

# Chillicothe High School 2023-2024

## Course Descriptions and Enrollment Packet

### Table of Contents

INTRODUCTION TO ACADEMIC PLANNING.....	1
REGISTRATION POLICIES AND PROCEDURES.....	2
FIND YOUR FUTURE.....	3
REQUIREMENTS FOR GRADUATION.....	5
COLLEGE PREPARATORY STUDIES CERTIFICATE.....	6
DUAL ENROLLMENT COURSES.....	7
MOTR CORE 42.....	8
GENERAL INFORMATION.....	9
BILITERACY.....	10
CERTIFICATES OF ARTICULATED CREDIT.....	11
NCAA ELIGIBILITY.....	13
UPWARD BOUND.....	14
A+ PROGRAM.....	15
CREDIT RECOVERY AND SUPPORT PROGRAMS.....	16
ENGLISH DEPARTMENT.....	17
FOREIGN LANGUAGE.....	20
SOCIAL STUDIES.....	21
MATHEMATICS.....	23
SCIENCE.....	29
PRACTICAL ARTS (including Grand River Technical School).....	32
HEALTH SCIENCES DEPARTMENT.....	36
INDUSTRIAL TECHNOLOGY DEPARTMENT.....	36
TECHNOLOGY AND ENGINEERING.....	39
AGRICULTURE DEPARTMENT.....	41
BUSINESS DEPARTMENT.....	44
ELECTIVES.....	47
FINE ARTS DEPARTMENT.....	49
PHYSICAL EDUCATION DEPARTMENT.....	52
OTHER SERVICES.....	52
INDIVIDUAL CAREER AND ACADEMIC PLAN (ICAP).....	57

# INTRODUCTION TO ACADEMIC PLANNING

The purpose of this Course Guide is to help students and their parents make decisions related to the selection of courses that meet graduation requirements as well as support post-secondary goals. The decisions students make in high school, including the selection of courses that support post-secondary goals, will have a great impact upon their chances for success throughout their life. In essence, students are laying the foundation for the accomplishments they experience in life. It is important that students devote appropriate time and thought as well as seek the guidance of parents and school personnel to make these decisions. Regardless of which path they choose, the ultimate goal is the same: a successful and satisfying life and career.

Our counselors will assist students with career exploration and educational planning by utilizing Missouri Connections. This is a program sponsored by the Missouri Department of Elementary and Secondary Education (DESE). Students will be able to explore and research the 16 different Career Clusters, complete assessments to help them focus their studies and plan using the available tools. To learn more about Missouri Connections, visit [www.missouriconnections.org](http://www.missouriconnections.org).

Log-in	chillicothehs
Password	2viewmoc

For additional information or assistance, the following district personnel can be contacted by calling the high school at 646-0700.

## School Counselors

Mrs. Amanda Marsh (9<sup>th</sup> and 10<sup>th</sup> grades)

Mrs. Buffy Tipton (11<sup>th</sup> and 12<sup>th</sup> grades)

Mrs. Cindy Baker (College and Career Readiness/ root Ed Advisor)

## High School Education Planning

When planning a high school sequence of study and selecting individual courses, it is recommended that students and their parents consider a variety of factors in making those choices, including the following information:

1. Chillicothe R-II School District Graduation Requirements
2. Their chosen career path and related areas of interest
3. Specific requirements of post-secondary educational institutions they may have interest in attending.

What follows is specific information regarding graduation requirements and course offerings that will assist students and their parents in making educational choices that will contribute to the student's long-range career and educational success.

# REGISTRATION POLICIES AND PROCEDURES

## Registration Process for Classes at CHS

- **In March**, counselors will meet with incoming freshmen to discuss the transition to high school and create Individual Career and Academic Plans (ICAP). Parents are invited to an evening meeting at the high school to review district graduation requirements and course offerings.
- **In March**, students in grades 9 - 11 meet with counselors to select required and elective courses.
- **In April**, students in grades 10 - 11 receive notification of acceptance or rejection into three period vocational training programs at Grand River Technical School. Students and counselors adjust course requests accordingly.
- **In June**, the administration designs a master schedule based upon student requests made during pre-registration.
- **In August**, all families will complete yearly registration paperwork either online or in person. Fees for classes, parking, and activities will be paid; ID pictures will be taken if needed; and students will receive a copy of their class schedule. There will be an important orientation night scheduled for freshmen and their parents.

## Class Changes:

- Students will have the **first five days** of the semester to request class changes.
- No class changes will be permitted after that time.
- Class changes are subject to teacher and counselor approval and will be denied if a class is already full.
- Students and parents are discouraged from requesting specific teachers for their classes. Counselors are not allowed to honor those requests.
- Many courses require a prerequisite. If a student has not met the necessary prerequisite, a new course will be substituted.
- A student may not receive duplicate credit or credit for a course twice. If a student registers for a course he/she has already received credit, a new course will be substituted. Exceptions to duplicate credit, include Band, Yearbook, Body Conditioning, Art Masters, Choir courses, and Physical Education classes.
- A student requesting a change to a more difficult core area course to increase rigor in a course schedule will be readily accepted provided space is available.

## Adding and Dropping Courses

Students should carefully consider course requests for the next school year. Student course requests provide input for creating the master schedule and determining teacher assignments. Avoiding class overloads and maintaining class balances are of primary importance once the master schedule has been established. Students who wish to drop a Dual Credit Course will be required to submit a parent permission form which is available in the Counseling Office. Students who wish to add or drop a MOCAP coursework must follow the same add/drop change timeline as on-campus courses. Any student who requests and is granted MOCAP course/s and fails the course/s will incur total costs of the course/s in addition to receiving an F on official transcripts.

## Missouri Course Access Program (MOCAP)

More information on MOCAP may be found at [www.mocap.mo.gov](http://www.mocap.mo.gov). Students wishing to request enrollment in a MOCAP course must follow the enrollment guidelines with the district, including courses approved by the MOCAP advisory committee prior to enrollment. Students who wish to be considered to add a MOCAP course must fill out the MOCAP Course Request Form 14 days prior to the first day of each semester. Chillicothe High School will offer MOCAP approved courses through Chillicothe High School's primary vendor unless the school's primary vendor does not offer the approved course. The district may deny requests for "good cause" based on the "best educational interest" of the child. Academic support for MOCAP courses is the sole responsibility of the vendor. The District is not responsible for MOCAP course academic support.



## Find Your Future In Career Paths & Career Clusters

Students with a plan are more likely to succeed every step of the way!

Research shows that students who have an education and career plan:

- Are more likely to graduate from high school and attend college or post-secondary training.
- Are more motivated to succeed in college and other types of training and in the workplace.
- Score higher on standardized achievement tests.
- Have better attendance and fewer discipline problems.

Use the following information to help you choose classes, organizations, and activities.

### **Arts and Communications** (Artistic "Creators")

**Clusters:** Arts, Audio/Visual Technology & Communications

**Occupations include** Architecture, Interior Design, Creative Writing, Fashion Design, Film, Fine Arts, Graphic Design, Journalism, Languages, Radio, TV, Advertising, Public Relations

**Recommended Electives:** Computer Applications, Basic/Advanced Design, Art Appreciation, Art Masters, Speech, Drama, Choir, Band, Music Appreciation, Housing, Desktop Publishing, Drafting, Foreign Languages, Multimedia

**Clubs & Activities:** CHS Players, Art Club, Speech Contests, FCCLA, Yearbook, Band, Choir

**Possible Volunteer Work:** Community Theater, Church choir, Radio/TV station, write for local newspaper, sing National Anthem at events

### **Business, Management and Technology** (Conventional "Organizers")

**Clusters:** Information Technology, Finance and Marketing

**Occupations include** Sales, Entrepreneurship, Marketing, Computers, Finance Accounting, Personnel, Economics and Management

**Recommended Electives:** Intro to Business, Computer Applications, Publications, Accounting I & II, Personal Finance, Economics, Speech, Multimedia, Desktop Publishing, Business Technology, Entrepreneurship, Ag Business Communication, Ag Management, and GRTS Computer Technology

**Clubs & Activities:** FBLA, DECA, Skills USA

**Possible Volunteer Work:** Junior Achievement, Sales projects for clubs, raise money for charitable causes, Chamber of Commerce events

### **Health Services** (Investigative/Social "Thinkers/Helpers")

**Clusters:** Health Sciences

**Occupations include:** Related to the promotion of health and the treatment of disease. Research, Prevention, Treatment and related technologies

**Recommended Electives:** Anatomy/Physiology, Applied Science, College Biology, College Chemistry, Psychology, Computer Applications, Body Conditioning, Health, Family Health, Parenting, Contemporary Issues, Nutrition & Wellness, Speech, GRTS Health Occupations

**Clubs & Activities:** Science Club, FCCLA, Skills USA

**Possible Volunteer Work:** Hospital volunteer, Red Cross, Donate blood, Camp Rainbow, Special Olympics, animal shelter

**Human Services (Social "Helpers")**

**Clusters:** Education & Training, Government & Public Administration, Hospitality & Tourism, Law/Public Safety/Corrections/Security

**Occupations include:** Related to Economic, Political and Social systems, Education, Government, Law & Law enforcement, Leisure & Recreation, Military, Religion, Child Care, Social Services and Personal Services

**Recommended Electives:** Computer Applications, Drama, Child Development, Parenting, Nutrition & Wellness, Baking & Pastry, Psychology, National Government, Body Conditioning, Speech, Contemporary Issues, Sociology, Family Health, and GRTS Child Care

**Clubs & Activities:** Student Council, Class officer, FCCLA, History Club, FBLA

**Possible Volunteer Work:** Work for political campaigns, Day Care, Teacher Aide, YMCA, Scouts, A+ Tutor, Camp Rainbow, Special Olympics, Chamber of Commerce events, North Central Missouri Center for Youth & Families, Food Bank

**Industrial & Engineering Technology (Realistic/Investigative/Conventional "Doers/Thinkers/Organizers")**

**Clusters:** Architecture/Construction, Manufacturing, Science/ Technology/Engineering/Math, Transportation, Distribution & Logistics

**Occupations include:** Related to Design, Develop, Install, and Maintain Physical Systems, Engineering, Manufacturing, Construction, Service and related Techs.

**Recommended Electives:** Computer Applications, Geometry, Physics, 3D Art, Architectural Drafting, Metals, Applied Science, Material Science & Technology, Speech, GRTS Welding, GRTS Building Trades, GRTS, Auto Technology, and GRTS Auto Collision and all PLTW classes at GRTS.

**Clubs & Activities:** Science Club, Skills USA, Yearbook

**Possible Volunteer Work:** Maintenance and Repairing Small Appliances, automobiles, or computers.

**Natural Resources (Realistic "Doers")**

**Clusters:** Agriculture, Food, Natural Resources

**Occupations include:** Related to Agriculture, Environment and Natural Resources. Agriculture Science, Environmental Science, Earth Science, Fisheries, Forestry, Horticulture and Wildlife

**Recommended Electives:** Computer Applications, Applied Science, Material Science & Technology, all GRTS agriculture classes

**Clubs & Activities:** FFA, Science Club, Hunting & Fishing Club

**Possible Volunteer Work:** Adopt a Highway or River, Florist, Parks, Botanical Gardens, Zoo, Veterinary, animal shelter.

# REQUIREMENTS FOR GRADUATION

## Regular Diploma

### Course Requirements:

English	4 units
Social Studies	3 units
Science	3 units
Mathematics	3 units (taken during high school)
Practical Arts	1 unit
Fine Arts	1 unit
Physical Education	1 unit
Health	½ unit
Personal Finance	½ unit
Electives	<u>7 units</u>
<b>Total units required</b>	<b>24 units</b>

Required sequences for coursework in English, Social Studies, Science, and Mathematics are part of course descriptions at each level.

Practical Arts requirements are met by selecting courses from any of the following areas: Family and Consumer Science, Industrial Technology, Agriculture, Business, and Vocational Technical.

Fine Arts requirements are met by selecting courses from any of the following areas: Art, Music, and Drama. This requirement may be satisfied during the freshman year by enrolling in Band, Choir, Music Appreciation, Art or a combination of these courses.

**Policy: All students must complete all required state assessments as part of meeting the minimum graduation requirements. The State Board of Education requires all public high school students to take End of Course (EOC) exams before graduating.**

**All Chillicothe High School students are required to take a Missouri Department of Elementary & Secondary Education approved measure(s) of college and career readiness, for example, the ACT®, SAT®, WorkKeys, or ASVAB before graduating.**

# CHILLICOTHE HIGH SCHOOL

## COLLEGE PREPARATORY STUDIES CERTIFICATE

This certificate, provided by the Chillicothe Board of Education, will be issued to graduating seniors who have completed a High School program which includes at least the following:

### 1. Course Requirements:

English	4 units	English I, II, Am Lit & Comp, College Prep English, and College Comp & Research
Mathematics	4 units	Algebra I and above (includes 8 <sup>th</sup> grade Algebra)
Social Studies	3 units	U.S. History, Western Civilization, and National Government and a semester of college level Social Studies
Science	3 units	Physical Science, Biology, and an upper level science course.
Fine Arts	1 unit	
Practical Arts	1 unit	
Personal Finance	½ unit	
Health	½ unit	
Physical Education	1 unit	
General Electives	4 units	
Core Electives	<u>3 units</u>	*Eligible courses are described below.
<b>Total units required</b>	<b>25 units</b>	

#### \*Specified Core Electives

The three core electives can come from foreign language (two units of one foreign language are strongly recommended) and/or combinations of the following course areas: English, Communication Skills, mathematics, social studies, and science.

2. Students must earn at least a 3.0 grade point average on a 4.0 scale in the combined subject areas of English, mathematics, social studies, and science and have an accumulative GPA of 3.0.
3. Students must score a composite average of 21 on the ACT.
4. Maintain a cumulative (9-12) attendance rate of at least 95 percent.

\*\* Dual-credit courses taken in core areas in high school for both high school and college credit may be counted toward satisfying the core curriculum requirements.

\*\*Students interested in this certificate should plan their coursework carefully.

# DUAL ENROLLMENT COURSES

## STUDENTS TAKING DUAL ENROLLMENT COURSES MUST:

1. Have a minimum overall grade point average of 3.0 on a 4.0 scale.
2. Be recommended by a high school principal or counselor.
3. Be a junior or senior and meet the same requirements for admission to individual courses as those required of on-campus students. Sophomores must meet all requirements and have a letter from the College and Career Counselor.
4. Students must have an ACT score on record and meet the testing standards set by the individual college offering credit. Test scores required:

College Composition & Research	ACT English=18
American History	ACT Reading=18
National Government	ACT Reading=18
College Algebra	ACT Math=22
General Chemistry I	ACT Math=20
General Biology I	ACT Reading=18/ACT Math=17

The following are dual credit courses offered through **North Central Missouri College** in Trenton, Missouri. Students should check with their prospective college to see how these courses will transfer.

• EN 101	English I	3 credits/semester
• EN 102	English II	3 credits/semester
• HI 103	American History I	3 credits/semester
• HI 104	American History II	3 credits/semester
• PL 216	National Government	3 credits/semester
• PY 121	General Psychology	3 credits/semester
• SO 107	General Sociology	3 credits/semester
• FL100	Elementary Spanish I	3 credits/year
• FL101	Elementary Spanish II	3 credits/year
• CH110	General Chemistry I	5 credits/year
• BI 100	General Biology	5 credits/year
• MT 122	College Algebra	3 credits/year
• MT 150	Geometry & Calculus I	5 credits/year
• SP 175	Speech Communications	3 credits/semester
• BT 160	Microcomputer Applications	3 credits/year (GRTS)
• AG 100	Intro to Agribusiness Systems	3 credits/year (GRTS)





The Core Curriculum (Core 42) is a framework of general education which all Missouri public higher education institutions have agreed to adopt. Upon a student's successful completion of the CORE 42 at any community college or public institution of higher education, that block of courses will be transferred to any other public institution of higher education in the state and transfer as a general education requirement.

Students who transfer before completing the Core 42 curriculum will receive credit from the receiving institution for each of the courses identified as part of the Core 42. These courses are identified with a MOTR prefix.

Parents/students can find more information at <https://dhe.mo.gov/core42.php>.

The following link can be used to track dual credit MOTR Core 42 courses  
<https://web.dhe.mo.gov/dhe/coursetransfertracker/homepage.faces>

## GENERAL INFORMATION

### Grade Point Averages (GPA)

The student's grade point average is computed at the end of each semester. All graded courses are included in the term grade point average. The following scale is used to calculate this figure:

Percentage	Letter	Grade Points
96-100	A	4.0
90-95	A-	3.7
87-89	B+	3.3
83-86	B	3.0
80-82	B-	2.7
77-79	C+	2.3
73-76	C	2.0
70-72	C-	1.7
67-69	D+	1.3
63-66	D	1.0
60-62	D-	0.7
59 & below	F	0.0

### Parent Portal and Student Portal

Parent Portal allows parents online access to grades, attendance, and lunch balance for each of their students. Student Portal allows a student online access to his own grades, attendance, and lunch balance. All Chillicothe High School students will be granted Student Portal access and are encouraged to keep track of their grades. Parents may sign up for Parent Portal access by contacting the Guidance Office.

SMART PHONE USERS: Tyler SIS Student 360 is a free app designed for touch screens, smart phones and tablets. Tyler SIS Student 360 is available on both iOS and Android. It can be downloaded from the Apple iTunes iOS App Store and the Google Play App Store.

### ACT Dates for 2023-2024

**Register at [www.actstudent.org](http://www.actstudent.org)**

September 09, 2023\*

April 6, 2024

October 21, 2023

June 08, 2024

December 09, 2023

July 13, 2024\*

February 10, 2024

\* ACT not offered in Chillicothe on this date

Registration fees: (some may qualify for a fee waiver)

\$63 – no writing

\$88– plus writing (2022-2023 fees)

CHS School code: 260595

CHS Test Center code: 209570

## “MISSOURI SEAL OF BILITERACY” AWARD

State Criteria:	Standard	Distinguished
<p>Demonstrate English language proficiency (Students only need 1 standardized measure of English proficiency )</p>	<p>-English II EOC- Proficient/Advanced -ACCESS 4.0 -ACT Reading portion score of 18</p>	<p>-English II EOC- Proficient/Advanced -ACCESS 4.7 -ACT Reading portion score of 21</p>
<p>Demonstrate proficiency in one or more languages other than English (Students only need 1 standardized measure of English proficiency )</p>	<p><i>Assessment:</i> Student can choose to take standardized test in the language and culture of LOTE Score: 3</p> <p><i>Portfolio:</i> Student provides 1 of each in electronic portfolio This will be assessed using rubric by a speaker of the language who is not related to the student. Students may choose artifacts from the approved artifacts list There must be a variety shown to include the 3 language modalities of interpersonal, interpretive, and presentation. Reading, Writing, Listening/ Speaking</p>	<p><i>Assessment:</i> Student can choose to take standardized test in the language and culture of LOTE Score: 4-5</p> <p><i>Portfolio:</i> Student provides 2 of each in electronic portfolio This will be assessed using rubric by a speaker of the language who is not related to the student. Students may choose artifacts from the approved artifacts list There must be a variety shown to include the 3 language modalities of interpersonal, interpretive, and presentation. Reading, Writing, Listening/ Speaking</p>
<p>Social Cultural Competence</p>	<p>Sociocultural Competency Essay</p>	<p>Sociocultural Competency Essay</p>

## CERTIFICATES OF ARTICULATED CREDIT GRAND RIVER TECHNICAL SCHOOL

Students who attend courses at Grand River Technical School, have the opportunity to earn articulated college credit. Articulated credit offers students a way to save money and time completing an Associate in Applied Science degree. Grand River Technical School works with the following colleges to award articulated college credit:

North Central Missouri College  
Metropolitan Community Colleges  
Moberly Area Community College

State Technical College of Missouri  
State Fair Community College

<b>Program</b>	<b>College Articulated Hours</b>
<b>Agriculture</b>	
North Central Missouri College	
<i>Animal Science</i>	3
<i>Plant Science</i>	3
<b>Auto Service Technology</b>	
North Central Missouri College	30
Metropolitan Community Colleges	10
State Technical College of Missouri	16
<b>Building Trades</b>	
North Central Missouri College	30
State Fair Community College	6
<b>Business Technology</b>	
Metropolitan Community College	
<i>Accounting I &amp; II</i>	3
<i>Entrepreneurship</i>	3
<i>Micro Computer Applications</i>	3
Moberly Area Community College	
<i>Accounting I &amp; II</i>	3
<b>Early Childhood Professions</b>	
North Central Missouri College	
<i>Early Childhood Growth &amp; Development</i>	3
<i>Professionalism in Early Childhood</i>	3
<i>Early Childhood Administration &amp; Management</i>	3
<b>Collision Repair</b>	
State Technical College of Missouri	8
Metropolitan Community College	26

North Central Missouri College	30
<b>Computer Service Technology</b>	
North Central Missouri College	30
<b>Industrial Welding</b>	
North Central Missouri College	30

In order to meet guidelines to receive articulated college credit, students must meet the criteria set forth by each college.

**North Central Missouri College:**

1. Maintain a 90% attendance in the training program.
2. Earn a grade of "C" or above in the training program.
3. Enroll at NCMC within 15 months of graduation or completing the GRTS program.
4. Present the white copy of the certificate of articulation along with your high school or GRTS transcript to NCMC at the time of application for admission.
5. Complete 12 hours of credit at NCMC before articulated credit will be applied to the transcript.
6. Earn a 2.0 ("C") grade point average in those 12 college hours.
7. Complete Form 3-A, Application for College Credit, and submit to the Registrar.

**Metropolitan Community Colleges:**

1. Maintain a 90% attendance in the training program.
2. Earn a grade of "B" or above in the training program.
3. Enroll at MCC within 24 months of graduation or completing the GRTS program.
4. Complete 15 hours of credit at MCC before articulated credit will be applied to the transcript.

**State Technical College of Missouri:**

1. Earn a grade of "B" or above in the training program.
2. Demonstrate acceptable levels of knowledge, skills and behavior for the program of study.
3. Receive a score of 75% or higher on the NATEF End-of-Program exams (Automotive Technology, only).
4. Articulation credit must be used within the first year after high school graduation with the exception of statewide articulation agreements.

**State Fair Community College:**

1. Earn a grade of "B" or better in the training program.
2. Students must complete a 'Recommendation for Articulated Credit' form and enroll at SFCC within one year of high school graduation.
3. Contact the SFCC Admissions Office to verify that the admissions file is complete. Students should identify themselves as a student enrolling with articulated credit and make an appointment with the Articulation/Academic Counselor to enroll.

## NCAA ELIGIBILITY

If students plan to enroll in college and participate in Division I or Division II sports, they must be certified by the National Collegiate Athletic Association (NCAA). For more information regarding rules, please go to [www.ncaa.org](http://www.ncaa.org) or visit the Eligibility Center website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

Division I	Division II
<p><b>●Complete 16 NCAA core courses:</b>                      4 years of English *                      3 years of math (Algebra I or higher) **                      2 years of natural/physical science ***                      2 years of social science****                      1 additional year of English, math, or natural/physical science                      4 additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy                      ●Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.                      ●Earn at least a 2.3 GPA in your NCAA core courses.                      ●Earn an ACT sum score or SAT combined score that matches your core-course GPA on the Division I sliding scale.</p>	<p><b>●Complete 16 NCAA core courses:</b>                      3 years of English *                      2 years of math (Algebra I or higher) **                      2 years of natural/physical science ***                      2 years of social science ****                      3 additional years of English, math, or natural/physical science                      4 additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy                      ●Earn at least a 2.20 GPA in your NCAA core courses.                      ●Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale                      .</p>

**Chillicothe High School Core Courses not approved by NCAA**

- \*English IV is NOT an NCAA approved course.
- \*\*Pre-Algebra, Geometry Concepts, and Tech Math I and II are NOT NCAA approved courses.
- \*\*Algebra A + Algebra B fulfill 1 approved math credit
- \*\*\*Applied Science is NOT an NCAA approved course.
- \*\*\*\*History through Film is NOT an NCAA approved course.

**NAIA Eligibility**

If a student enrolls in college and plans to participate in a NAIA sports, they must register and be a graduate of an accredited high school or be accepted as a regular student in good standing as defined by the enrolling institution.

Students must also meet two of the three following requirements.

1. **TEST SCORE REQUIREMENT:** Students must have a composite score of 18 on the ACT.
2. **HIGH SCHOOL GPA REQUIREMENT:** Students must have a minimum 2.0 overall GPA.
3. **CLASS RANK:** Students must graduate in the top half of their graduating class.

\*MOCAP courses must be evaluated on a course-by-course basis for NCAA eligibility.

# UPWARD BOUND

## What is Upward Bound?

The Upward Bound (UB) program is funded by the U.S. Department of Education under the category of Federal TRiO Programs and is sponsored by North Central Missouri College. UB is designed to provide academic instruction, motivational and study skills, along with other support services necessary to give an extra "push" to high school students interested in attending college and finding the right career. UB serves six area high schools and has a competitive admissions process.

## What are the Program Components?

During the school year, there are weekly after-school tutoring sessions where students can receive assistance with homework and study for tests. Saturday Seminars are held each month and students from all six target schools come together for half a day to take a closer look at career choices and enhance their knowledge about academic, social, and personal development. Students also take campus visits to area colleges and universities.

During the summer, students participate in a six-week residential program on the NCMC campus. First year students are required to attend their first summer. The summer program is designed to give students an extra jump on the academic year by focusing on math, laboratory science, composition, and literature and foreign language, all while experiencing living on a college campus. Enrichment classes and cultural trips, including an out-of-state trip, during the summer program give students a well-rounded experience. All services are provided at no cost to the student or family.

## Who is eligible?

Students are eligible for the North Central Missouri College Upward Bound Program if:

- They show potential for academic success in college but need supportive services to get there.
- Meet at least one of the two following criteria: Will be first generation college students, meaning that neither parent has earned a bachelor's (four-year) degree, OR their families income does not exceed the guidelines determined by the U.S. Department of Education.
- They have completed the 8th grade, are between the ages of 13 and 19, and have a need for academic support in order to pursue a program of postsecondary education

## What services are provided to students?

* Academic Advising	* Mentoring	* Cultural and Recreational
* Career Exploration	* Personal Advising	Activities
* College Selection	* Activities for Parents	* Much, much more!
* Financial Aid and Scholarship	* Target School Advocacy	
Application Assistance		

## Where can I get more information?

[www.ncmissouri.edu/ub](http://www.ncmissouri.edu/ub)

[www.facebook.com/Upward-Bound-NCMC-115827243612/](https://www.facebook.com/Upward-Bound-NCMC-115827243612/)

# A+ PROGRAM

## What is the A+ Schools Program?

The A+ Schools Program at Chillicothe High School is an exciting opportunity for all students, regardless of whether they plan to attend a traditional four-year university, a community college, a vocational/technical school, or plan to enter the labor force immediately upon graduation from high school. The A+ Program provides for curriculum development, including applied courses that allow students to apply what they learn to real life situations. The program provides for extensive career guidance for students, which includes activities for at-risk students. Possibly the most important part of the A+ Program is the financial incentive available to students for continuing their education after high school.

The A+ Program will stay intact as long as two things continue to happen: 1) The State Legislature continues to fund the A+ Program and 2) Each year the school is re-designated by the Department of Elementary and Secondary Education.

## How can a student qualify for the A+ Schools Program?

1. To qualify, a student must attend a designated A+ School for two years prior to graduation.
2. Enter into a written agreement with your high school prior to graduation.
3. Be a U.S. citizen or permanent resident.
4. Maintain at least a 2.5 grade point average on a 4.0 scale.
5. Maintain a 95% attendance average over the four-year period.
6. Perform 50 hours of unpaid tutoring or mentoring.
7. Maintain a record of good citizenship and avoid the unlawful use of drugs and/or alcohol while in grades 9-12.
8. Must be a degree seeking student at the institution in which they are enrolled.
9. Have achieved a score of proficient or advanced on the Algebra I end of course exam or a higher level DESE approved end-of-course exam in the field of mathematics.

## When do I have to sign up for the program?

Typically, the vast majority of students will want to sign their agreement form and get started with the tutoring and mentoring activities immediately upon beginning their freshman year. A student may, however, sign up at any time and begin to meet the requirements. There are no specific windows for signing the agreement. It could be done at any time, as long as the student realizes that time must be available to meet the qualification, specifically, completing 50 hours of tutoring and mentoring.

## What financial incentives are available through the A+ Program?

- For information on using the A+ Scholarship, visit the Missouri Higher Education A+ Scholarship page at <https://dhe.mo.gov/ppc/grants/aplusscholarship.php>

**Contact Mr. Tim Marsh, A+ Coordinator, for more information.**



# CREDIT RECOVERY AND SUPPORT PROGRAMS

## Summer School Program

The Chillicothe School District offers high school summer school each summer. Courses will be offered pending sufficient enrollment and funding. One-half credit can be earned, via A+ Learning Systems, in a 3 or 4 week session dependent upon the individual class requirements. A student who was enrolled in but did not receive credit for a course during the regular school year may recover that credit during summer school. Students are also able to fulfill their volunteer hours for the Missouri A+ Scholarship program by working with younger students. Due to the short duration of summer school, daily attendance is expected and essential for success. Summer School dates and hours will be announced prior to enrollment.

## Academic Credit Recovery

The Chillicothe School District offers credit recovery for students who are in danger of not graduating on time. This opportunity allows students to complete requirements for a high school diploma when they have fallen behind on credits at the high school or their previous school. Please speak with your school counselor if you have questions regarding credit recovery.

## Hornet Academy

Hornet Academy offers students the opportunity to learn in a small personal setting while addressing behavioral and social-emotional concerns through counseling services, career transition services, academic support and enhanced individualized instruction. Students are prepared for the world of work and/or continuing their education. Academic courses in the four core subject areas are offered at all levels 9th through 12th grade.

## Missouri Option Program

The Missouri Option Program is designed for a select group of students – those who have the ability to meet regular graduation requirements but who are so far behind in earning credit that they cannot reasonably expect to graduate with their class. This program allows students to stay in school, to participate in meaningful classes and support services while preparing to take the High School Equivalency Test (HiSet), and to earn a high school diploma.

Eligible students must meet the following criteria:

- Be at least 17 years old and at least one year behind their cohort class in earning credits required for graduation
- Attend 15 hours weekly of preparation at Hornet Academy.
- Commit to an additional 20 hours per week fulfilled through a job, volunteer work, vocational education or full day attendance at the high school or TLC.
- Pass the High School Equivalency Test (HiSET) examination, the required exams over the U.S. and Missouri constitutions, and the required End-Of-Course exams
- Earn a minimum of ½ unit of Government
- Earn ½ credit in Personal Finance
- Earn ½ credit in Health
- Upon successful completion of the program, students are awarded a high school diploma.

NOTE: Missouri Option Program students are not eligible to take part in extracurricular activities under the rules of Missouri State High School Activities Association. The Missouri Option Program will not be used to circumvent compulsory attendance regulations or to facilitate an early exit.

## ENGLISH DEPARTMENT

**(4 UNITS REQUIRED FOR A HIGH SCHOOL DIPLOMA)**

**COMPOSITION & LITERATURE I:** This course is designed to help students with their mastery of basic skills. Literature study presents varied human experiences through genres of short stories, drama, non-fiction, poetry, and the novel. *To Kill a Mockingbird* and *Romeo & Juliet* are major works studied in this course. Language study includes a strong emphasis on grammar, usage, spelling, vocabulary, and essay writing. Composition concentrates on variation of sentence structure in the organization of paragraphs. The Accelerated Reader program provides immediate feedback to track reading levels and comprehension and encourages lifelong reading skills.

**COMPOSITION & LITERATURE II:**

Requirement: Successful completion of Composition & Literature I. This course focuses on the literary form of fiction, non-fiction, and the novel. Major novels studied may include *Night* and *Julius Caesar*. Writing skills and vocabulary building are emphasized. Students are expected to maintain notes and journal entries. Personal and expressive essay, persuasive essay, literary analysis, and argument research papers over various topics and outlines in parallel form will be included. Techniques for using the library are studied. The End-of-Course exam is required for graduation.

**ENGLISH III:** This is a junior level Language Arts course that focuses on enhancing communication skills through development of reading, writing, listening, speaking, and analytical reasoning skills. Through a literature-based curriculum centered upon high-interest fiction and nonfiction selections such as *In Broad Daylight*, *Go Ask Alice*, *Of Mice and Men*, *The Crucible* and *Lord of the Flies*, students will perform purposeful activities to engage the learning process and practice active reading strategies while connecting personal observations/interpretations to literature. Students will conduct research on several topics and will learn an inquisitive approach to information through the utilization of technology. Practical applications to the work world and to societal issues will be studied as well. Second semester work will incorporate skill development in taking the ACT with a focus on reading for specific purposes.

**ENGLISH III AC:** This course is for junior students and may be taken in place of English III. Although grammar, writing and literature will be included as part of the curriculum, the course will focus on communications needed in the workplace. Students will improve their ability to read and express themselves orally and in written work. Students will be taught in a small class setting with an opportunity for individual help. Prerequisite: Student must be enrolled in a vocational training program at GRTS and have passed two units of English.

**AMERICAN LITERATURE & COMPOSITION:** This is a third-year college preparatory Language Arts course structured to prepare the college-bound student for classes taken in the

senior year. More sophisticated writing and research is expected as students focus on upper-level vocabulary and grammar. Students will develop the ability to write with clarity, variety, and vitality. Students will improve critical reading skills through exposure to works in various forms written by significant American writers. Research skills in both traditional and digital methods will be used. Major works studied include: *Adventures of Huckleberry Finn* and *The Crucible*. Student will independently read 2 books per quarter from a list of modern and classic American Literature.

Prerequisite: A "C" average in Composition & Literature II, as well as half of the required book report points and a C on the research paper.

**ENGLISH IV:** This course is offered to seniors in order to provide the college and career readiness communication skills students need to fulfill graduation requirements and be prepared to function successfully in post-high training, in college, and in the workplace. Students must first have accumulated three credits of English or be concurrently enrolled in the third unit to take either semester of this two-semester course. Students will engage in various forms of reading, writing, and speaking through the use of technology. In addition, students will develop their communication skills while engaging in high-interest reading selections and creative avenues of self-expression. Literature studies include *The Glass Castle*, *Twelve Angry Men*, *Looking for Alaska*, *The Things They Carried*, and *13 Reasons Why*. This course is a continuation of English III. Students who complete American Literature & Composition may not enroll in English IV. This class does not meet NCAA eligibility requirements.

**ENGLISH IV AC:** This senior level class is designed for those in a vocational program who wish to be well prepared to communicate effectively on the job and prepared for post-secondary classes at the vocational school or college. Students will polish their abilities to communicate through a curriculum designed to improve reading, writing, listening, researching, and speaking skills. Prerequisite: Students must be enrolled in a vocational training program at GRTS and have successfully completed three units of English.

**COLLEGE PREPARATORY ENGLISH:** This is a course open to seniors who have completed American Literature & Composition. Students planning to attend a two-year or four-year college after high school should plan on taking this course. The course is designed to enhance and polish writing skills by emphasizing the writing process and develop critical thinking skills in reading by responding to classic and contemporary literature through book reports, group discussions, and reading response logs. The first semester consists of vocabulary improvement, grammar and usage in areas determined by a diagnostic test, narrative writing, nonfiction literature and informational texts, literary analysis, and summary/response. The second semester begins with the research paper in MLA style. The remainder of the second semester emphasizes British literature. British literature selections include *Anglo-Saxon Beowulf*, *Middle English Canterbury Tales*, and Shakespeare's *Hamlet*.

Prerequisite: Grade of "C" or better both semesters in American Lit & Comp.

**COLLEGE COMPOSITION:** This is a writing course designed for those students who desire additional work in written composition before entering college. Through critical reading, critical thinking, and critical writing, the process and product of writing will be emphasized. Writings cover patterns of development such as narration, analysis, and argumentation. Students will create a semester portfolio of their essays that will include self-reflection elements. Students will also develop critical thinking skills in reading by responding to classic and contemporary literature through literary analysis and group discussions. This is a senior English writing class designed to be taken for 3 hours of college credit through North Central Missouri College (EN 101). The student must have at least an 18 on the English portion of the ACT in order to qualify for dual credit and enroll in this course. In addition, students must meet the prerequisite of maintaining a "B" average in American Lit & Comp for both semesters

**COLLEGE RESEARCH:** This is a continuation of COLLEGE COMPOSITION (ENGLISH 101) and is intended as a dual enrollment course (ENGLISH 102). It emphasizes longer and more impersonal and critical writing forms. It is designed to teach evaluation of source materials, principles of research, and organization of thought and writing. A thorough use of library and online resources is required for the bibliography unit and the final research paper. Students will be required to do a formal research presentation and create a semester research portfolio that will include self-reflection elements. Studies will also include British literature selections such as Shakespeare's *Hamlet*. This course is designed to be taken for 3 hours of college credit through North Central Missouri College. Prerequisite: A "C" or better in College Composition (English 101)

## **FOREIGN LANGUAGE**

**Two credits of a foreign language are required for Freshman enrollment at the University of Missouri and Truman State University and possibly others. Please check with the counseling office or the college of interest for specific requirements.**

**SPANISH I:** The study of one year of Spanish gives students a background in the language and customs of Spanish speaking countries. Students learn basic vocabulary, idiom and sentence structure; these areas are developed through reading, writing, speaking, and listening. Students must have a B- average in Language Arts or teacher approval.

**SPANISH II:** Students continuing into Spanish II should have maintained average or above grades in Spanish I. If Spanish I grade is lower than a "C" average, teacher approval is needed. The second year of Spanish involves a much more complex structure study with emphasis on grammar and verb tenses. Spanish II gives students a more complete and thorough understanding of the language.

**COLLEGE SPANISH I (SPANISH III):** Students will continue to develop comprehension and communication skills in listening, speaking, reading, and writing Spanish. Students will become acquainted with different cultures in the Hispanic world through the study of the language and elementary readings in Spanish. This is a dual credit course taken for 3 hours of college credit (FL 100) through North Central Missouri College. Prerequisite: Student must have earned a grade of a B- or higher in both Spanish I and 2 at the high school level. (This course may be offered at the high school depending on the number of students enrolled in the course.)

**COLLEGE SPANISH II (SPANISH IV):** Students will continue to develop comprehension and communication skills in listening, speaking, reading, and writing Spanish. Through the study of the language and elementary readings in Spanish, students will become acquainted with different cultures in the Hispanic world. This is a dual credit course taken for 3 hours of college credit (FL 101) through North Central Missouri College. Prerequisite: Student must have earned a grade of a B- or higher in College Spanish I.

## **SOCIAL STUDIES**

### (3 UNITS REQUIRED FOR A HIGH SCHOOL DIPLOMA)

**UNITED STATES HISTORY:** This required course for **freshmen** is a survey of the political, economic and social institutions of the United States focusing on post-Civil War United States. Students will analyze the causes and consequences of the Industrial Revolution and America's growing role in diplomatic relations. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II as well as the consequences of World War II on American life. Finally, students will study the causes and course of the Cold War, important economic and political changes during the Cold War, including the Civil Rights movement, and recent events and trends that have shaped modern-day America.

**WESTERN CIVILIZATION:** This is a required, year-long course for **sophomores** about the story of man's progress in the development of culture. These contributions of the past may help in the understanding of present day affairs and pave the way for a better future.

**GOVERNMENT:** In this required, year-long course for **juniors**, students are provided an overview of government through the study of the U.S. Constitution. The structure – executive, legislative and judicial branches – and the relationships between the national, state, county and city governments are studied in depth. Topics covered include federal and states' rights, the role and function of political parties, the growth of government, the philosophy of the democratic process, and the obligations of citizens. Students must pass the Missouri and United States Constitution tests during this class. The Missouri End of Course examination is required for graduation. National Government as a dual credit class may be taken instead of this Government course.

**HISTORY THROUGH FILM:** This is a one-semester course in which students examine world and United States History through the lens of films and movies. Along with watching these films, students will also be examining primary and secondary sources in order to critically analyze the accuracy, purpose, and direction of the film. Students will also examine sources related to the era, including but not limited to works of art, literature, artifacts, and photographs to aid in understanding the historical era presented. Students will then use the films as "historical evidence" in determining the accuracy of the film, the point of view of the directors/producers of the film, their target audience, and their reasons for producing the film.

**MISSOURI HISTORY:** This one semester course for juniors and seniors focuses on Missouri's early history and geography, struggle for statehood, role in the Civil War, post-war growth and development, and Missouri's role in national and world events. Various activities help to emphasize the importance of the people and economics of Missouri, with an emphasis on Livingston County.

**AMERICAN HISTORY I (First semester):** A survey study of the history of the United States covering European backgrounds, the Colonial and Constitutional periods, National Expansion and development through the Civil War. This course can be taken for 3 hours of college credit

through North Central Missouri College (HI 103). The student must have at least an 18 on the reading portion of the ACT in order to qualify for dual credit and enroll in this course.

**AMERICAN HISTORY II (Second semester):** A continuation of American History I. This is a survey study considering National growth and development and the constantly broadening sphere of American participation in World affairs from the Civil War to the present time. This course can be taken for 3 hours of college credit through North Central Missouri College (HI 104). The student must have at least an 18 on the reading portion of the ACT in order to qualify for dual credit and enroll in this course.

**NATIONAL GOVERNMENT (one semester):** This course is concerned with the nature of the American Political System, its development in the past, and how it works today. The goal of the course is to increase understanding of the American political system—the traditions, values, and framework, as well as to understand how the components work together smoothly, but at times with substantial friction. This course can be taken for 3 hours of college credit through North Central Missouri College (PL 216). The student must have at least an 18 on the reading portion of the ACT in order to qualify for dual credit and enroll in this course. This class fulfills the requirement for a course in government. The End-of-Course exam is required for graduation, unless previously taken.

**COLLEGE PSYCHOLOGY (one semester):** This is a survey course dealing with the basic facts and principles of human behavior, providing an understanding of why and how man thinks and acts as he does, and emphasizing the manner in which the environment influences a person. This course can be taken for 3 hours of college credit through North Central Missouri College (PY 121). Students must have an ACT score before school begins if enrolling in dual credit.

**COLLEGE SOCIOLOGY (one semester):** This is a survey course concerned with the study of human relationships in groups and of the structures and organizations that develop within human society. Emphasis is placed on various social phenomena and the theories which attempt to explain them. This course can be taken for 3 hours of college credit through North Central Missouri College (SO 107). Students must have an ACT score before school begins if enrolling in dual credit.

## MATHEMATICS

**(3 UNITS REQUIRED FOR A HIGH SCHOOL DIPLOMA)**

**ALGEBRA A:** This is the first course in a two year sequence covering the content of Algebra I. It will cover all operations with real numbers, solving linear equations and inequalities, solving and applying proportions, graphing linear and other equations and inequalities, systems of equations and inequalities, properties of exponents, and polynomial operations. Students that have successfully completed Algebra A will advance to Algebra B. If a student earns a 90% or higher both semesters then the student may advance to Algebra 1 in which case they must take the Algebra 1 EOC that year. A student who earns a 90% or above both semesters AND has the Algebra A, Algebra B, and Geometry teacher's permission, may double up in Algebra B and Geometry and the next year. In which case they must take the Algebra 1 EOC that year. Otherwise from this course students should advance to Algebra B.

**ALGEBRA B:** This is the second course of a two-year sequence covering the content of Algebra I. The course will begin with a review of concepts learned in Algebra A. The topics for this course will be systems of equations and inequalities, properties of exponents, exponential functions, polynomial operations, factoring, quadratics and square roots. The course will be presented using real-life applications. If a student had 90% in both semesters in Algebra A, with the appropriate recommendations from the Algebra A, Algebra B, and Geometry teachers, they may double up in this course and Geometry this year. At the completion of this course students will take the Missouri End of Course Examination for Algebra I. From this course students should advance to Geometry Concepts, Geometry (Algebra B grade must be 85% or higher), or Tech and Industrial Math.

**ALGEBRA I:** This class is designed to acquaint the student with number systems and laws of mathematics through fundamental processes of equation solving and the solution of practical problems. This is the first course in the College Preparatory sequence. It is designed for the dedicated, average to above average student. At the end of the course, students will take the Missouri End of Course Examination. From this course students should advance to Algebra II (Algebra I grade must be 70% or higher) or Geometry Concepts. A student who earns a 90% or above both semesters AND has both the Algebra I and Advanced Algebra teacher's permission, may double up in Geometry and Advanced Algebra the next year.

**ADVANCED ALGEBRA:** This class reviews the Fundamentals of Algebra I and adds the study of the Binomial Theorem, graphing of curves, and advanced problem solving. Only students who plan to take Calculus or College Algebra their senior year should attempt to take Geometry and Advanced Algebra in the same year. In order to do this, the student must have a 90% or higher average in Algebra I and have documented permission from both the Algebra I and Advanced Algebra teacher. This is the second in the five course sequence that will prepare students for college.

**GEOMETRY CONCEPTS:** Designed for the student who is not ready to take a full year of geometry. Developmental hands-on activities and more guided practice with a foundation of



geometry, angles, parallel lines, triangles, area, polygons, and real world applications. Students needing a third math class should advance to Tech and Industrial Math.

**PLANE GEOMETRY:** This class provides the student opportunity to reason and logically prove any fundamental truths connected with lines, angles, rectangles, triangles, and any other everyday figures, including the use of Euclid and non-Euclidean Geometry. Student must have passed both semesters of Algebra I or have an 85% or higher in both semesters of Algebra B to enroll in this class. Also a student who has scored 90% or above both semesters of Algebra A may double up in Algebra B and Geometry. This is the third in the five course sequence that will prepare students for college. A student should advance to Intro to College Algebra, College Algebra, Trig/Stats or Tech and Industrial Math from this course.

**ELEMENTARY STATISTICS:** This semester course includes: learning and applying statistical concepts including probability and statistics, frequency distributions and graphs, data description, confidence intervals, hypothesis testing, correlation and regression. *Students should have their own statistical or graphing calculator for this class.* Prerequisite: Advanced Algebra & Plane Geometry.

**INTRO TO COLLEGE ALGEBRA:** The purpose of this class is to present the math that follows the Advanced Algebra class and as an alternative to College Algebra dual credit. The course will cover the same curriculum as College Algebra, but at a slower pace, and is not intended for students who intend to progress to Calculus. The course will consist mainly of math analysis, analytical geometry and basic trigonometry.

**COLLEGE ALGEBRA:** The purpose of this class is to present the mathematics that follows the Advanced Algebra class and precedes the rigorous study of Calculus. The course will consist mainly of mathematical analysis, analytical geometry, and advanced trigonometry. A grade of at least a C in Advanced Algebra is required. This is the fourth in the five course sequence that will prepare students for college. This course (MT 122) may be taken for 3 hours of college credit through North Central Missouri College. In order to qualify for dual credit and enroll in this course, a student must have a math ACT subscore of 22. Students can advance to Calculus from this course.

**GEOMETRY & CALCULUS:** This is a class that includes analytical geometry and introductory differential and integral calculus. It introduces students to college-level math work. The class will follow the curriculum standards. To enroll, students must have passed College Algebra with

a B or higher both semesters. This is the fifth in the five course sequence that will prepare students for college. This course (MT 150) may be taken for 5 hours of college credit through North Central Missouri College.

**TECH AND INDUSTRIAL MATH I:** A junior level course designed to prepare students for future employment tests and college math classes needed for a 1-2 year degree. Students will review fractions, decimals, percents, measurement, money, and formulas. All units will focus on teaching students how to reason, problem solve, and apply math skills in their vocational programs and the everyday workplace. Qualification for enrollment: This course is available to students enrolled in a vocational training program at GRTS.





**SCIENCE**

**(3 UNITS REQUIRED FOR A HIGH SCHOOL DIPLOMA)**

**MISSION STATEMENT:** All science courses are designed to provide all students with the opportunity to gain scientific literacy, which is considered to be essential to an understanding and appreciation of the nature and events of our technological society. The sciences offered will provide the student with the understanding necessary to cope, not only with today's science, but also with those of the future that are unknown to us today.

**PHYSICAL SCIENCE:** This course will study the basic concepts of chemistry (matter), and physics (energy) and their interactions. Biology concepts, including water properties, will be incorporated as practical examples related to major topics of study. The students will experience many activities and labs which require critical thinking and problem solving skills. Major course topics include: 1) Measurement, graphing, scientific method, lab skills, 2) Basic atomic structure, states of matter, physical and chemical changes, 3) Forms of energy including methods of transferring and transforming energy with a focus on heat. 4) Ecology. **This course is a prerequisite for all other science courses.**

**BIOLOGY:** This required course is the designated course for all sophomore students. It is the introductory study of life science at the high school level. The major course topics are: interactions among organisms and their environment; cell structure, function, and processes; and genetics and heredity. Basic scientific processes such as experimental design, measurement, graphing, microscopy, and critical thinking will be incorporated. Class events will include: activities, demonstrations, note-taking labs, reading and writing assignments, et cetera. The prerequisite of this course is successful completion of Physical Science. The End-of-Course exam is required for graduation.

**APPLIED SCIENCE:** This is a basic course to fulfill the required third high school science credit. A science course designed for students not intending to major in a science, technology, engineering, or mathematics-related field. This project-based learning course will emphasize the importance of science in the real world and its impact on society and the environment.

**MATERIALS SCIENCE AND TECHNOLOGY (MST):** This course involves the study of solid matter. Four major units of study form the basis of the MST course: composites, metals, ceramics/glass, and polymers. Each unit will include a study of the properties and basic chemistry of that particular group of materials. Testing methods and manufacturing processes will also be investigated. A multi-instructional approach is used that appeals to many learning styles. This approach focuses on solving problems, creating student projects, working in small groups on open-ended experiments, writing as a means of learning, participating in demonstrations and activities, and using a large variety of written resources and videos. The students will experience many activities that require critical thinking and problem solving skills. Prerequisite: All students must have successfully completed Physical Science in order to enroll

in this course. This course is offered to junior and senior level students. A lab fee of \$20 will be assessed for this course.

### **MATERIALS SCIENCE AND TECHNOLOGY II (MST II)**

This course builds upon topics studied in MST I. Units will include metals, ceramics, polymers, and composites. The course will also focus on 3D printing including learning to use 3D software, drawing 3D models, and the use of 3D printing to manufacture objects. Students can expect to work through open-ended projects and experiments. The course will frequently incorporate engineering components. Students will be expected to keep an organized journal and assignments will include: journal entries, article summaries, presentations, and research based projects. Prerequisites: All students must have completed MST I with at least a B-. Good attendance is also imperative due to the nature of the course. This course is offered to seniors only. A lab fee of \$20 will be assessed for this course.

**HUMAN ANATOMY:** This introductory course and lab are an introduction to the basic components of the human anatomical systems and intended to give students an understanding of the basic principles of structure and function of the human body. Topics include the organization of the body, learning major body and organ systems, maintenance of the body, and reproduction and development. Students should have passed General Biology with grades of at least B-.

### **GENERAL BIOLOGY I:**

This year course and lab is an extension of Biology intended to provide students with an understanding of the basic principles of biology. Topics include evolution, taxonomy, cell biology, cell division, photosynthesis, metabolism, genetics, and conservation biology. Students should have passed Biology with grades of at least a B-. This year long course (BI 100) may be taken for 5 Hours of dual credit through North Central Missouri College. The textbook, Campbell Biology Ninth Edition, is provided, but students will need to bring a composition notebook for labs. Students must have an ACT score 18/Reading and 17/Math before school begins if enrolling in dual credit.

**GENERAL CHEMISTRY I:** A more rigorous introduction to chemistry, designed for those students interested in careers in science, technology, engineering or mathematics-related fields (STEM); Students will be introduced to the principles of structure and properties of matter, chemical nomenclature, stoichiometry, and bonding during this lab-intensive course. Students may take this course for dual-credit through North Central Missouri College (CH 110) for 5 credit hours. However, students may elect to enroll as a high school course only. Prerequisite: The student should have passed Algebra I and Physical Science with at least a B-. Students pursuing this course for dual credit should have a minimum score of 22 on the ACT.

### **PHYSICS:**

Physics is an introductory algebra-based physics course, designed for non-physics major. It will be a year-long course that includes topics of motion - in a straight line, plane, and circular, and Newton's laws. Energy, momentum, waves, fluid mechanics, thermal properties, the second law of thermodynamics, and nuclear energy. A course notebook will be required for classwork and labs. Prerequisites: The student should have successfully completed or be currently enrolled in College Algebra. *This course may not be offered.*

- **Upon completion of Ag Science I & II and one of the following classes: Animal Science, Agronomy, Greenhouse Operations & Management, Food Science, Natural Resources or Vet Science/Exploration of Ag Technologies students will meet the criteria for one general science requirement, however this will not replace Physical Science or Biology.**

## **PRACTICAL ARTS**



**(1 UNIT REQUIRED FOR A HIGH SCHOOL DIPLOMA)**  
**Practical Arts requirements may be met by taking courses in Family & Consumer Sciences, Industrial Technology, Agriculture, and Business.**

**INTRO TO LEADERSHIP:**

Grade Level: 9 - 10

Prerequisite: Must be a member of FCCLA

Fee: \$20 (FCCLA Dues)

The Intro to Leadership course is a comprehensive course that introduces the general study of family and consumer sciences while preparing students to be leaders in their families, careers, and communities. Students will explore how individuals develop and function in family, work and community settings and the impact of career and leadership development. Students will complete various service learning projects during this course. This course has a heavy emphasis on FCCLA (Family, Career and Community Leaders of America); the career and technical student organization for students enrolled in family and consumer sciences. FCCLA gives students an opportunity to work on careers and leadership skills.

**FCS LEADERSHIP:**

Grade Level: 10-12

Prerequisite: FCCLA Officer or permission of instructor

Fee: \$20 (FCCLA Dues)

FCCLA Leadership is a course designed to help students prepare for success in family, career, and community life. Students will be able to explore FCCLA benefits, opportunities and purposes; develop team building skills; utilize FCCLA programs to promote personal growth and leadership development; develop a plan for increasing community involvement; solve problems related to nutrition and wellness; and analyze the changing roles of family members and its effect on our communities; and utilize FCCLA programs to develop interpersonal communication techniques. Students must be a member of FCCLA to be a part of this class.

**CAREER PATHWAYS FOR THE TEACHING PROFESSION:**

Grades 11-12 (Fees will apply)

Focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education. In this program students will spend time assisting in classrooms throughout the district. Students in this class will participate in Educators Rising.

**CHILD DEVELOPMENT I:**

Grade Level: 9 - 12

The emphasis of this semester course will focus on the responsibilities involved in pregnancy, birth and caring for a child up to age 3. This course will help the students make appropriate and timely decisions about having children of their own. Understanding the developmental tasks and growth patterns of children enables the students to recognize individual differences in children and peers. Students will also be introduced to a variety of career opportunities available in the area of child care.

### **CHILD DEVELOPMENT II**

Grade Level: 9 - 12

Prerequisite: Child Development I - successful completion or permission of instructor

This semester course is a continuation of the study of how children develop from age 3 to 12 with the parents as the most important aspect of that development. Because parents are a child's first teacher, students will concentrate on ways in which they can provide the best start possible for their children. Students will be able to learn about techniques to make parenting an enjoyable and rewarding experience.

### **FAMILY RELATIONS:**

Grade Level: 10 - 12

This semester course helps students focus on family as the foundation for a strong society. The class integrates contemporary family issues and involves students in activities that help them accept responsibility, build academic and thinking skills, and strengthen values. It explores communication and relationships with family and friends, mate selection, marriage, divorce, and handling crisis, aging, and death.

### **FAMILY HEALTH:**

Grade Level: 10 - 12

Family Health is a semester course designed to study both personal and family health. This course focuses on the study of nutrition, fitness, mental health, diseases, body systems, substance abuse, CPR, and health risks with an emphasis on maintaining personal well-being. This course satisfies the health requirement for high school graduation for students who have not taken Health.

### **HUMAN DEVELOPMENT:**

Grade Level: 11 - 12

This year-long course will address development and wellness of individuals and families throughout the life cycle. Topics include human development and wellness theories, principles, and practices; roles, responsibilities, and functions of families and family members throughout the life cycle; individual and family wellness planning; prevention and management of illnesses and disease; impacts of diverse perspectives, needs, and characteristics on human development and family wellness; gerontology and intergenerational aspects, including adult care giving; contemporary family issues, including ethics, human worth and dignity, change, stress, and family crisis-abuse-violence; physical, mental, and emotional health issues,

including substance use/abuse and eating disorders; managing the family's health-related resources

**SEWING INNOVATIONS:**

Grade Level: 9 - 12

Fee: None, but costs will vary, depending on the projects that are chosen.

This course is designed to provide students with a foundation of basic sewing techniques such as use of equipment, patterns, preparation and basic sewing skills. First semester students will construct a pillow and a quilt. Second semester, students will construct a sweatshirt, pair of pants, and recycle and redesign an outfit. The class will also explore fashion through the different ages. Students should be prepared to supply materials to make these garments and basic sewing items. Costs will vary, depending upon the projects that are chosen.

**INTERIOR DESIGN I:**

Grade Level: 10 - 12

This semester course includes the study of the history of housing and historical styles, trends in housing, basics of exterior and interior construction, the relationship of the home to the family and to the environment, and the elements and principles of design.

**INTERIOR DESIGN II:**

Grade Level: 10 - 12

Prerequisite: Interior Design 1 - successful completion

This semester long course is designed to put into practice concepts covered in Interior Design 1. Other concepts emphasized will be the use of color, materials, furniture selection and arrangement, and decorating. Kitchen planning, arranging space for storage, and the process of choosing and securing a home are also studied.

**FOODS FOR LIFE I (Fall Semester):**

Grade Level: 10, 11, 12

Fee: \$40/semester

Course Description: Students will focus on learning the basics of food preparation and procedures in the kitchen including safety and sanitation, knife skills, various cooking techniques, and use of equipment. In addition, the course includes meal planning, budgeting, etiquette, plating, garnishing, and nutrition.

**FOODS FOR LIFE II (Spring Semester):**

Grade Level: 10, 11, 12

Prerequisite: Successful completion of Foods for Life I

Fee: \$40/semester

Course Description: Students will focus on the science behind the ingredients in baking basics, quick breads, yeast breads, and sauces. In addition, students will be introduced to careers in the food industry and international and ethnic specific cuisines.

**EARLY CHILDHOOD PROFESSIONS:** This course meets 3 hours per day and is a two year program. This program prepares students to work as childcare attendants, assistants, or managers of childcare centers. Instruction includes classroom and supervised lab and work

experiences aimed at developing childcare competencies. Students acquire hands-on childcare experience through "Chillicothe Early Childhood Learning Center," the Chillicothe R-2 School District's childcare center. The class also collaborates with community childcare facilities. The following units will be covered in depth: child growth and development, program planning and management, promoting cognitive, social, emotional and physical development, behavior guidance, learning experiences for children, and child abuse and neglect. Career opportunities include: childcare manager/worker, nanny, family child care business owner, **pre-kindergarten, kindergarten** or elementary paraprofessional, after-school childcare provider, and foster care provider.

Students completing the childcare program with a "C" or above and at least 90% attendance may receive 9 free college credit hours towards an Associate of Applied Science degree at NCMC in Trenton. **In addition, students are eligible to receive a Child Development Associate which is a national accreditation.**

**HOSPITALITY & TOURISM MANAGEMENT I/II:** This course meets for 3 hours a day and is a two-year certificate program. The curriculum and certification are sourced from and issued by the American Hotel and Lodging Educational Institute. This technical program introduces the student to the fast-growing, billion dollar hospitality and tourism industry from a business management perspective. The program provides broad based learning on the leadership tasks, knowledge, and skills to build a career within the hospitality and tourism industry including accommodations, food and beverage, transportation, and attractions. The course incorporates the best of modern technology with a selection of knowledge-based curriculum, guest speakers, on-site work experiences, and project-based learning through CTSOs which includes SkillsUSA and FCCLA. Ambassador opportunities are provided for students both on and off campus. MO State offers HTMP students who enroll and pay tuition, an opportunity to earn a total of five hours of college credit over the course of the two-year program.

### **ProStart:**

This course meets for 3 hours a day and is a two-year certificate program. ProStart® is a **career and technical education program** that unites the food service industry and the classroom to teach high school students culinary skills and restaurant management principles, as well as employability skills such as communication, teamwork, professionalism and time management. This exciting hands-on course is open to qualifying juniors and seniors. Curriculum includes the participation as a member of CTSOs including FCCLA and SkillsUSA. Students will participate in one competitive event of their choice during the school year. Suggested prerequisites include health and nutrition and introductory family and consumer sciences courses including but not limited to foods and culinary courses. The ProStart National Certificate of Achievement is the exciting culmination of the ProStart program. To earn it, students must complete the program, pass two national exams and complete **400 hours of mentored work experience**. Eligibility for dual enrollment to earn college credit is being explored through Missouri State.

## HEALTH SCIENCES TECHNOLOGY

**HEALTH SERVICES TECHNOLOGY I:** First year students, Juniors or Seniors.

This course is designed to prepare potential health care workers to become multi-skilled health team members. Emphasis is placed on employability, infection control, emergency care, safety, and health care skills. Over 150 hours are spent in more than 30 career pathways at medical facilities throughout the community. Examples of clinical settings include radiology, paramedic/EMT, veterinarian, registered nurse, cosmetology, dental assistant, therapy and many more. Students learn hands-on skills necessary for all health care providers, medical terminology, baseline anatomy and physiology, and a vast array of medical knowledge.

**HEALTH SERVICES TECHNOLOGY II: Seniors Only.** Students will have the opportunity to choose a curriculum that best matches their area of interest. This course utilizes a work-based learning approach with students spending over 250 hours in their career choice clinical setting. Examples of pathways that students can choose to focus on include: Physical Therapy Aide, Certified Nurse Assistant, Pharmacy Aide, Radiology Aide, Dental Aide, Medical Office Assistant, and Veterinary Assistant. Students focus on medical terminology, medical skills, and completing certifications in health care. Students must have taken HST I to enroll in this program. Students complete coursework to meet requirements for Missouri Certified Nurse Assistant (CNA).

## INDUSTRIAL TECHNOLOGY DEPARTMENT

**DRAFTING I:** This year long course is an introduction to graphic communication. Drafting is considered as the foundation of knowledge in all phases of industrial work. In this course, students get an introduction to the basic principles and different types of engineering graphics. The course will start out with drawings done manually then make a transition to CAD (Computer Aided Drafting.). Shop fee: \$10.00

**DRAFTING II (1<sup>st</sup> semester):** This semester course emphasizes design and engineering, and introduces specialized areas of drafting through the use of advanced CAD, using AutoCAD software. Students must have successfully completed Drafting I. Shop fee: \$10.00

**ARCHITECTURAL DRAWING (2<sup>nd</sup> semester):** This semester course introduces students to the fundamentals of architectural design, including learning architectural terminology (parts of a house), drawing different sections of a house using Autocad, and constructing a scaled model house. If time permits, students will design, draw and construct a small storage shed. Students must have successfully completed Drafting I and Drafting II. Shop fee: \$35.00

**METAL PROCESSING:** In this semester course, students should secure some fundamental skills using tools and machines, a knowledge and appreciation of employment opportunities in metalworking, an appreciation for the care and use of metal products, an understanding of how the raw materials are converted into finished products, and opportunities to develop some vocational interests. Shop fee: \$25.00

**AUTO SERVICE TECHNOLOGY:** This course meets for 3 hours a day and is a two year program. Job opportunities are expected to grow at an above average rate for individuals who are trained in the auto service area. They can expect to find employment in a variety of areas such as: Auto and Truck Technician, Auto Parts Specialist, Automotive Engineer, Tune-up Technician, Automatic Transmission Specialist, Air Conditioning Technician, Front End Specialist, Car Salesperson, Service Manager, Brake Specialist, Shop Foreman. Helpful high school subjects are: Drafting, Algebra Concepts, English III AC, English IV AC, Tech & Industrial Math I/II, Keyboarding, and Microcomputer Applications. Students completing the auto service technology program with a grade of "C" or above, and at least 90% attendance, will receive 30 free college credit hours at North Central Missouri College. Students completing the auto service technology program with a "B" or above, and at least 90% attendance, may receive 16 free college credit hours at Linn State Technical College in Linn. Students completing the auto service technology program with a 90% attendance and who have 70% of course competencies may receive 10 free college credit hours at Longview Community College in Lee's Summit.

**COMPUTER SERVICE TECHNOLOGY:** Interested in learning how to tear apart, rebuild, and fix computers, how information is sent on the internet in simple 1s and 0s, or how servers work on a network? Maybe you are interested in home automation and security using SMART Home Tech, increasing wireless coverage in your house, or simply wanting to build your own computer? This may be the course for you. The course goals and objectives for CST are to not only teach you these things mentioned above but also to prepare a student for a career in the information technology industry. This course is a two-year program that meets for 3 hrs a day.

Students will have the opportunity to earn industry recognized certifications like the TestOut PC Pro and Network Pro Certifications as well as CompTIA A+ and/or Network +Certifications. Individuals, with experience and training in computer/networking technologies, have excellent opportunities for employment in an ever-expanding, challenging, and rewarding career in IT. Examples include but not limited to: Field Technician, Computer Security Specialist, Technical Support Specialist, Computer Technician, Home Entertainment Equipment Installer, etc. Students completing the computer service program with a grade of "C" or above, and at least 90% attendance, will receive 30 free college credit hours at North Central Missouri College.

**COLLISION TECHNOLOGY:** This course meets 3 hours a day and is a two year program. Employment for automotive body technicians is expected to increase in the future. Those trained in this field may find employment in a variety of occupations including: Auto Body Electronics, Body Repair Person, Combination Body Repair & Paint, Frame & Structural Repair, Auto Body Mechanic, Supplies & Equipment Sales, Insurance Adjuster, Shop Foreman, Spray Painter, Estimator, Auto Restoration Technician, and Airbag Service Technician. Helpful high school subjects are: Metal Processing, Welding, Drafting, English III AC, English IV AC, Tech & Industrial I/II. Students completing the collision technology program with a grade of "C" or above, and at least 90% attendance, will receive 30 free college credit hours at North Central Missouri College. Students completing the collisions technology program with 90% attendance and who have mastered 70% of course competencies, receive 26 free college credit hours at Longview Community College in Lee's Summit.

**BUILDING TRADES:** This course meets for 3 hours a day and is a two year program. Opportunities in the construction business are expected to remain stable as there will always be new buildings going up or individuals remodeling existing structures. Students in the building trades program build a house each year. The skills students learn prepare them for employment in a variety of areas such as: Rough Carpentry, Finish Carpentry, Painting and Finishing, Building Technology, Plumber, General Repair and Remodeling, Construction Supervisor, Insurance Adjuster, Building Supplies & Sales, Concrete, Dry Wall, Roofing, Cabinetmaking, Electrician, Architect and Commercial Construction. Helpful high school subjects are: Architectural Drawing, Drafting, Accounting, Keyboarding, Microcomputer Applications, English III AC, English IV AC, and Tech & Industrial Math I/II. Students completing the building trades program with a grade of "C" or above and at least 90% attendance, may receive 30 free college credit hours at North Central Missouri College in Trenton or they may receive 6 credit hours at State Fair Community College. Those students maintaining 95% attendance and a "B" average, may apply for the carpentry apprenticeship program with the Carpenters Union in Kansas City.

**WELDING TECHNOLOGY:** This course meets 3 hours a day and is a two year program. Students who train in welding find employment in a variety of areas such as: Construction Welder, Farm & Machinery Parts Welder, Maintenance Type Welding, Aircraft Welder, Pipeline Welder, Structural Steel Fabrication, Welding Supplies Sales, Iron Workers, and Boilermakers. Helpful high school subjects are: Drafting, Metals, Tech & Industrial Math I/II, general shop courses, English III AC, and English IVAC. Students completing the welding technology program with a grade of "C" or above, and at least 90% attendance, will receive 30 free college credit hours at North Central Missouri College. Those students maintaining 95% attendance and a "B" or above, may enter the welders apprenticeship program with the Ironworkers Union in Kansas City.

# TECHNOLOGY AND ENGINEERING

## **PROJECT LEAD THE WAY (PLTW): COMPUTER SCIENCE ESSENTIALS (software coding basics- Step 1):**

In Computer Science Essentials, students will explore software coding basics with the use of three languages (MIT App Inventor, Python, and Vex). The students start by using the block-based programming of MIT App Inventor to create phone/tablet apps. They will then seamlessly transition to text-based programming with Python and complete the course using Vex (self driving vehicles - like robots). Students will apply computational thinking practice and collaborate just as computing professionals do with authentic industry standard tools. This course empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose. Students will learn about professional opportunities in computer science and how computing can be an integral part of all careers today. CSE helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, Cyber Security, and beyond, if they desire to do so. All students who take CSE will have many opportunities for creative expression and exploration in topics of personal interest. This may be used for 3rd math or science credit if taken Junior or Senior year. Freshman through senior level course.

## **PROJECT LEAD THE WAY (PLTW): COMPUTER SCIENCE PRINCIPLES (software coding - Step 2):**

In Computer Science Principles, students will get deeper into software coding using Python. Students will tackle challenges like app development and simulations as well as explore and become inspired by career paths that utilize computing, and discover tools that foster creativity and collaboration. This course empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose. *This course is endorsed by the College Board, giving students the opportunity to take the AP CSP exam for college credit. Sophomore through senior level course. Prerequisite: Computer Science Essentials or Instructor Approval.*

## **PROJECT LEAD THE WAY (PLTW): COMPUTER SCIENCE A (software coding - Step 3):**

In Computer Science A, students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases, as well as creating a game for students for their friends or an app to serve a real need in their community. The focus will be on Java as the coding language. This course empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose. *This course is endorsed by the College Board, giving students the opportunity to take the AP CSP exam for college credit.* There is a prerequisite of Computer Science Principles.

## **PROJECT LEAD THE WAY (PLTW): CYBERSECURITY:**

In Cybersecurity, students learn how to defend data in today's complex cyberworld whether they are seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data. This course empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, or any career path they



choose. This course does not have a prerequisite and can be taken at the same time as Computer Science Principles or Computer Science A.

**PROJECT LEAD THE WAY (PLTW): INTRODUCTION TO ENGINEERING DESIGN (LEV. 1):**

This course is intended for students who are interested in solving problems and design/engineering products. This course will cover design basics, assembly design, thoughtful product design, and making things move. These topics will include CAD with Fusion 360, VEX robotics pieces and gears, sketching, 3D printing, reverse engineering, and material properties. The design thinking process is used throughout this course as well as employability skills such as working with a group, communicating in a variety of ways, and making decisions. This course will benefit students who plan to major in engineering in college, as well as those students who are enrolled in a 3-hour block technical programs and plan to go directly to work in the fields of manufacturing and engineering.

**PROJECT LEAD THE WAY (PLTW): PRINCIPLES OF ENGINEERING (LEV. 2):**

Throughout the program, students will complete various projects and develop engineering knowledge and skills. As students work in teams to design and test solutions, they develop in-demand skills such as collaboration, critical thinking, and communication. Through hands-on problems, students explore a broad range of engineering topics, including circuits, simple compound machines, the strength of structures and materials, alternative energy sources and automation with robotics and sensors. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. You do not have to be interested in becoming an engineer to take this course-- anyone who enjoys hands-on work and building will like this course.

Prerequisite: Introduction to Engineering Design or instructor approval

**PROJECT LEAD THE WAY (PLTW): DIGITAL ELECTRONICS:**

This course will cover foundations in electronics, combinational logic, sequential logic, and controlling real world systems. Students will design circuits, combinational logic circuits, sequential circuits with motors. Students will solder and de-solder components to circuit boards, use a probe/oscilloscope, and create a program to manage inputs and outputs of a microcontroller. These skills are in high demand in industry. Students will work together in teams and individually, problem solve, and research and present. You do not have to be interested in becoming an engineer to take this course--anyone who enjoys hands-on work and is interested in electronics is welcome!

**ENGINEERING CAPSTONE COURSE:**

Students that have been enrolled in two or more engineering courses can take the Engineering Capstone course. During this course, students must come up with a problem to solve or partner with a local industry and apply their engineering knowledge to help solve problems for the local industry. The student must document all work, manage their time, and be a self-starter. Students must be a senior and get approval from the instructor.

# AGRICULTURE DEPARTMENT

**Note: Enrollment in Ag Education is a year-round process, which includes classroom instruction, SAE projects, and membership in Chillicothe FFA.**

**AG SCIENCE I:** Ag Science I is an introduction to Ag Education and gives special attention to application of science in the livestock industry and record keeping and computers. Students will investigate career opportunities in agriculture and consider their own career choice. A unit on leadership including FFA will also be taught.

**AG SCIENCE II:** Students need to complete Ag Science I before enrolling in this class.

Ag Science II gives special attention to: applications of science to the production of field crops, soils, and fertilizers; further development of skills in ag mechanics, recording-keeping, personal finance and computers. A unit on leadership will include practice in public speaking and parliamentary procedure. Units covering ag math, conservation, and careers, will also be covered. **Students must complete Ag Science I before enrolling in this class, or take Ag Science I and Ag Science II concurrently.**

**ANIMAL SCIENCE:** Available to students who have completed Ag Science I & II. This course is an advanced course in animal science. Livestock units covered include the modern livestock production of both cattle and swine, along with animal reproduction, nutrition, and evaluation. Students also study units in public speaking, record keeping and computers. Enrollees will maintain personal and business records in the Missouri Agricultural Record Book for Secondary Students.

**VET SCIENCE:**

This semester course is designed for students who are interested in exploring the field of Veterinary Science as a possible career in the pathway of Animal Science. This course will provide instruction in many of the following areas of Parasitology, Anatomy & Physiology, Animal Breeds, Animal Nutrition, Animal Management, Animals in Society, Career Exploration, Clinical Exams, Hospital Procedures, Lab Techniques, Office Management, Principles of Disease, Safety & Sanitation & Veterinary Terminology & FFA Record Books.

**PREREQUISITES: AGRICULTURE SCIENCE 1 & 2**

**EXPLORATION OF AG TECHNOLOGIES:**

This semester course is designed for students who are interested in exploring various fields of Technologies involved in Crop Science, Animal Science, Aquaculture, Research & Renewable Energy as a possible career in the pathway of Agriculture, Food & Natural Resources. This course will provide instruction in many of the following areas of Drone Technology, Scientific Research Methodology, Renewable Energy Sources, Crop & Animal DNA Exploration, Emerging Crop and Animal Technologies & Aquaculture Systems.

**PREREQUISITES: AGRICULTURE SCIENCE 1 & 2**

**AGRICULTURE BUSINESS COMMUNICATIONS: Available to students who have completed Ag Science I & II.** This is an advanced course in agriculture business communications. Units covered include: personal finance, agriculture business, writing and document design, business correspondence, computer skills, communication, media and technological presentations. Students also study units in public speaking, record keeping, and computers. Enrollees will maintain personal and business records in the Missouri Agricultural Record Book for Secondary Students.

**GREENHOUSE OPERATIONS & MANAGEMENT: Available to students who have completed Ag Science I & II.** This is an advanced course in the basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, grafts, and layering. Students will manage crops as a greenhouse project. Enrollees will maintain personal and business records in the Missouri Agricultural Record Book for Secondary Students.

**NATURAL RESOURCES/APPLIED ENVIRONMENTAL SCIENCE: Available to students who have completed Ag Science I & II.** This course is designed for students who plan to pursue a career related to natural resources and/or environmental science. It will provide students with an introduction to the relationship of humans, agriculture and the environment. Units of study include: Grassland Management, Fish and Wildlife Management, Turf and Landscape, Applied Environmental Science, and Leadership Development. Enrollees will maintain personal and business records in the Missouri Agricultural Record Book for Secondary Students. This course is offered every other year and will be offered in the 2024-2025 school year.

**AGRONOMY: – Available to students who have completed Ag Science I & II.**

This course will cover crop science, precision agriculture, crop business management, quality plant breeding and biotechnology. Also includes computer applications, careers and public speaking as they relate to decision-making in production agriculture and agribusiness. Enrollees will maintain personal and business records in the Missouri Agricultural Record Book for Secondary Students. Ag Science I & II are prerequisites for this class.

**AGRICULTURE MECHANICS/PROPERTY MAINTENANCE: Available to students who have completed Ag Science I & II and Instructor Approval Required.** This course is designed for students to develop knowledge of agriculture mechanics. This course includes selection, operation, adjustment, maintenance and repair of machinery commonly used on the farm or home, improvement of landscaping associated with the Litton Ag Center. Enrollees will maintain personal and business records in the Missouri Agricultural Record Book for Secondary Students. The class will be limited to 10 students. **Any student enrolled in a shop class must also be enrolled in a classroom class. Students must be approved by the teacher to take this class.**

**AG CONSTRUCTION I:** This class is open to juniors and seniors who have completed Ag Science I and Ag Science II who are currently enrolled in Agronomy, Animal Science, Natural Resources, Agriculture Sales, Ag Business Communications, Greenhouse Operations & Management, Food Science, Natural Resources, or Ag Management. The course content will include operation and safety of tools housed in the laboratory, basic electricity, arc and gas metal welding, also operation of oxy-acetylene torch and plasma cutting operation. Discussion of project drawings will be covered and students may later construct a project. **Any student enrolled in a shop class must also be enrolled in a classroom class.**

**AG CONSTRUCTION II:** The course is for students who have successfully completed Ag Construction I. Students will learn advanced welding skills and will design and construct a major construction project(s). **Enrollment by instructor approval only. Any student enrolled in a shop class must also be enrolled in a classroom class.**

**FOOD SCIENCE AND TECHNOLOGY:** Available to students who have completed Ag Science I & II. This is an advanced course in the areas of food chemistry and nutrition, food additives, food packaging and labeling, evaluation of foods, food microbiology, food processing, food fermentation, principles of sanitation and quality control. Enrollees will maintain personal and business records in the Missouri Agricultural Record Book for Secondary Students. This course is offered every other school year. It will be offered in the 2023-2024 school year.

**AG MANAGEMENT I:** This course is required for all seniors enrolled in ag classes and will cover ag credit, ag law, ag marketing, ag accounting, and ag sales. It also includes computer applications in economics as they relate to decision-making in production agriculture and agribusiness. Enrollees will maintain personal and business records in the Missouri Agricultural Record Book for Secondary Students. **Students must have completed Ag Science I, Ag Science II, and Agronomy, Animal Science, Natural Resources, Food Science, Greenhouse Management or Ag Business Communications to enroll in this class.** This course may be taken for 3 hours of college credit through North Central Missouri College. (AG 100)

- **Students completing the agriculture program with a grade of "C" or above, and at least 90% attendance may receive 6 free college credit hours at North Central Missouri College in Trenton.**
- **Upon completion of Ag Science I & II and earning a passing grade in a state approved personal finance assessment, students will meet the competency requirements for personal finance.**
- **Upon completion of Ag Science I & II and one of the following classes: Animal Science, Agronomy, Greenhouse Operations & Management, Food Science or Natural Resources, students will meet the criteria for one general science requirement, however this will not replace Physical Science or Biology.**

- **The Ag Business Communications course will satisfy a communication arts requirement, however this course will not replace the English I, II, or III requirements. Students need to visit with their high school counselor to determine if the course will satisfy college entrance requirements.**
- **The Ag Management II course will satisfy a social science requirement, however this course will not replace Government or United States History.**

## BUSINESS DEPARTMENT

**INTRO TO BUSINESS:** Every career has a business side—schools, sports teams, landscapers, engineers, medical personnel, etc. Start developing skills now that will help you as an employee, consumer, and whatever career your future has in store! Topics covered will be entrepreneurship, business ethics, technology, careers, economics, business communications, international business, and more. If interested in any business concepts, this class is for you! Open to freshmen level students.

**PERSONAL FINANCE:** Personal finance is designed to prepare students to make wise financial decisions. Topics include: personal budgeting, banking services, understanding credit, taxes, investment options, risk management, automobile purchases, and consumer rights and responsibilities. Emphasis is placed on developing decision-making skills for real life financial situations. This course is a graduation requirement. Open to sophomore, junior or senior level students.

**ACCOUNTING I:** This course is designed to provide an understanding of the basic elements and concepts of double-entry accounting systems. Accounting I will provide students with a solid background for employment in office jobs and preparation for studying business courses in college. Topics covered include: accounting careers, transaction analysis into debit and credit parts, journalizing transactions, posting to ledgers, worksheet preparation, preparation and analysis of financial statements, and recording adjusting and closing entries. Students will complete work for businesses established as sole proprietorships, partnerships, and corporations. If a student is considering any type of business degree in college, a must have as the college level skips the basics provided in Accounting I. Open to junior or senior level students. **Sophomore students by teacher approval only.**

**ACCOUNTING II:** This course is designed to help the student acquire a more thorough, in-depth knowledge of accounting procedures and financial decisions. This course is a good college preparatory course for any student interested in going into the business field in the areas of accounting, finance, business management, marketing, etc., or an entry-level office position such as an accounting clerk or bookkeeper. Students will develop skills in analyzing and interpreting information common to partnerships and corporate forms of organization, preparing financial statements and supporting schedules, and using inventory and budgetary

control systems. Students also complete a corporate accounting simulation using Automated Accounting software. This is a junior or senior level course. Prerequisite: Accounting I.

**MICROCOMPUTER APPLICATIONS:** This computer applications course is designed to help students prepare for entry-level employment in the field of computers and information services and/or to help them prepare for more advanced college computer courses. Students will receive instruction in the field of information processing, which includes hands-on experience utilizing word processing, spreadsheet, database, and presentation software. Students will be using a Windows 10 platform and Office 2019 integrated software suite. This course is approved for sophomore, junior or senior level students. This course may be taken for 3 hours of college credit through North Central Missouri College (BT 160). In order to receive the dual credit, students must complete the year-long course. This course is open to sophomore, junior and senior level students.

**BUSINESS MANAGEMENT:**

This semester course is designed to help students develop an understanding of skills and resources needed to manage a business. Instruction includes a general overview of American business, forms of business ownership, personnel management, labor-management relations, public and human relations, taxation and government regulations. The use of computers and software as tools in making business decisions in areas such as accounting, sales analysis, and inventory control is also introduced.

**BUSINESS ECONOMICS:**

This semester course is designed to help students understand economic concepts necessary for their participation in a capitalist system as wage earners, business owners, producers, and investors. Basic economic concepts like supply and demand, competition, growth and stability are emphasized. Topics include the government's role in the economy, the sharing of economic risks and the effect of inflation and monetary policies on national and international economics.

**DESKTOP PUBLISHING/GRAPHIC ARTS:** This area of instruction provides content for employment in career areas, which includes desktop publishing skills. Demand in this area will continue to expand as businesses utilize advanced desktop publishing skills to increase their production efficiency and improve the creativity and quality of business documents and publications. This course is designed for students to gain knowledge and proficiency in the creation of various projects such as brochures, publications, posters, invoices, business cards, flyers, advertisements, and many other functional documents. Creativity and critical thinking will play a large part in this course. This course introduces the novice publisher to the features of Microsoft Publisher, Adobe Indesign and Illustrator, as well as Adobe Photoshop. Photoshop will be used throughout the class and incorporated into the activities completed throughout the year. The students will learn an overview of the software product's capabilities and functions. Additional online graphic design software, such as Canva, will also be explored. This course is open to sophomore, junior or senior level students.

**MULTIMEDIA/WEB PAGE DESIGN:** This course is a hands-on learning experience designed to give students the opportunity to construct web pages and electronic presentations. Students are encouraged to use their creativity to complete projects on a variety of projects. Instruction includes creating web pages first using Hypertext Markup Language (HTML), then creating informational websites incorporating text, graphics, tables, etc. Software includes online templates and/or Adobe Dreamweaver. This course also incorporates advanced elements of PowerPoint including audio and visual elements. Projects in Adobe Spark, iMovie, and Sony Vegas are also included to create videos and commercials. This course is open to sophomore, junior or senior level students. Microcomputer Applications is suggested as a prerequisite, but is not required.

**ENTREPRENEURSHIP & SMALL BUSINESS MANAGEMENT:** Entrepreneurship is the act or process of getting into and managing one's own business enterprise. The course is designed to help students learn what they need to know to be entrepreneurs. Lessons will focus on the characteristics of entrepreneurs and lead students through the process of setting up a business. Students will learn how to spot opportunities, how to choose one that's right for him/her, and how to minimize the risks of running a business. Additionally, they will study e-commerce, specifically, how e-business differs from traditional business. They will learn how it affects them as consumers and as business owners. Even students who choose not to run their own business will benefit from taking this course and learning to utilize the entrepreneurial way of thinking. The knowledge and skills of entrepreneurship can assist people along any paths they choose to follow for the rest of their lives. This course is open to junior or senior level students.

**SOCIAL MEDIA & DIGITAL MARKETING:** (Junior & Senior - .5 credit):The course is designed to provide you learning experiences and key concepts regarding social media marketing and each of the main social media platforms. Also presented are foundational elements of marketing and concepts on digital marketing practices, including SEO and email marketing. By experiencing social media marketing through an online simulation and with real-world applications for local clubs and non-profits, you will have a foundation to help you succeed in social media and digital marketing today and in your potential professions.

**BANKING AND FINANCE:** This semester course is designed for juniors and seniors who have completed Personal Finance. The curriculum expands upon the lessons learned from Personal Finance. The course will provide an in-depth look at the financial security of saving/investing for the future (through stocks, bonds, mutual funds, and real estate), income tax filing, consumer lending, insurance selection, and more. If interested in a career in banking, finance, or insurance - or if you just want to feel extra prepared for financial decision making in adulthood - this class is for you!

**MARKETING 101:**

This semester long course is designed to teach the fundamentals of business and marketing. This class focuses on current topics in business and marketing, including the 4 P's: Product, Price, Place & Promotion. The class also includes topics related to retail sales/selling process, business presentations, management, entrepreneurship, ethics, career exploration, and

business and marketing plans. Students taking this class will have the opportunity to participate in the FBLA organization. This course is open to junior and senior level students.

### **SPORTS & ENTERTAINMENT MARKETING:**

This semester long course is designed to discuss topics through the lens of sporting or entertainment events and will include: economics, marketing research, the sales process, relevant careers, risk management, marketing segmentation, and ethics. A Virtual Business Simulation will be used for students that allows them to 'run' a stadium's events and games. Students will have the opportunity to participate in the FBLA Organization. This course is open to junior and senior level students. Marketing 101 is a prerequisite for this class.

**Students completing Accounting I & II, Entrepreneurship, and Microcomputer Applications with a "B" or above and at least 90 % attendance will receive 9 free college credit hours transferable to Penn Valley Community College in Kansas City. Students completing Accounting I & II with a cumulative grade point average of 3.0 in the career and technical program and have an overall GPA of 2.0 will receive 3 credit hours in Business Accounting Technology at Moberly Area Community College.**

## **ELECTIVES**

### **LEADERSHIP:**

Grade Level: 11 - 12

Prerequisite: Completed application is required with permission of instructor & principal  
This course provides an opportunity to study, practice and develop group and individual leadership and organizational skills. These skills include but are not limited to decision-making skills, problem-solving techniques, communication skills, leadership roles, human relation skills and understanding the need for civic responsibility. Students who take this course will apply these skills in dealing with peers, school administrators and the community. It is a hands-on, lab-oriented approach to leadership.

### **ACT PREP:**

This one semester course is designed to provide testing and practice opportunities for students desiring to prepare for the ACT. The ACT Prep course will emphasize ACT test-taking strategies, specifically math skills, language skills, reading skills, science-reasoning skills, and writing skills. Students will study and practice listening and note taking techniques, test taking strategies, questioning and thinking skills, information retrieval, pre-ACT test practice, memory technique, reading in the content areas, and vocabulary development with the central goal to increase both test scores and composite scores. All ACT tests will be reviewed: English, Math, Reading, Science Reasoning, and Writing.



**SPEECH (COMMUNICATION SKILLS):** This course is the study of the theory of speech communication with emphasis on the development of specific skills in one-on-one and public speaking situations. Students will practice Impromptu speaking skills and extemporaneous speaking skills through four major speeches: Introduction, Demonstration, Analysis, and Persuasion. This class is an elective and does not fulfill an English requirement.

Communication Skills (CT 101) is a one-semester course and may be taken for 3 hours of college credit through North Central Missouri College. Students must have an ACT score before school begins if enrolling in dual credit. This course may be a blended-learning course.

**COMMUNICATION I (YEARBOOK):**

Grade Level: Juniors and Seniors

The objective of this course is to prepare materials for publication of the Cresset, the Chillicothe High School yearbook. Its purpose is to record the events of the school through pictures and words. To be on staff, students need to exhibit these qualities: superior skills in writing and spelling, ability to create and design through the use of software, skill in photography, an attention to detail and deadlines, and the ability to proofread. All must have a commitment to record the school's history as fairly and accurately as possible. Staff members must make an application and be available for an interview. Selection is made at the discretion of the advisor. This class is an elective and does not fulfill an English requirement, but can fulfill a practical art.

**COMMUNICATION II (YEARBOOK):**

Grade Level: Seniors

For those students who have satisfactorily completed Communications I and desire to assume more responsibility. This class is an elective and does not fulfill an English requirement, but can fulfill a practical art.

**INTRODUCTION TO MEDIA COMMUNICATIONS**

This year-long course is designed as an elective or practical art and is open to students in grades 10-12 by application only. In this class, students will read examples of news articles from small and large publications, will learn the duties and responsibilities of an ethical and informed press, and will learn the process of objective and informative journalism: gathering information, interviewing, writing, editing, publishing. The staff will collectively design and produce an online periodical school newspaper called the *Chilli-Chatter*. Successful applicants will be able to work independently and collaboratively under strict deadlines. Staff members must make an application and be available for an interview. Selection is made at the discretion of the advisor. This class is an elective and does not fulfill an English requirement, but can fulfill a practical art. This course will only be offered if enough qualified staff members apply.

**AUDIO VIDEO PRODUCTION I & II:**

**Audio Video I is a semester course and a prerequisite for AV II.**

**Audio Video II is a year long course.**

This class introduces students to the fundamentals of audio and video productions. Students engage in hands-on experiences as they learn the basics of filmmaking: pre-production, production, and post-production. They develop skills in planning, organization, script writing, interpersonal communication, team building, and media literacy. Students participate in every

aspect of video production, from editing to directing on-screen talent. Students produce video products in the form of narrative/dramatic, informational/documentary, promotional/persuasive, and creative/music video. They work individually, with partners, and in collaborative groups. Students must be able to work collaboratively with everyone, respect others' viewpoints, backgrounds, personal space, and belongings.

## **FINE ARTS DEPARTMENT**

**(1 UNIT REQUIRED FOR A HIGH SCHOOL DIPLOMA)**

**Fine Arts requirements may be met by taking courses in Art, Drama, and Music.**

### **ART DEPARTMENT**

Visual arts education contributes to all goals of public education including academic achievement, personal development, literacy, citizenship, and education for employment. Art enhances all areas of the curriculum by developing critical thinking and communication skills. It teaches students to visualize, observe, analyze, reason, and develop skills necessary for general education. Art education is essential to the mental, physical, and emotional development of all students. It encourages students to tap the diversity of human intelligence and to use the skills acquired to create a personal vision.

**BASIC DESIGN (1<sup>st</sup> semester):** This is an introductory semester art course, which is the prerequisite of other art courses. Focus is on the study of the elements (line, value, shape/form, color, texture/pattern, space) and the principles of design (balance, rhythm, unity, contrast, proportion, emphasis) and how they relate to each other in a composition. Students will do drawing, painting, and sculpture to learn the ideas, language, and techniques of the artist. Assignments include: Still life, value scale, texture grid, patterns, color wheel, contour drawing, gesture drawing and perspective drawing. Open to students in grades 9-12

**ADVANCED DESIGN (2<sup>nd</sup> semester):** This semester course is designed to develop the skills to observe, analyze, and record three-dimensional form on a two dimensional plane. Basic drawing skills, painting techniques, collage, and sculpture will be studied. This course emphasizes the development of artistic skills and the creative thought process. A variety of materials will be used. Assignments may include: printmaking, weaving, fibers and collage. Open to students in grades 9-12. Prerequisite: Basic Design.

**THREE DIMENSIONAL ART:** In this semester course, students will design and make large and small three dimensional works of art in a variety of media. Cardboard, paper, wood, wire, plaster, and clay will be used. Students will demonstrate basic skills in design and construction using the forming techniques of the carving, modeling and assemblage. Some assignments may include: 2D to 3D, folded book, Papier-mâché animal, and wire sculpture. Open to students in grades 9-12.

**ART APPRECIATION:** This semester course covers the many aspects of art, from creating art to enjoying art. It is also an overview of the history of art from prehistory to modern art. Students will use textbooks, movies, online research and lectures to examine artists and artwork from many periods and cultures. Students will discover the wide range of reasons why man creates art. Assignments include: Artist Palette Report, Art movement powerpoint presentation, and current events/contemporary issues in art. This is not a studio course.

**ART MASTERS:**

Prerequisite: Basic Design,

This year long class is designed for a limited number of students who are considering a career in art and/or seriously interested in expanding their visual art knowledge and skills. Selection is made through a competitive drawing submitted for teacher evaluation, judged on technique and creativity. As part of the curriculum, students will design and prepare an art calendar, paint murals, and work on community-related art projects. Students 10<sup>th</sup> through 12<sup>th</sup> grade are eligible to audition. 9<sup>th</sup> grade students must have Basic Design prior to auditioning. **Students must go through an audition process, there will be studio fees for students.**

**DRAMA DEPARTMENT**

**DRAMA I:** Theater plays a vital role in history and in today's society. This class consists of acting training, theater history, makeup, stage movement, and stagecraft. The reading and viewing of plays, analysis of play structures and themes, and impromptu and prepared acting are all components of this course. Training in speech and drama can do much to aid in the development of personality, poise, and confidence. Drama I is open to students 10<sup>th</sup> through 12<sup>th</sup> grades. The drama class is separate from drama productions, although drama class students are encouraged to audition for drama productions.

**ADVANCED DRAMA INDEPENDENT STUDY:** In this course students will read plays from American and British playwrights that are more challenging than the plays read in Drama I. Students in this course should expect to write a research paper on a playwright, learn advanced drama tech, and assist with the fall or spring productions. Instructor approval is required.

**MUSIC DEPARTMENT**

The study of music is vital to a student's education for its aesthetic, historical, and cultural value. The study of music makes special contributions to the student's creative development, self-discipline, critical thinking skills and self-esteem. Students who participate in music are also aided in coordination, goal setting, concentration, self-expression, and cooperation. Through music experiences, students can become better listeners and can develop musical intelligence. They also develop pride and a sense of accomplishment as young musicians. Only offered with Instructor Permission.

**MIXED CHORUS:** (treble and bass voices) Grades 9-12. Mixed Chorus is a non-auditioned ensemble for students with little to no experience in choir. Focus is on proper singing techniques, vocal health, collaboration, and performance. A variety of literature from traditional choral music to pop and jazz is performed, with some dance requirements. All scheduled performances are required.

**CHS TREBLE SELECT:** (treble voices) Grades 9-12. A variety of literature from traditional choral music to pop and jazz is performed, with some dance requirements. All scheduled performances are required. Audition or director permission required.

**CHORALIERS:** (treble and bass voice) Grades 9-12. This ensemble is an intermediate to advanced performing ensemble. Focus is on advancing proper singing techniques, vocal health, collaboration, and performance beyond the beginning level. This choir will sing concert music as well as show music, and is the “face” of the CHS Vocal Music Department. All scheduled performances are required. Audition or director permission required.

## **INSTRUMENTAL MUSIC**

**BAND:** This class is for students who have completed technique requirements as stipulated by the band directors. Band members are required to attend all scheduled performances during the year, which will include some weekend activities. The Marching Hornets perform at all home football games, local parades, and compete in festivals in the fall. This class is a requirement for participation in optional activities, including Chilli-Peppers, the pep band for pep assemblies and home basketball games, and Jazz Band, which performs locally and attends one or two competitive festivals in the winter. Members of the flag corps and twirlers must also take Band as a class. Auditions for flag corps and twirling occur in the spring prior to the named school year.

## **GENERAL MUSIC**

**MUSIC APPRECIATION:** This one semester class explores the history of a wide variety of musical styles. No prior music performance is required.

**MUSIC & FILM:** Music has been a part of the film industry longer than dialogue. From silent films to modern day, music has been an integral part of the cinema. This course centers on exploring that music. Additionally, we will look at music from a similar medium: video games.

# PHYSICAL EDUCATION DEPARTMENT

**(1 UNIT REQUIRED FOR A HIGH SCHOOL DIPLOMA)**

**(1/2 UNIT HEALTH REQUIRED FOR A HIGH DIPLOMA)**

**PE:** This is a year-long physical education course that meets daily. This course must be passed in order for students to earn a high school diploma. Students wanting to enroll in additional PE courses must maintain a "C" average in this freshman PE course.

**BODY CONDITIONING:** This course meets daily and is designed for 9th -12th grade. This course emphasizes weight training, cardiovascular development, plyometrics, agility, and flexibility. The exercise program will be sequenced from day to day to assure a well-rounded, total program. Students may repeat this course if there is room. Students must provide weather appropriate gym clothing for the course. This course fulfills the Physical Education requirement for graduation.

**HEALTH:** Health class emphasizes the importance of knowledge, attitudes, and practices relating to personal health and wellness. Topics of exploration include but not limited to physical fitness, nutrition, body systems, mental health, stress, communicable and non-communicable disease, and ATOD (alcohol, tobacco, and other drugs.) This course must be passed in order for a student to earn a high school diploma.

**LIFETIME SPORTS:** This course meets on a daily basis and is designed for 10<sup>th</sup> -12<sup>th</sup> grade students who have completed the PE and Health requirement. Students will perform a wide variety of team, individual, and lifetime sports. Strength training and health related topics will be emphasized. **Students must have passed freshman PE with a "C" to take this class.**

## OTHER SERVICES

**SPECIAL EDUCATION:** Special Education services are provided to students who have an I.E.P. (Individualized Education Plan) and others who qualify for services. Services include: Educable mentally handicapped, learning-disabled, behavior disordered. At-risk services are provided at the Vocational School for vocational related courses and also for the high school core courses.





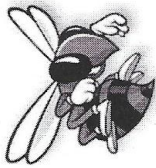






## Individual Career and Academic Plan (ICAP)

Chillicothe High School



1st Semester	2nd Semester	Review Annually	Select a Career Path
Comp & Lit I	Comp & Lit I	9th Grade Review Date: _____ Student's Signature(s): _____ Parents/Guardians' Signature(s): _____	<ul style="list-style-type: none"> <li><input type="radio"/> Arts &amp; Communication</li> <li><input type="radio"/> Business Management &amp; Technology</li> <li><input type="radio"/> Health Services</li> <li><input type="radio"/> Human Services</li> <li><input type="radio"/> Industrial &amp; Engineering Technology</li> <li><input type="radio"/> Natural Resources &amp; Agriculture</li> </ul>
US History	US History		
Physical Science	Physical Science	10th Grade Review Date: _____ Student's Signature(s): _____ Parents/Guardians' Signature(s): _____	<p><b>Career Cluster</b></p> <p>_____</p> <p><b>Program of Study</b></p> <p>_____</p> <ul style="list-style-type: none"> <li><input type="radio"/> A+ Program</li> <li><input type="radio"/> Career and Technical Education Certificate</li> <li><input type="radio"/> College Preparatory Certificate</li> <li><input type="radio"/> Industry Recognized Credential</li> <li><input type="radio"/> NCAA or NAIA</li> <li><input type="radio"/> Technical Skill Attainment</li> </ul> <p><b>Postsecondary Goals</b></p> <p>_____</p> <p>_____</p> <p>_____</p>
PE or Body Cond	PE or Body Conditioning		
		11th Grade Review Date: _____ Student's Signature(s): _____ Parents/Guardians' Signature(s): _____	<p><b>Postsecondary Options:</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> Area Career Center</li> <li><input type="radio"/> Employment</li> <li><input type="radio"/> Military</li> <li><input type="radio"/> 2 year College</li> <li style="padding-left: 20px;">Major: _____</li> <li style="padding-left: 20px;">Minor: _____</li> <li><input type="radio"/> 4 year College or University</li> <li style="padding-left: 20px;">Major: _____</li> <li style="padding-left: 20px;">Minor: _____</li> <li><input type="radio"/> Other: _____</li> </ul>
Comp & Lit II	Comp & Lit II		
Western Civilization	Western Civilization	12th Grade Review Date: _____ Student's Signature(s): _____ Parents/Guardians' Signature(s): _____	
Biology	Biology		
Personal Finance/Health	Personal Finance/Health		
Government	Government		

Learning Opportunities			
Educational/Career Goals	Work Based	Extracurricular Activities	Co-curricular Activities
<p><b>Short-Term:</b></p>          <p><b>Long-Term:</b></p>	<p>Apprenticeship Career Research Cooperative Education Employment Internship Mentorship Resume/Job Application/ Mock Interview Service Learning Project Volunteer</p>	<p>List with number of years involved and any positions held. Examples but not limited to: Athletics, Clubs, Leadership, Student Council.</p>	<p>List with number of years involved and any positions held. Example but not limited to: CTSO, Debate, Drama, Marching Band.</p>
			<p><b>Assessments/Inventories/ Academic Results</b></p> <p><input type="checkbox"/> MO Connections Interest Inventory</p> <p><input type="checkbox"/> ACT: _____</p> <p><input type="checkbox"/> ASVAB: _____</p> <p><input type="checkbox"/> PSAT: _____</p> <p><input type="checkbox"/> SAT: _____</p> <p><input type="checkbox"/> ACT WorkKeys: _____</p> <p><input type="checkbox"/> Other: _____</p>  <p><input type="checkbox"/> Career Fair/Expo:</p> <p><input type="checkbox"/> FAFSA Workshop/Filed:</p> <p><input type="checkbox"/> Scholarship Exploration:</p>

Postsecondary Applications				
College Prep Coursework (Dual Credit)			Postsecondary Applications	
Class Name	Number of Hours	Transferable	Name of Institution	Prepared
Total:				

Minimum Requirements	Number of Hours	Transferable	Status
<input type="checkbox"/> American Civics exam			
<input type="checkbox"/> Missouri Constitution Exam			
<input type="checkbox"/> U.S. Constitution Exam			
<input type="checkbox"/> 30 min CPR/First Aid Instruction			
Language Arts – 4 credits			
Mathematics – 3 credits			
Social Studies – 3 credits			
Science – 3 credits			
Fine Art – 1 credit			
Practical Art – 1 credit			
Physical Education - 1 credit			
Health - .5 credit			
Personal Finance - .5 credit			
Electives- 7 credits			
<b>Total of 24 credits + meet all graduation requirements</b>			

