acquaints the students with the tools to become a financially responsible young adult. The course employs algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics.

909 English 9 Credit: 1

This class will study various forms of literature, including poetry, the short story, novels, a Shakespearean Drama, and basic forms of nonfiction. In addition, listening and thinking skills will be emphasized in an attempt to achieve better oral communication.

910 English 10 Credit: 1

Various forms of literature are studied including poetry, the novel, short story, drama, non-fiction, an essay, biography, and autobiography. Composition will include use of the writing process. Emphasis is placed on exposition and persuasive essays.

Intervention Courses Continued

**** 911 and 912 are offered together**

911 English 11 Credit: 1

This course is designed to emphasize composition skills including descriptive, expository, narrative, and argumentative essays. This junior-level course will build on the skills introduced in English 10.

912 English 12 Credit: 1

This course will provide students with a comprehensive understanding of business English that will help them develop the total range of communication skills necessary for success in the business world of today. Students will learn real life English skills that will benefit them after high school.

905 General Science Credit: 1

This course is designed to meet the state life or biological science requirement.

906 General Biology Credit: 1

This course investigates cell biology, biological chemistry, vertebrate and invertebrate zoology, human, biology, botany, and genetics.

907 Physical Science Credit: 1

Students will develop and apply their scientific literacy by studying the interrelationship of humans to Earth's interior, land, sea, air, and space. Meets the physical science requirement.

Knox County Career Center

Students considering a Knox County Career Program Physical Education and Health by the end of their sophomore year.

- AUTOMOTIVE TECHNOLOGY (Tech Prep Program)
- BUILDING TRADES
- COLLEGEU-BUSINESS
- 10132COLLISION REPAIR
- COMPUTER NETWORK TECHNOLOGY
- COSMETOLOGY
- CULINARY ARTS
- DIGITAL MEDIA AND SOFTWARE DEVELOPMNET
- EARLY CHILDHOOD EDUCATION
- HEALTH TECHNOLOGIES (Tech Prep Program)
- HOSPITALITY
- LANDSCAPE DESIGN AND MANAGEMENT
- METAL FABRICATION & WELDING
- PRECISION MACHINING
- PRE PROFESSIONAL MENTORSHIP
- SPORTS MEDICINE & EXERCISE SCIENCE
- S.T.A.R.T. (Skilled Trades Aptitude Readiness Training)
- TEACHER ACADEMY (Grade 12)
- CAREER BASED INTERVENTION (CBI)

9 Week Class Options

Historical/Retired Offerings

806 CRP/Wellness