

# NEW BREMEN HIGH SCHOOL



COURSE GUIDE

2024-2025



Dear New Bremen Parents and Students,

The process of planning your academic program is one of the most important tasks you will perform during your high school years. The courses you take are not merely classes required to graduate from high school, but opportunities to prepare yourself for higher learning, the workforce, and success in life. The courses you select should reflect your current interests as well as future goals.

Students select available courses that determine their course of study for the next school year. Such selections are to be made carefully. They are also considered "BINDING" upon the student following a verification of the choices. Students have the freedom of choice in the selection of courses, and it must be understood that such courses should be chosen carefully and with genuine consideration for the student's future. Once course choices are made, every effort should be exercised by the student and the parent to adhere to them.

New Bremen High School offers different courses designed to meet the needs of our student population. In addition to courses offered at the high school, a wide variety of programs are provided for 11th and 12th grade students at Tri Star Career Compact. Students also have the opportunity to participate in College Credit Plus (CCP) upon meeting the necessary requirements. If you have questions about any of these courses or your graduation requirements do not hesitate to contact Mr. Lauterbach.

## **USING THE COURSE GUIDE**

Our goal here at New Bremen High School is for every student to have a successful and meaningful school experience that will prepare them for their selected path after finishing high school. The scheduling process is a very important step each year to select the best options for meeting their future goals.

The course guide will break down each course and its necessary prerequisites, expectations, and descriptions. Students and their families are encouraged to become familiar with the course options and to discuss the planning of their course of study through high school.

**NOTE: Course offerings and descriptions may be subject to change.**

# CURRICULUM DELIVERY

## Post-Secondary Enrollment through College Credit Plus

Students entering their freshman through senior years of high school have the opportunity to take college coursework for college credit or a combination of high school and college credit. The grade earned will be used in both the cumulative college grade point average and the high school grade point average. In order to participate, students must meet all admission requirements of the post-secondary institution he or she desires to attend. Students who plan to participate in the program must notify New Bremen High School in writing of their intention by April 1. Intent to Participate forms are available in the high school office or can be submitted as part of the Scheduling Requests process. When a student graduates from high school, not only would he/she need a high school transcript sent to the college of his/her choice, he/she would also need a transcript from the college that they received CCP credit from (requested by the student) sent to the college the student plans to attend after high school.

## Dual Enrollment (Subject to change)

Dual Enrollment courses allow a student to earn college credit for some courses taken here at New Bremen High School. Currently, New Bremen has established an agreement with Edison State Community College, and seven of our high school courses are offered as Edison State Community College credit with tuition costs covered by the New Bremen School District. Edison requires the students to have college ready scores on either the ACT or the Accuplacer. The dual enrollment courses offered in 2024-2025 include: English 11 Honors (ENG 121s), English 12 Honors (ENG 122s), Psychology (PSY 121s), Sociology (SOC 121s), Pre-Calculus/Trigonometry (MTH 128s), Physics (PHY 121s), and Government (PLS 121s). These are subject to change each year. Students earn a full high school credit for 3 or more college credit hours of coursework completed per class, and the grade earned is used in both the cumulative college grade point average and the high school grade point average. When a student graduates from high school, not only would he/she need a high school transcript sent to the college of his/her choice, he/she would also need a transcript from Edison State Community College (requested by the student to the school) sent to the college the student plans to attend after high school. Students who plan to participate in the program must notify New Bremen High School in writing of their intention by April 1. "Intent to Participate" forms are available in the high school office or can be submitted as part of the Scheduling Requests process. Also, please be aware that it is the receiving institution that determines transferability.

## Advanced Placement

New Bremen High School offers AP coursework in Calculus AB (grade 12). Students take this class like any regular high school course; however, at the end of the school year, students in this class will take an AP exam (at a cost less than \$100) to test their level of competency in the subject. If a student scores high enough on this exam, they will earn credit for the equivalent college course at nearly any college they choose to attend. A score of a 3 (scale of 1 to 5) most often warrants credit earned, but higher scores are sometimes needed and can possibly allow the student to acquire even more credit. College credit varies from one college to the next and can also vary according to the subject area. Also, because the course load in the classes is steeper than the typical high school course, the grading scale for AP classes taken at New Bremen High School has been adjusted (lowered) by three points.

## **Tri Star Programs**

Written articulation agreements between Tri Star and various colleges permit Tri Star students the potential to earn college credit. A list of colleges that have signed agreements with Tri Star are listed in the Tri Star program catalog booklet, including which programs are articulated and how many potential college credits can be earned for each program.

## **Educational Options**

Students will have access to educational options and credit-flex opportunities. Application forms are available from the Principal or Guidance Office. Current educational options, such as the following, will continue to exist: AP courses, distance learning, vocational programs, opportunity school, and Post-Secondary Enrollment options. Credit flexibility may also provide further opportunities for students to earn credit for pre-approved programs or specific learning activities. More information is available from the guidance counselor or high school principal.

If a course is not offered here at New Bremen High School, it is possible that ACE Academy (through the Auglaize County ESC) would have it available online and could possibly be taken during a student's scheduled study hall. Contact information for ACE and necessary forms are available in the high school office.

## **IMPORTANT ADDITIONAL NOTES:**

- All NBHS students must take a minimum of 6 classes each semester.
- NBHS students may earn high school credit for passing 8<sup>th</sup> grade Algebra 1.
- Students may waive the state requirement for Physical Education by participating in 2 full seasons of high school athletics or marching band.
- Students wanting to take classes through the College Credit Plus program must attend the annual informational meeting in January before first starting to take classes through this program. Both the student and parents need to attend to be informed of the program's advantages/disadvantages, as well as the process for registering into the program, and how scheduling will work. Any students wanting to take College Credit Plus classes must turn in an Intent to Participate form or submit the Intent to Participate form when scheduling requests to the Counseling Office by April 1<sup>st</sup> every year even if they have already been participating in the CCP program during previous school years.

## NEW BREMEN HIGH SCHOOL GRADING SCALE

ALPHA MARK	PERCENTAGE SCALE	POINT VALUE SCALE
A	94-100	4.00
A-	91-93.99...	3.67
B+	88-90.99...	3.33
B	85-87.99...	3.00
B-	82-84.99...	2.67
C+	79-81.99...	2.33
C	76-78.99...	2.00
C-	73-75.99...	1.67
D+	70-72.99...	1.33
D	67-69.99...	1.00
D-	64-66.99...	0.67
F	Below 64	0.00
I	Incomplete	0.00

- Dual Enrollment (CC+) courses taught at New Bremen will follow the grading scale used by the University for the course being taken.
- AP teachers will use an adjusted grade scale for AP courses taught. This scale adjusts the percentage levels down by 3 percentage points on the normal grade scale. See below for the adjusted AP Grade scale:

## AP COURSES GRADING SCALE

ALPHA MARK	PERCENTAGE SCALE	POINT VALUE SCALE
A	91-100	4.00
A-	88-90.99...	3.67
B+	85-87.99...	3.33
B	82-84.99...	3.00
B-	79-81.99...	2.67
C+	76-78.99...	2.33
C	73-75.99...	2.00
C-	70-72.99...	1.67
D+	67-69.99...	1.33
D	64-66.99...	1.00
D-	61-63.99...	0.67
F	Below 61	0.00
I	Incomplete	0.00

## GRADE POINT AVERAGE

The grade point average (GPA) is figured on the 4.0 scale for all courses, except those that are pass/fail, and it is used to determine class rank. A grade point is computed by multiplying the number of grade points earned in each course (A=4, B=3, C=2, D=1, F=0) times the number of credits the course is worth. The total number of points is divided by the number of credits attempted to determine the GPA.

A grade of W/F will have an impact on the student's GPA, as it will be calculated into the cumulative GPA and the class rank so any changing of classes after class change times need to be carefully considered.

When looking at your GPA online, please consider that it may not be accurate depending on the time of year you are looking at your GPA. CCP classes are not counted till final grades are earned, teachers may not have all grades inputted during the quarters, and other slight changes that normally happen throughout the year. Best times to check your GPA are a little after the semester change and at the end of the year. If you have any questions or concerns, please contact Mr. Lauterbach.

## HONOR ROLL

Honor roll will be calculated after every quarter during the school year. Student's GPA will allow them to earn one of the following Honor Roll levels:

HIGH HONOR ROLL	4.0 GPA
HONOR ROLL	3.5 GPA
MERIT HONOR ROLL	3.0 GPA

*\*All courses are included in the calculation of a student's GPA and Honor Roll.*

## ATHLETIC ELIGIBILITY:

Students who participate and represent New Bremen in our school's athletic and extracurricular programs must be in good academic standing to participate.

### GRADES 7-8

- Must have a minimum 1.5 GPA from the previous 9-week grading period.
- Must be passing a minimum 5 courses from the previous 9-week grading period.

### GRADES 9-12

- Must pass a minimum of 5 academic courses in the previous 9-week grading period that count towards graduation.
- Must have a minimum 1.5 GPA and not failing any more than 1 subject at the end of the 9-week grading period.

# NEW BREMEN HIGH SCHOOL GRADUATION REQUIREMENTS

## CREDIT REQUIREMENTS:

New Bremen High School students are required to earn a minimum of 21 credits, and meet all testing and state requirements.

### ENGLISH

#### 4 Credits

English 10 is a tested subject

### MATH

#### 4 Credits

Algebra and Geometry are tested subjects

Algebra 2 is required

### SCIENCE

#### 3 Credits

1 Physical Science

1 Life Science

1 Advanced Science

Biology is a tested subject

### SOCIAL STUDIES

#### 3 Credits

1 World History

1 American History

1 American Government

American History and American Government are tested subjects

### ELECTIVES

#### 6 Credits

Class of 2023 and on, 2 Semesters of Fine Arts needs to be completed (Art, Band, Choir)

### HEALTH

#### 1/2 Credit Required

### PHYSICAL EDUCATION

#### 1/2 Credit Required (2 Semesters)

Students may waive the Physical Education requirement with participation of at least two seasons in athletics, and/or marching band.



# GRADUATION REQUIREMENTS

Starting with the Class of 2023, and continuing in all classes following, the graduation requirements set by the state have been changed. Students must now complete three areas (Course completion, Competency, and Readiness) to be eligible for graduation.

## NEW REQUIREMENTS

- **Complete** all required credits as set by the school district (21 for New Bremen High School)
- Take all 6 End-of-Course Exams
- Earn a “**Competency Score**” on the English 10 and Algebra End-of-Course Exams

Failure to earn these scores will mean that students must satisfy the requirement in one of 3 alternate pathways:

1. College Credit Plus – Earn college credit in a math or English course to demonstrate competency.
2. Career Experience and Technical Skill – Complete two demonstrations to show competency with one being from the foundational category.  
Foundational:
  - a. Earn a proficient or higher on three or more WebExams in a single career pathway.
  - b. Earn an approved industry-recognized credential
  - c. Complete a pre-apprenticeship or show evidence of acceptance into an apprenticeship program after high school.Supporting:
  - a. Complete 250-hours of work-based learning experience
  - b. Earn a workforce readiness score on the WorkKeys assessment
  - c. Earn the Ohio Means Jobs Readiness Seal
3. Military Readiness – Achieved by meeting the requirements to enlist in the military, by obtaining a contract with the military to enlist upon graduation.

- Demonstrate **readiness** for college and careers through obtaining 2 diploma seals from the 12 state-created seals available for students to earn.
  - Ohio Means Jobs Readiness Seal
  - State Seal of Biliteracy
  - Industry-Recognized Credential Seal
  - College-Ready Seal
  - Military Enlistment Seal
  - Citizenship Seal
  - Science Seal
  - Honors Diploma Seal
  - Technology Seal
  - Community Service Seal (locally defined)
  - Fine and Performing Arts Seal (locally defined)
  - Student Engagement Seal (locally defined)

Note: The Ohio Department of Education continues to update and revise graduation requirements in accordance with HB 487.



# OHIO'S HIGH SCHOOL

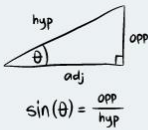
CLASS OF 2023 AND BEYOND

# GRADUATION REQUIREMENTS

## FIRST

### Basics

EARN 21 CREDITS



4 Units  
Mathematics



4 Units  
English Language Arts



3 Units  
Science



3 Unit  
Social Studies



1/2 Unit in  
Health & Physical Education



6 Units  
Electives including  
Fine Art requirement

## SECOND

### Competency

DEMONSTRATE COMPETENCY



Earn a "competency" score on the Algebra I and English II end-of-course test.

OR

College Credit Plus



OR

Industry Credential



OR

Military Enlistment



## THIRD

### Readiness

EARN 2 SEALS



\*Denotes State Seal (Students must have a minimum of one State Seal)

## GRADUATING WITH HONORS DIPLOMA

The State of Ohio has changed the requirements for obtaining an Honors diploma. Students until the class of 2026 will have the option of using either the established requirements or the new requirements for earning an Honors diploma.

### CURRENT ESTABLISHED CRITERIA:

The state of Ohio offers students the opportunity to earn during their high school careers one of 6 different Honors diplomas.

Available Honors Diplomas:

- Academic Honors
- Career Technical Honors
- International Baccalaureate Honors
- STEM Honors
- Arts Honors
- Social Science and Civic Engagement Honors

The Academic Honors diploma is the standard Honors diploma that most New Bremen students pursue. The requirements to obtain this diploma are the following:

- 4 Credits English
- 4 Credits Math
- 4 Credits Science (including 2 advanced sciences)
- 4 Credits of Social Studies
- 3 Credits of Foreign Language (2 must be from the same language)
- 1 Credit Fine Arts
- 6 Credits of Electives
- 27 ACT or 1280 SAT
- 3.5 GPA

\*All requirements must be met but one, unless it is a standard graduation requirement.

For more information on the different Honors diplomas and their requirements and rules please go to:

<http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas>

You must make an appointment with Mr. Lauterbach if you are interested in pursuing an Honors diploma, especially when considering pursuing one of the other options listed other than the Academic Honors Diploma.

SUBJECT/REQUIREMENT	ACADEMIC DIPLOMA WITH HONORS	CAREER TECH HONORS DIPLOMA	INTERNATIONAL BACCALAUREATE HONORS DIPLOMA	STEM HONORS DIPLOMA	ARTS HONORS DIPLOMA	SOCIAL SCIENCE & CIVIC ENGAGEMENT HONORS DIPLOMA
ENGLISH	4 Units	4 Units	4 Units	4 Units	4 Units	4 Units
MATH	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.	5 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and two higher level courses.	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.
SCIENCE	4 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	4 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	4 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	5 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	3 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	3 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.
SOCIAL STUDIES	4 Units	4 Units	4 Units	3 Units	3 Units	5 Units
WORLD LANGUAGE	3 Units of one world language, or no less than two units of one world language if multiple studied.	2 Units of one world language studied.	4 Units with at least 2 units in each language studied	3 Units of one world language, or no less than two units of one world language if multiple studied.	3 Units of one world language, or no less than two units of one world language if multiple studied.	3 Units of one world language, or no less than two units of one world language if multiple studied.
FINE ARTS	1 Unit	N/A	1 Unit	1 Unit	4 Units	1 Unit
ELECTIVES	N/A	4 Units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.	N/A	2 Units with a focus in STEM courses.	2 Units with a focus in fine arts course work.	3 Units with a focus in social science and/or civics.
GPA	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/WORKEYS	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.	27 ACT/1280 SAT/6 on each of the Workkeys tests of Reading for Information, and Applied Math.	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.
FIELD EXPERIENCE	N/A	Complete a field experience (internship or apprenticeship) and document the experience in a portfolio specific to the student's area of focus.	Complete a field experience and document the experience in a portfolio specific to the student's area of focus.	Complete a field experience (internship or apprenticeship) and document the experience in a portfolio specific to the student's area of focus.	Complete a field experience (internship or apprenticeship) and document the experience in a portfolio specific to the student's area of focus.	Complete a field experience (internship or apprenticeship) and document the experience in a portfolio specific to the student's area of focus.
PORTFOLIO	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.
ADDITIONAL ASSESSMENTS	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.	N/A	N/A	N/A	N/A

Honors Diploma requirements pre-suppose completion of all high school diploma requirements.

Please note: a unit refers to one high school credit.

\*Please note: Advanced Science includes: Chemistry, Physics, Anatomy, AP/CCP Science classes, and classes with lab components.

## NEW CRITERIA FOR EARNING AN HONORS DIPLOMA:

Starting with the class of 2026, students will have to use the new criteria as the current established criteria will be retired. Until the Class of 2026, students have the option of using the new or old criteria for Honors diplomas.

### Students must meet all Graduation requirements in addition to the following requirements below:

- 4 credits in Math
- 1 Additional Advanced Science credit for a total of 4 Science credits
- 1 Additional Social Studies credit for a total of 4 Social Studies credits
- 3 sequential credits of one world language or two pairs of sequential credits if two different world languages were taken.
- 3.5 minimum GPA
- ACT composite score of 27 or higher, SAT score of 1280 or higher
- Earn two additional diploma seals, not including the Honors Diploma seal
- Complete a field experience, portfolio, work-based learning, or the Ohio Means Jobs Readiness seal

Students must meet all of the above requirements but one to earn an Honors diploma. Eliminated requirement cannot be a normal requirement for Graduation.

With the new criteria, students may also use the “Student Strength Demonstration Replacement.” Students may use different criteria to satisfy the requirement for ACT/SAT scores, GPA, or World Language credits. Options for substitution are below:

- 12 or more College Credit Plus Credits
- 3 or more Advanced Placement courses with scores of 3 or higher on the associated AP tests
- 12 Credits in CTAG
- Apprenticeship/Pre-Apprenticeship
- Score of 6 or higher on all WorkKeys tests
- Score of 50 or above on the ASVAB
- 250 Hours of work-based learning

SUBJECT/REQUIREMENT	ACADEMIC DIPLOMA WITH HONORS	CAREER TECH HONORS DIPLOMA	INTERNATIONAL BACCALAUREATE HONORS DIPLOMA	STEM HONORS DIPLOMA	ARTS HONORS DIPLOMA	SOCIAL SCIENCE & CIVIC ENGAGEMENT HONORS DIPLOMA
ENGLISH	4 Units	4 Units	4 Units	4 Units	4 Units	4 Units
MATH	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.	5 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and two higher level courses.	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.	4 Units, Algebra 1, Geometry, Algebra 2 (or equivalent), and one higher level course OR 4 course sequence that contains equivalent or higher content.
SCIENCE	4 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	3 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	4 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	4 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	3 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.	3 Units, including two units of advanced science.* Advanced science refers to courses that inquiry-based with laboratory experiences.
SOCIAL STUDIES	4 Units	3 Units	4 Units	3 Units	3 Units	5 Units
WORLD LANGUAGE	3 Sequential Units of one world language, or no less than two units of one world language if multiple studied.	2 Units of one world language studied.	3 Sequential Units of one world language, or no less than two units of one world language if multiple studied.	3 Sequential Units of one world language, or no less than two units of one world language if multiple studied.	3 Sequential Units of one world language, or no less than two units of one world language if multiple studied.	3 Sequential Units of one world language, or no less than two units of one world language if multiple studied.
FINE ARTS	N/A	N/A	N/A	N/A	4 Units	N/A
ELECTIVES	N/A	4 Units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.	N/A	2 Units with a focus in STEM courses.	2 Units with a focus in fine arts course work.	N/A
GPA	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/WORKEYS	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.	27 ACT/1280 SAT/6 on each of the three sections Workkeys assessment.	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.	27 ACT/1280 SAT These scores are based on the 2016 ACT and SAT assessments.
EXPERIENTIAL LEARNING	Field Experience, Ohio Means Jobs Readiness Seal, Portfolio, or Work Based Learning.	Field Experience, Ohio Means Jobs Readiness Seal, Portfolio, or Work Based Learning.	Field Experience, Ohio Means Jobs Readiness Seal, Portfolio, or Work Based Learning.	Field Experience, Ohio Means Jobs Readiness Seal, Portfolio, or Work Based Learning.	Field Experience, Ohio Means Jobs Readiness Seal, Portfolio, or Work Based Learning.	Field Experience, Ohio Means Jobs Readiness Seal, Portfolio, or Work Based Learning.
OTHER REQUIREMENTS	N/A	Students must achieve a cumulative score of proficient or higher on the technical assessments aligned to their program. This can include WebXam tests, Industry recognized credentials, and CCP Career Technical Education course grades.	N/A	N/A	N/A	N/A
OHIO GRADUATION SEALS	Earn 2 additional diploma seals *, not including the Honors Diploma Seal.	Earn the Industry Recognized Credential Seal or the Technology Seal.	Earn the Biliteracy Seal	Earn the Industry Recognized Credential Seal or the Fine Arts Seal**.	Earn the Fine Arts Seal	Earn the Community Service Seal and the Citizenship Seal.

**All requirement but one must be met to earn an Ohio Honors Diploma.**

\*Students can use the Ohio Means Jobs Readiness Seal for the 2 additional seals requirement if it is not already being used for the Experiential Learning requirement.

\*\* The Fine Arts Seal requirement is under review to possibly be switched to the Technology Seal.

# COLLEGE ENTRANCE RECOMMENDATIONS

College entrance requirements vary. The following courses are recommended for a strong college preparatory program:

- English 4 Credits
- Mathematics 4-5 Credits
- Science 4-5 Credits
- Social Studies 4 Credits
- Foreign Language 3 Credits (Same Language)
- Fine Arts 1 Credit

## NCAA ELIGIBILITY

Students who plan on participating in college athletics at an NCAA member school must ensure that courses taken throughout his or her high school career meet the eligibility standards as set by the NCAA Eligibility Center.

For a complete listing of all requirements as well as all approved and denied courses for New Bremen High School, please visit the NCAA Eligibility Center website at: <http://eligibilitycenter.org/>

The following are the course requirements the NCAA looks for:

### DIVISION 1

- 4 Years of English
- 3 Years Math (Algebra 1 or Higher)
- 2 Years Natural/Physical Science
- 1 Year Additional English, Math, or Science
- 2 Years Social Science
- 4 Years Additional Courses (English, Math, Science, Social Science, Foreign Language)
- GPA minimum of 2.3

### DIVISION 2

- 3 Years English
- 2 Years Math (Algebra 1 or Higher)
- 2 Years Natural/Physical Science
- 3 Years Additional English, Math, or Science
- 2 Years Social Science
- 4 Years Additional Courses (English, Math, Science, Social Science, Foreign Language)
- GPA minimum of 2.2

# HIGH SCHOOL PLANNER

NAME: \_\_\_\_\_

Check one box for your intended plans for after High School Graduation:

- College
- Technical School or Training Program
- Employment
- Military
- Undecided

Do you want to attend TriStar Career Compact Junior/Senior Year? \_\_\_\_\_

High School activities, clubs, and sports you are or would like to be involved with:

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What career aspirations do you have for after graduation (List 3):

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New Bremen High School operates on an 8-period day. When filling in the classes on the planner on the next page, please make sure of the following guidelines:

- Do not select classes until you have met the prerequisites for the class whether that be grade, or classes passed in previous years.
- Fill at least seven periods for each year and when entering classes, a yearlong class will fill both semesters for one period, a 1 semester class will only fill one.
- Please make sure you count the credits accurately for each period. A yearlong class will be worth 1 credit, and a 1 semester class will be worth .5 of a credit.



**9<sup>th</sup> GRADE FRESHMAN YEAR**

Period	Semester 1 Course	Semester 2	Credit
1			
2			
3			
4			
5			
6			
7			
8			

**10<sup>th</sup> GRADE SOPHOMORE YEAR**

Period	Semester 1 Course	Semester 2	Credit
1			
2			
3			
4			
5			
6			
7			
8			

**11<sup>th</sup> GRADE JUNIOR YEAR**

Period	Semester 1 Course	Semester 2	Credit
1			
2			
3			
4			
5			
6			
7			
8			

**12<sup>th</sup> GRADE SENIOR YEAR**

Period	Semester 1 Course	Semester 2	Credit
1			
2			
3			
4			
5			
6			
7			
8			

# COURSE DESCRIPTIONS

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# ENGLISH

## English 9

2 Semesters

1 Credit

Students will analyze selected literary texts, poems, non-fiction, drama, independent novels, and visual texts. They will also participate in the whole process of writing: generating ideas, organizing, drafting, revising, re-drafting, proofreading, and sharing the final draft. Through writing with increasing maturity and complexity, students will demonstrate a logical progression and coherence of ideas. Review of grammatical and punctuation usage will reinforce the need for mastering the standard conventions of English. Through whole class and small group discussion, students will also present their own ideas orally in a coherent and persuasive manner.

## English 9 Honors

2 Semesters

1 Credit

*Teacher Recommendation Required, Gifted Services Provided*

This is an accelerated class intended for students who are willing to challenge themselves to a faster pace and more rigorous reading, writing, and vocabulary. Students will read a variety of texts for understanding and significance and complete several independent book projects. Students are expected to write with increasing complexity and maturity. This is not a college level class. Rather, this class will prepare students to take CCP English courses their junior and senior years.

## English 10

2 Semesters

1 Credit

**State End of Course Test “ELA 2” administered**

English 10 is a year-long course which builds on knowledge and skills developed in English 9. We will read fiction and nonfiction text, both traditional and contemporary. Writing will focus on organization, development of ideas, appropriate text support, and correct MLA format. Writing types include argumentative, informative/explanatory, research, and narratives. The goal is to produce various pieces of writing that show progress toward cohesive, well developed essays. All writing should adhere to the expectations of academic writing. Students will have numerous opportunities to engage with classmates to present and/or share their own ideas orally in a coherent and persuasive manner.

## English 10 Honors

2 Semesters

1 Credit

*Teacher Recommendation Required, Gifted Services Provided*

**State End of Course Test “ELA 2” administered**

In this reading and writing-intensive class, students will be expected to read, discuss, and write about an author’s meaning and style in response to short stories, poems, independent novels, and class novels. Students will utilize reviewed grammar concepts, as well as a higher level of vocabulary, in their writing. Critical thinking is developed and enhanced through reading and writing assignments as well as class discussion. This class will be conducted at a faster pace than English 10 CP with little remediation of grammatical terms and will help prepare students for taking Honors/CCP English 11; **if students plan to continue taking CCP courses, they should take this class.**

## English 11

2 Semesters

1 Credit

As the class explores the world of American literature from Puritan era to contemporary times, students will develop an analytical approach to writing reflective compositions, responses to literature, informational and argumentative essays. Analysis and comparison of the short stories of well-known American authors are also incorporated when studying writing styles and time periods. A comprehensive research paper will develop proper paraphrasing, citation, and organizational skills. An introduction to writing essays for college scholarships creates real-world application for their improving writing skills. Using MLA format and scholarly material to support ideas and opinions will be required for many assignments. Improving vocabulary, word choice, and transitions will also be a means of students demonstrating insight and critical thinking.

## English 11 Honors

2 Semesters

1 Credit

*English 10 Honors Passed, or Teacher Recommendation/Approval of Writing Sample), Gifted Services Provided*

**Course is available to be taken as a Dual-Enrollment option for College Credit (ENG-121S Composition 1)**

Students who are consistent with meeting deadlines, are willing to ask for help, and are wanting to make notable improvements in their abilities should take Honors English 11. In this course, students will complete practice ACT tests and analyze test taking strategies to help them with the ACT test offered in the spring. American literature is also read, analyzed, and discussed. To fulfill the college requirements, students write an extensive number of college essays, and they access resources (peer review, collaboration with the teacher, on-line tutorials) for success in college courses. Furthermore, students will research scholarly material to support their claims. Writing assignments will emphasize specific word choice, unity, and voice. Students are expected to have a solid grasp of basic grammar and a willingness to be challenged with rigorous assignments. In addition to the college writing students will read, analyze, and evaluate various American Literature texts. This course is available as part of the Dual Enrollment Options for 3 semester hours of college credit.

## English 12

2 Semesters

1 Credit

English 12 draws on the rich history of British Literature (and by extension Colonial Literature), in order to gain a diverse look at the world around us. We will read fiction and non-fiction, including both traditional and contemporary pieces. Selections will include both print and non-print text. Writing will include a college entrance essay as well as argumentative pieces, informative/explanatory, and research. Students are expected to follow MLA format for all typed work. The goal is to produce various pieces of writing for myriad purposes that are cohesive, well developed, and adhere to the expectations of academic writing. Students are expected to engage with a wide variety of text, including print and non-print pieces.

## English 12 Honors

2 Semesters

1 Credit

*English 11 Honors passed, and a Teacher Recommendation, Gifted Services Provided*

**Course is available to be taken as a Dual-Enrollment option for College Credit (ENG-122S Composition 2)**

Students who successfully completed English 11 Honors should consider taking this course. Assignments help seniors complete their college application essay and scholarship essays. Students also read, analyze, and discuss a variety of British Literature texts. To fulfill the college requirement, students complete a number of extended assignments such as a book review, a proposal, a review of literature, a research paper, and a capstone project. This course is available as part of the Dual Enrollment option to earn 3 college semester hours.



# MATHEMATICS

## Algebra 1

2 Semesters

1 Credit

Grade: 8<sup>th</sup>, 9<sup>th</sup>

*8<sup>th</sup> Grade, Teacher Recommendation, Gifted Services Provided*

**State End of Course Test “Algebra 1” administered**

This course is a study of the structure and properties of the real numbers. It stresses the development of computational problem-solving skills for various types of problems (linear equations). This course is designed to study Algebra, Functions, and Number Quantity Common Core Standards in depth including but not limited to working with and reasoning with expressions, polynomials, creating and solving equations and inequalities, building and interpreting functions, linear, quadratic, and exponential models. A graphing calculator is required.

## Geometry

2 semesters

1 Credit

*Pre-Req: Algebra 1, Gifted Services Provided*

**State End of Course Test “Geometry” administered**

Geometry is a study of all of the rules that apply to points, lines, planes, solids, triangles, quadrilaterals and circles. It is also an example of how a mathematical system is built from some basic definitions to an enormous amount of information. Topics include proofs, reasoning, transformations, finding angle measures, congruence, similarity, trigonometry in triangles, surface area, volume, and probability of multiple events. This course will incorporate the use of the **(TI 84, TI 84 Plus, TI 84 Plus CE will be best choices)** provided by the student.

## Algebra 2

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Algebra 1, Gifted Services Provided*

**State Requirement for Graduation**

*Geometry may be taken prior to or at the same time as Algebra II (Recommendations – “B” or higher in Algebra I if planning to take two math classes the same year)*

The beginning of Algebra II is a review and extension of Algebra I, including simplifying expressions and solving equations. The remainder of the year will concentrate on higher-level algebra concepts. These concepts include functions, equations, polynomials, rational exponents, sequences, series, identities, transformations, probability and statistics. This class will incorporate the use of a **(TI-84 Plus graphing calculator) (provided by the student)**.

## Pre-Calculus/Trigonometry

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Geometry and Algebra 2, recommended c+ Average in both classes, Gifted Services Provided*

**Course is available as part of the Dual Enrollment Options for college credit (MTH-128S Precalculus)**

This is a two-semester course with approximately one semester of pre-calculus and one semester of trigonometry. Pre-Calculus includes a review and extension of Algebra II with introduction to more advanced topics that are suitable for a college-bound student planning to take calculus. Analytical geometry will be emphasized more strongly than calculus.

Trigonometry is a thorough study of triangles and all of the rules that apply to them. It is also an example of how rules of algebra can be applied to another system. Both semesters will incorporate the use of a TI-84 Plus graphing calculator (provided by the student).

## Foundations of College Mathematics

2 Semesters

1 Credit

Grade: 12<sup>th</sup>

*Pre-Req: Algebra 2*

The curriculum will focus on the core concepts needed to avoid math remediation at the college level and incorporate skills needed in the workplace as identified by ACT's Work Keys and other resources. Topics from algebra, geometry, trigonometry, and statistics will be integrated throughout the course. Focus will be on applied mathematics and will involve the students in many real-life situations requiring mathematics in problem solving. Critical thinking skills, mathematical reasoning, and communication will be emphasized beyond "skill and drill". Students will participate in collaborative learning activities, inquiry instruction, and extensive use of technology including a TI-84Plus calculator (provided by the student).

## Introduction to Statistics

1 Semester

½ Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Algebra 2*

This is an introductory course in statistics designed to prepare college-bound students for college statistics courses. The course teaches descriptive and inferential statistics to help students gather, display, and analyze data. Topics covered include displaying data, descriptive measures, regression, probability theory, confidence intervals, and hypothesis testing.

## Business Math

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

Business Math is the study of personal and business finance principles and how they are applied to real world situations. Content includes wages and salaries, banking activities, credit card costs, consumer loans, costs involved in owning a home and car, insurance and investments, budgets, business sales and costs, labor costs, inventory valuation, and calculating business profit and loss.

## Advanced Placement Calculus

2 Semesters

1 Credit

Grade: 12<sup>th</sup>

*Pre-Req: Pre-Calculus/Trigonometry, B or higher average, teacher recommendation, Gifted Services Provided*

**AP Test for college credit will be given at the end of the year**

This course will provide students with a learning experience equivalent to that of a college course in single variable calculus. Students will develop their understanding of the concepts of calculus and gain experience with its methods and applications. Students may earn high school credit as well as college credit for the course based on their performance on the AP exam (score of 3, 4, or 5) given in early May. Students will be charged for the cost of the exam. This course will incorporate the use of a TI-84 Plus graphing calculator (provided by the student).



# SCIENCE

- Students on a non-college prep pathway can take Animal and Plant Science for fulfillment of the third-year advanced science requirement. The Animal and Plant Science course description can be found in the Agriculture Education section.

## Physical Science

2 Semesters

1 Credit

Grade: 9<sup>th</sup>

In this introductory science course, students will learn about and investigate the physical world as it relates to chemistry, physics, and space science. Students will engage in investigations to understand motion, Newton's Laws, energy, matter, chemical bonds, chemical reactions, and space. The use of a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications will be performed throughout the year.

## Biology

2 Semesters

1 Credit

Grade: 10<sup>th</sup>

**State End of Course Test "Biology" administered**

Biology involves a study of all life, what makes up life, and how living things interact / work. This course will investigate the composition, diversity, complexity, and interconnectedness of life on Earth. Through inquiry-based instruction, students will explore the fundamental concepts of ecology, cells and cell cycles, genetics and heredity, natural selection, evolution, taxonomy, and the different phyla of living organisms. Laboratory work, including observations of living organisms and dissections will supplement the normal class work. This course is rigorous in that it is a college prep class. Students who intend to go to college should take this biology class.

## Chemistry

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Minimum C average in Biology & Sophomore math. Algebra 2 must be taken prior or concurrently*

Chemistry deals with matter and the changes that it undergoes during a chemical reaction. This course deals with the main concepts of chemistry including scientific measurement, significant figures, matter and change, electron configurations, atomic theory, atomic structure, the periodic table, the mole and mole calculations, chemical bonding, molecular geometry, chemical reactions, naming chemical compounds, stoichiometry, gases, solutions, and acids and bases. Chemistry is a lab course, and students are required to perform and write up laboratory experiments and reports. This course is rigorous in that it is a college prep class.

## Anatomy & Physiology 1

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

**Course is available as part of the Dual Enrollment Options for college credit (BIO-125S Anatomy & Physiology 1)**

Physiology introduces students to the structure and functions of the human body. Students planning careers in the medical field should plan on taking this course and Physiology 2. It explores the inner workings of the body through the use of models and dissections including a chicken wing, cow's eye, and fetal pig. Students engage in investigations to understand the body and how it works in a variety of inquiry scenarios. Topics covered include: Human Cell Biology, Histology, Integumentary System, Skeletal System, Muscular System, and Nervous System.

## Anatomy & Physiology 2

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

**Course is available as part of the Dual Enrollment Options for college credit (BIO-126S Anatomy & Physiology 2)**

Physiology 2 continues to introduce students to the structure and functions of the human body. Students planning careers in the medical field should plan on taking this course. It explores the inner workings of the body through the use of models and dissections including a sheep heart, kidney, and cat. Students engage in investigations to understand the body and how it works in a variety of inquiry scenarios. Topics covered include: Endocrine System, Cardiovascular System, Respiratory System, Digestive and Urinary Systems, Immune/Lymphatic System and Reproductive systems.

## Physics

2 Semesters

1 Credit

Grade: 12<sup>th</sup>

*Pre-Req: Minimum C+ in Chemistry and most recent Math course taken. Pre-Calc/Trig is highly recommended. (If taking for CC+ Credit, Pre-Calc/Trig CC+ is required), Gifted Services Provided if taken for CCP Credit*

**Course is available as part of the Dual Enrollment Options for college credit (PHY-121S College Physics 1)**

Physics is a course that introduces students to key concepts and theories that provide a foundation for further studies in science and engineering. Physics is a study of the nature and energy of matter. It addresses motion, forces, energy, momentum, waves, electricity and magnetism. Students will engage in design engineering scenarios quarterly, as well as scientific investigations during each unit. These investigations help to explain the behavior of nature in a variety of inquiry ways. **This course is math intensive.**

# Advanced Biology

2 Semesters

1 Credit

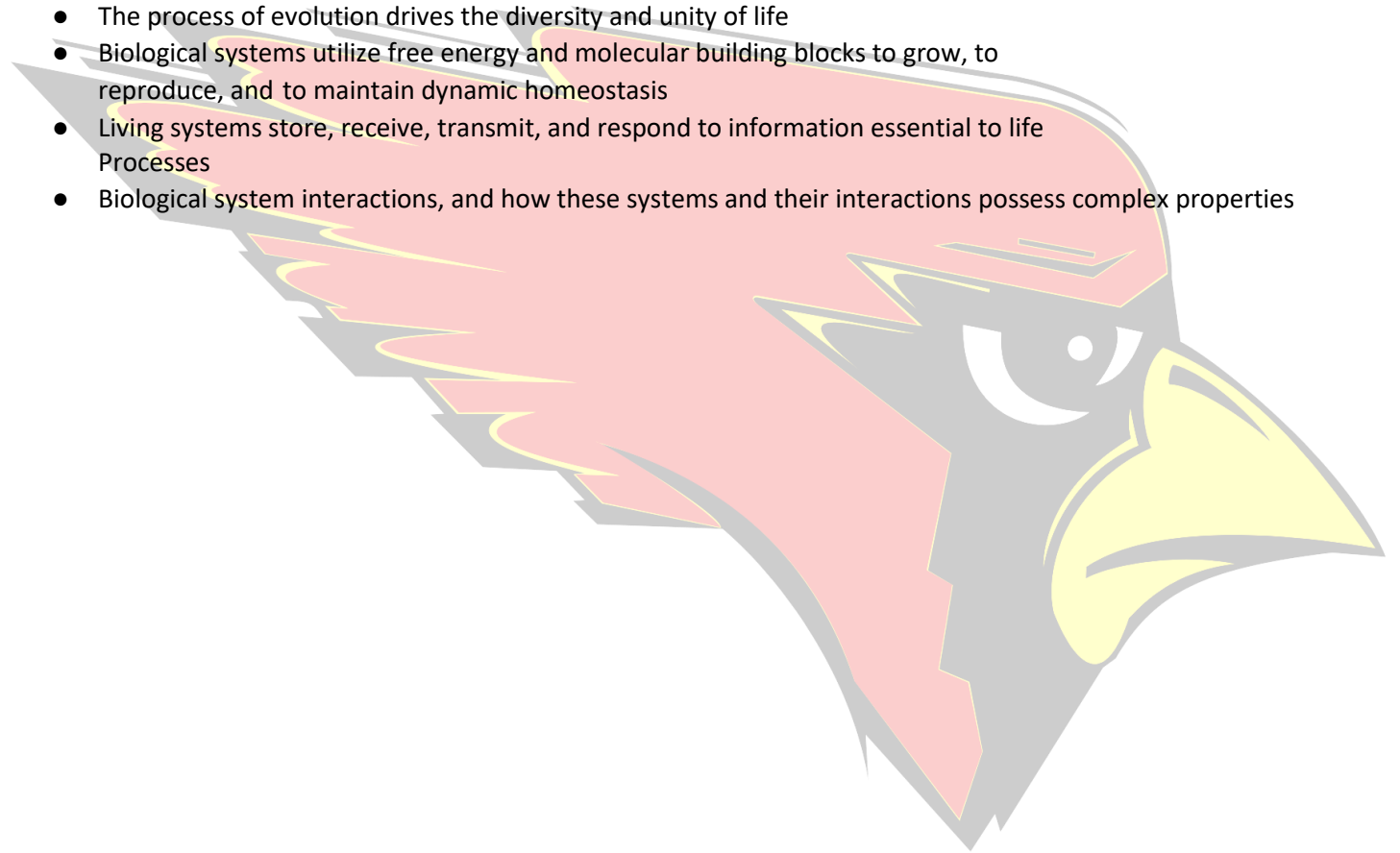
Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Biology, and one upper level science course which can be taken concurrently, teacher recommendation, Gifted Services Provided*

**Course is available as part of the Dual Enrollment Options for college credit (BIO-121S Cells/Genetics/Evolution)**

This course will provide students with a learning experience equivalent to that of a college course in introductory Biology. Students will focus on the conceptual understanding of different topics in Biology and the content that supports these concepts. Students will spend less time with factual recall and more time on inquiry-based learning. The course is centered around four “Big Ideas”:

- The process of evolution drives the diversity and unity of life
- Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis
- Living systems store, receive, transmit, and respond to information essential to life Processes
- Biological system interactions, and how these systems and their interactions possess complex properties



# SOCIAL STUDIES

## American History

2 Semesters

1 Credit

Grade: 9<sup>th</sup>

This course is a survey of American History from the post-Civil War era to the present. The first semester includes a review of America's founding documents, industrialization and urbanization. The second semester includes the rise of the U.S. as a world power during the 20<sup>th</sup> century.

## World History

2 Semesters

1 Credit

Grade: 10<sup>th</sup>

World History is designed to give students an overall view of world events from the 1500's to the present. First semester work includes units on the Enlightenment, the Industrial Revolution, Imperialism, and WWI. Second semester work includes units on WWII, the Cold War, The Middle East, Latin America, Vietnam, Africa and the world today.

## American Government

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

**Course is available as part of the Dual-Enrollment Option for College Credit (PLS-121S American National Government)**

First semester topics of study include: (1) the foundation of the American government system; (2) the Constitution and unalienable rights; (3) the Presidency; (4) Congress and the lawmaking process. Second semester topics include: (1) the American political system; (2) the federal court system; (3) taxation; (4) state and local government. Throughout the year, the class will feature special topics about skills needed after graduation.

## Sociology

1 Semester

½ Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Gifted Services if taken for CCP Credit*

**Course is available as part of the Dual Enrollment Options for college credit (SOC-121S Intro to Sociology)**

Sociology is the study of humanity and the problems we encounter in our daily lives. Its subject matter contains a wide variety of topics ranging from marriage to crime and punishment.

## Psychology

1 Semester

½ Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Gifted Services if taken for CCP Credit*

**Course is available as part of the Dual Enrollment Options for college credit (PSY-121S Intro to Psychology)**

Psychology is the study of individual behavior in an attempt to determine cause for this behavior. The objective of this course is to expose the student to the many different facets of psychology and to acquaint the student to possible causes of certain types of behavior. The course includes many definitions of terms, experiments and thorough explanation of related material.

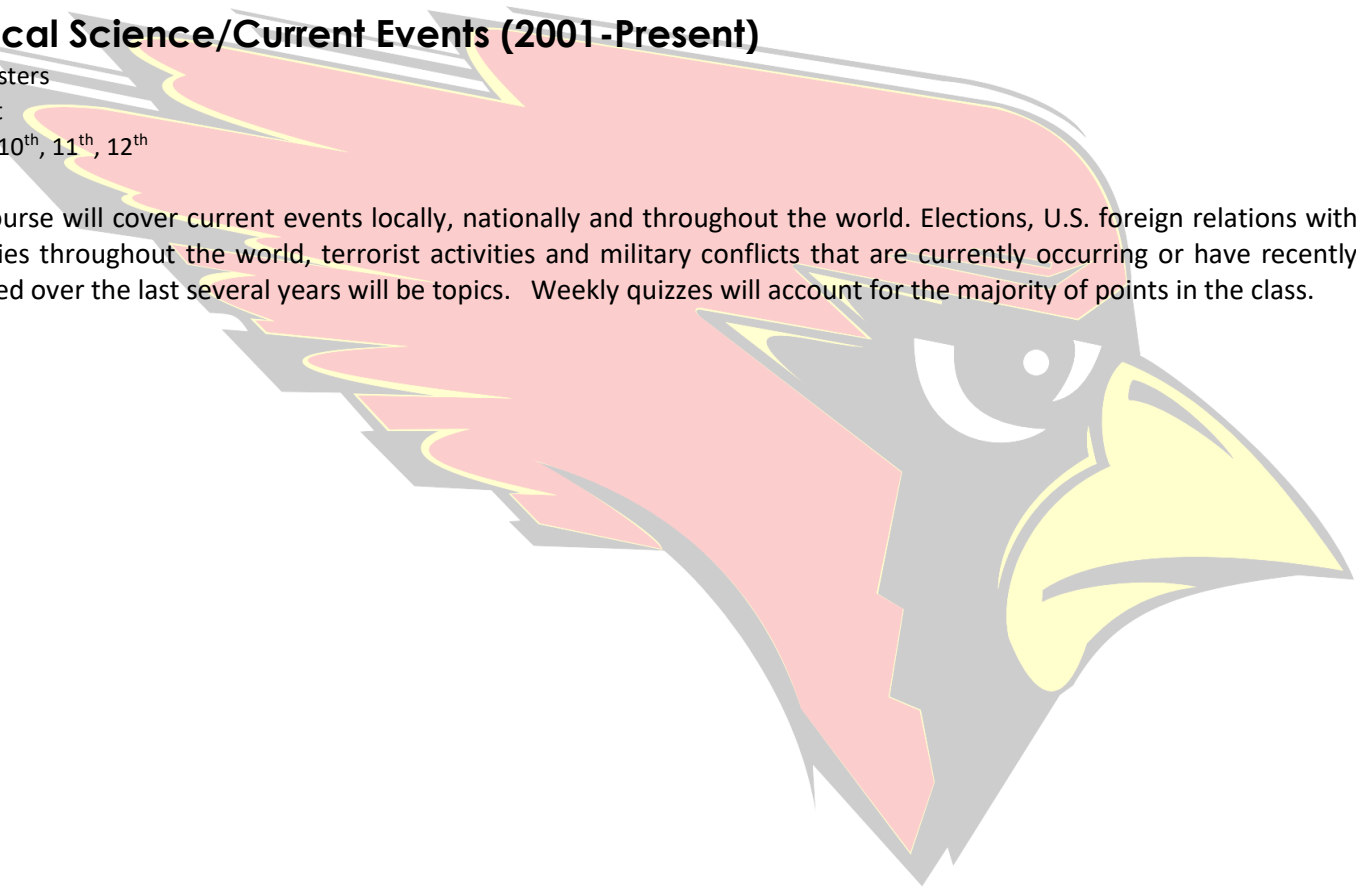
## Political Science/Current Events (2001-Present)

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

This course will cover current events locally, nationally and throughout the world. Elections, U.S. foreign relations with countries throughout the world, terrorist activities and military conflicts that are currently occurring or have recently occurred over the last several years will be topics. Weekly quizzes will account for the majority of points in the class.



# WORLD LANGUAGE

## Spanish I

2 Semesters

1 Credit

*Pre-Req: Recommended having a minimum B average in last English class*

Vocabulary, present tense verb usage, and basic grammar structures are the main focus in Spanish I. Students are expected to acquire vocabulary words through listening, reading, writing, and speaking activities. Culture will also be studied throughout the year. Students will read two beginner novels in Spanish.

## Spanish II

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Minimum C average in Spanish I or Teacher Permission*

The purpose of Spanish II is to build on the vocabulary, present tense verb skills, and basic grammar structures acquired in Spanish I with a greater emphasis on complex grammar. Students will be introduced to past tense verb usage in the second semester. Students will read three novels in Spanish.

## Spanish III

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Minimum C average in Spanish II or Teacher Permission*

In addition to reviewing grammar skills and vocabulary from Spanish I & II, Spanish III will include an in-depth study of past tense verbs through reading and writing activities. Students will focus on art, geography, and culture. Students will read three novels in Spanish.

## Spanish IV

2 Semesters

1 Credit

*Pre-Req: Minimum C average in Spanish III or Teacher Permission*

Spanish IV is designed to assist students in mastering communication skills, often found on Spanish college entrance exams. Students will be expected to polish grammar, verb, and vocabulary skills acquired in previous courses. Students are expected to become more proficient in the language. A strong emphasis will be placed on biographies, history, and current events in the Spanish speaking world. Students will read four novels.

# BUSINESS/ MEDIA

## Foundations of Business

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

A great introductory course for any students interested in business. This course explores different areas of business, including Accounting, Marketing, Branding, Product Development, and Data Analytics. Students start by learning the basic principles of accounting: debit and credit, account balances, equality of debits and credits, journalizing, posting, and completing end-of-fiscal period accounting tasks. Students will learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. Students will explore the foundations of business, along with a more in-depth look at promotional concepts and strategies, product development, branding, and packaging. Various projects will be completed throughout this course, as well as discussion of various types of business strategies of real-world companies. If you have an interest in learning about careers within the business world, this is the class for you!

## Marketing & Branding

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Foundations of Business*

In the Marketing and Branding course students will embark on an exciting journey to apply marketing principles and branding strategies to promote New Bremen Schools and related activities. In this course, students will immerse themselves in the dynamic world of marketing, honing their skills in creating impactful campaigns and establishing compelling brands.

### Course Objectives:

1. **Understanding Marketing Fundamentals:** Explore the fundamental concepts of marketing and how it can apply to our Cardinal Store Business.
2. **Brand Development:** Delve into the art and science of brand creation. Learn how to define and communicate the unique identity of New Bremen Schools, fostering a sense of pride and loyalty.
3. **Strategic Planning:** Develop strategic marketing plans for school events, activities, and the New Bremen Cardinal Store. Apply critical thinking and problem-solving skills to address real-world marketing challenges.
4. **Digital Marketing:** Explore the power of online platforms and social media in modern marketing. Develop skills in creating engaging content, managing social media accounts, and utilizing digital tools for promotion.
5. **Event Promotion:** Learn the ins and outs of promoting school events. Develop strategies to increase attendance and engagement through effective communication and promotional activities.
6. **Community Engagement:** Understand the importance of community involvement in marketing. Collaborate with local businesses, community organizations, and residents to strengthen the school's ties with the community.
7. **Hands-On Experience:** Apply learned concepts by working on real-world projects, with a special focus on marketing and branding the New Bremen Cardinal Store. Students will have the opportunity to contribute to the development and promotion of merchandise.
8. **Presentation Skills:** Hone your communication and presentation skills by pitching marketing ideas and strategies. Develop the ability to articulate and justify marketing decisions in a professional manner.

By the end of this course, students will not only possess a comprehensive understanding of marketing and branding principles but will also have practical experience in promoting New Bremen Schools and contributing to the success of the Cardinal Store. Join us in Marketing and Branding to become a strategic and creative marketer, making a lasting impact on the promotion of our school community!

## Professional Communications & Careers

1 Semester

½ Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

The goal of this course is to provide students with an understanding of professional communication skills, current and upcoming technology, and the impact this can have both personally and professionally. This course will focus on developing verbal and written communication skills, interpersonal skills, self-image, networking, professional etiquette, and the art of interviewing. Rapidly expanding technology and a competitive marketplace demand strong choices in verbal and nonverbal messages, listening skills and critical thinking. Students enrolled in Professional Communications and your career will be expected to identify, analyze, develop and evaluate communication skills needed for professional and social success in interpersonal situations, interviews, group interactions, and professional or personal presentations. In addition to building communications skills, this course assists students in outlining their interests, aspirations, strengths, and abilities as they explore various career paths and post-secondary options. Students will learn how their talents and interests match potential career choices as they prepare for their future. As students discover their various career interests, they will research colleges and/or other post-secondary options which offer the programs of study needed to achieve their career goals. In addition, students will research college and program entrance requirements, college costs, scholarships available to them, as well as learn about the student loan process.

## Personal Finance

1 Semester

½ Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

This course will provide a foundational understanding for making informed personal financial decisions. Students will learn how to navigate the financial decisions they must face and make informed decisions relating to saving, budgeting, credit and debt, banking, spending, insurance, taxes, buying or leasing a vehicle, investing and retirement, as well as financing postsecondary education. Students will experience real-world scenarios through the use of simulations that cover managing checking accounts, preparing budgets, paying bills, as well as making financial decisions for beginning life on their own. Successful completion of this course fulfills the graduation requirement for financial literacy and economic instruction. It is a required course.

## Green Belt – Lean Six Sigma – Problem Solving for Team Leaders

2 Semesters

1 Credit

Grade: 12<sup>th</sup>

*Pre-Req: Yellow Belt Certification (Completed during Junior Year as a graduating class)*

A Certified Lean Six Sigma Green Belt is a professional man or woman who is well versed in the core elements of Lean Six Sigma methodology. A Green Belt leads improvement projects and/or serves as a team member as part of more complex improvement projects. A Lean Six Sigma Green Belt possesses a thorough understanding of all aspects of the Lean Six Sigma Method including competence in subject matters contained within the phases of Define, Measure, Analyze, Improve and Control (DMAIC). A Lean Six Sigma Green Belt understands how to implement, perform, interpret and apply Lean Six Sigma at a high level of proficiency.

Students in this course will work with a group to complete a project. This course will provide students with Green Belt Certification and opportunities to hear leading professionals speak from various industries.



## Interactive Media I

2 Semesters

1 Credit

Grades 9, 10, 11, 12

This course is intended to engage student learning in the field of Digital Media with hands-on projects and “real-world” activities. Students will be instructed on graphic design applications. The various software programs students will be exposed to in the classroom include Adobe Photoshop, Illustrator, Creative Cloud express and Premiere Pro. Students will take their classroom designs to the Dianne Komminsk Center for Innovative Thinking lab to utilize the technologies available. This includes software that will allow students to learn the vinyl printing process, sublimation, etching and the various capabilities that are supported by these technologies. Students will learn to design original projects such as posters, mugs, t-shirts, and more. These 21st century skills can be utilized for personal use and in business, allowing the students to keep up with the lightning-pace of today’s modern markets.

## Interactive Media II

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Interactive Media I*

The Interactive Media II course expands on the skills learned in the Interactive Media I course. Students in this class will broaden their graphic design, video, and print skill set. Students will continue to work on projects that utilize the technologies available at NBHS. This course will help further develop a student’s ability see an idea come to life. Students will generate an idea, develop a plan, create a tangible product, receive feedback, and perfect the final product. These real-world skills will transfer into personal and professional life seamlessly.

## Interactive Media III

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Interactive Media 1 & 2*

This course builds upon the foundational skills acquired in Media I and II, offering students an immersive experience in advanced Adobe design programs and lab equipment. Prerequisites for enrollment include successful completion of Media I and II, ensuring that students enter the course with a solid understanding of fundamental multimedia concepts.

In Media III, students will elevate their creativity and technical proficiency by delving deeper into Adobe Creative Cloud applications such as Photoshop, Illustrator. Through hands-on projects and collaborative exercises, students will master advanced design techniques, exploring the nuanced aspects of graphic design and print media.

A unique aspect of this course is its real-world application: students will have the opportunity to design and create items that will be featured and sold in a New Bremen-themed store. This practical experience allows students to apply their skills in a business context, honing their ability to create marketable and visually stunning products.

### Key Course Highlights:

1. **Advanced Adobe Creative Cloud Skills:** Expand your proficiency in industry-standard design software, including Photoshop, Illustrator, and InDesign.
2. **Lab Equipment Mastery:** Utilize state-of-the-art lab equipment to enhance your multimedia production capabilities.
3. **Real-world Application:** Design and create merchandise for a New Bremen-themed store, gaining practical experience in product development and marketing.
4. **Collaborative Projects:** Work on team-based projects that simulate real-world design challenges, fostering teamwork and communication skills.

5. **Portfolio Development:** Build a comprehensive portfolio showcasing your best work, a valuable asset for future academic and professional opportunities.
6. **Entrepreneurial Mindset:** Develop an understanding of the intersection between multimedia design and entrepreneurship through the creation and sale of New Bremen-themed merchandise.

This course is designed for students with a passion for multimedia design and a desire to take their skills to the next level. By the end of Media III, students will not only be proficient in advanced design techniques but will also have a portfolio of work and hands-on experience that sets them apart in the competitive world of multimedia and design.

## Video Production

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

Video Production is a course for students who enjoy film, television, and internet videos and want to learn how to create their own video projects. This course is designed to introduce students to the artistic and technical terms, techniques, and skills utilized in the visual medium of film. This class focuses on student-centered projects. Active participation is vital to the successful completion of this course. Students will be expected to engage in the production process to write, plan, film, and edit short film projects so as to apply what they have learned.

## Yearbook

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

### Application Required

Students will participate in producing the K-12 School Mirage. This class allows students to have the opportunity to participate in running a business. Due to the nature of the class, interested students will have to fill out an application indicating the position they are interested in. However, all positions will work together to ensure the success of the team. All staff members will receive a grade for the class.

**Business Managers** - The mirage business managers will manage the advertising and book sales, organize the marketing efforts, as well as assist in the recording of sales and deposits. Students will learn strategies of planning, marketing (ad sales) and distribution of the yearbook. This position gives students exposure to a marketing course, a publishing course and a business /finance course. The end result is tangible. This position is not a design position; it is great for anyone interested in pursuing a business degree.

**Photography Managers** - This position requires extreme organization. The picture managers will manage all photography for the yearbook, as well as ensure that all events have proper photography coverage. Students will utilize programs to enhance photos, learn proofing strategies and work independently with photographers. Photography Manager is not a design position; however, you will work very closely with the design team.

**Design Team** - This course is designed to teach the skills necessary to produce the school yearbook. Designers will be planning the coverage for the school year and designing a unifying theme for the book. Designers will expand their creativity by working with layout and design techniques, writing and editing copy, headlines and picture captions. This course provides the study of and practice in gathering and analyzing information, interviewing, and photography. Students will learn proofing strategies and work independently to design pages. At times, deadlines require that staff members work after school and weekends. Students will learn good work habits and are responsible for all phases of yearbook publication.

# COMPUTER SCIENCE

## Computer Science 1

2 Semesters

1 Credit

Grade: 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

This high school-level Computer Science 1 course is designed to introduce students to the fundamental concepts of computer science. Over the duration of the course, students will develop problem-solving skills while exploring diverse aspects of the field. The curriculum encompasses web development, interactive games, app creation, and an introduction to Artificial Intelligence (AI). Through hands-on projects, students will gain a foundational understanding of computer science principles and the creative potential of technology.

## Computer Science 2

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Computer Science 1*

Building on the foundational knowledge gained in Computer Science 1, this high school-level Computer Science 2 course expands students' understanding of advanced computer science concepts. The curriculum dives deeper into digital information, app design principles, advanced programming, and cybersecurity. Through a combination of theoretical learning and practical application, students will enhance their skills and explore the intricacies of contemporary computer science.

## Technology Capstone

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Computer Science 1 & 2, Interactive Media 1 must be completed before*

This class is for students who have taken both an Introductory Coding course and the Media 1 courses offered at New Bremen. In this class student will have the opportunity to explore their passions. The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in previous courses in an authentic way by utilizing their own ideas to create products from various forms of technology. Capstones often include project/problem-based learning opportunities that occur both in and away from school. This course will help students find and create technology-driven products to solve those problems.

## Diane Komminsk Center Lab Assistant

1-2 Semesters

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Interactive Media 1 with a grade of "B" or higher*

Students in this course will assist Mrs. Heckman and Mrs. Clinehens in the DKC with projects for classes, the community, and various assignments as needed. Students will assist in the daily activities in the lab or the classroom. Candidates will interview to discuss their knowledge of the graphic design programs and the tools utilized in the DKC. Interested candidates are encouraged to chat with Mrs. Heckman or Mrs. Clinehens.

# INDUSTRIAL TECHNOLOGIES

The purpose of the Industrial Technology Program is to acquaint the student with the manufacturing processes of Industry, beginning with the raw materials and ending with the finished product. By using this approach, the student will become familiar with raw materials, machines, tools, products and business management. Through the use of the computer, the students will get “hands-on” training on the various ways the computer can aid them with their projects.

The Industrial Technology Program is formulated so the students can study the very basic areas and then proceed to the more advanced areas of manufacturing. In each area to be studied, students will construct projects that will require problem-solving in planning, designing, construction and development.

The courses are designed to benefit the student who will be entering the workforce upon graduation from high school, as well as those students who will be continuing their education in a two-year or four-year college program.

## Woods I

1 Semester  
½ Credit

The student is introduced to all the basic woodworking hand tools, wood tool maintenance, tool safety and proper use. There will also be emphasis on wood turning, application of wood finishes, and various types of wood and their characteristics.

## Woods II

1 Semester  
½ Credit  
*Pre-Req: Woods I*

This course will be an in-depth study of the various types of woodworking power tools, such as a table saw, radial arm saw, and jointer. The students will learn the operations of these tools while making projects of their choice. Students will also learn to identify different types of furniture in relation to the era in which they were developed. They will also be studying an area of house construction.

## Metals I

1 Semester  
½ Credit

The student will be working with wrought metals, heat treating, sheet metal construction, soldering, arc welding, mig welding, gas welding, tool maintenance, and blueprint reading.

## Metals II

1 Semester  
½ Credit  
*Pre-Req: Metals 1*

The student will study and learn the use and care of precision tools such as micrometers, dial calipers, and dial indicators. They will also learn to use the metal lathes, surface grinders and vertical mill. The projects they will make will require that they use all of these tools as well as read blueprints, do machine set-ups, and perform heat treating of metals.

## Industrial Technology I

1 Semester

½ Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: 2 years of Engineering, Metals 2, or Woods 2*

### Independent Study

In Industrial Technology, students will have the opportunity to further their personal projects of interest in the Industrial Technology program. Projects may include CNC machining, wood-working, welding, engineering, or a combination of these. This course is only open to students that have taken 2 years of Engineering and/or completed Woods II or Metals II coursework and are looking for additional opportunity beyond the existing curriculum.

## Industrial Technology II

1 Semester

½ Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Industrial Technology I*

### Independent Study

In Industrial Technology, students will have the opportunity to further their personal projects of interest in the Industrial Technology program. Projects may include CNC machining, wood-working, welding, engineering, or a combination of these. This course is only open to students that have taken Industrial Technology Ind. Study I coursework and are looking for additional opportunity beyond the existing curriculum.

## PROJECT LEAD THE WAY (PLTW)

## Introduction to Engineering

2 Semesters

1 Credit

### PLTW Class

This Course emphasizes the development of a design. Students use computer software to produce, analyze, and evaluate models of project solutions. They study and design concepts of form and function, then use state-of-the-art technology to translate conceptual design into reproduction of products. This course teaches students to:

- Understand and apply the design process to solve various problems in a team setting;
- Apply adaptive design concepts in developing sketches, features, parts, and assemblies;
- Interpret their own sketches in using computer software to design models;
- Understand mass property calculations – such as volume, density, mass, surface area, moment of inertia, product of inertia, radii of gyration, principal axes, and principal moments - and how they are used to evaluate parametric models;
- Understand cost analysis, quality control, staffing needs, packing and product marketing;
- Explore career opportunities and design engineering and understand what skills and education these jobs require; and
- Develop portfolios to display their design and present them properly to peers, instructors and professionals.

## Principles of Engineering

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Introduction to Engineering*

**PLTW Class**

Students will explore technology systems and manufacturing and engineering processes to find out how math, science, and technology help people. Class work is hands-on and students often work in pairs and teams to solve problems. The course includes concerns about social and political consequences of technological change.

## Digital Electronics

2 Semesters

1 Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Principles of Engineering*

**PLTW Class**

This is a course of study in applied digital logic. It is patterned after the first semester course in Digital Electronics taught in two and four-year colleges. Students will study the applications of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Such circuits are found in watches, calculators, video games, computers, and thousands of other devices. The use of smart circuits is present in virtually all aspects of our lives and its use is increasing rapidly, making digital electronics an important course of study for a student exploring a career in engineering/engineering technology. Using Circuit Maker, the industry standard, students will test and analyze simple and complex digital circuitry. Students will design circuits using Circuit Maker, export their designs to a printed circuit auto routing program that generates printed circuit boards, and construct the design using chips and other components.

## Engineering Development & Design

2 Semesters

1 Credit

Grade: 12<sup>th</sup>

*Pre-Req: Digital Electronics*

**PLTW Class**

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

# AGRICULTURAL EDUCATION

Agriculture Science is the study of agriculture and related agricultural fields. In Agriculture Science, we develop those abilities, skills, attitudes, and ideals which the student should possess for a successful life after high school. The class is designed to be a hands-on class where students are taught the ability to solve problems and develop critical thinking skills. Agriculture Education is a STEM class, including lessons in Science, Technology, Engineering and Mathematics.

While enrolled in Agriculture Education students will be provided enough exploratory experiences to help them determine their interest areas and capabilities.

The FFA is a required part of the curriculum and comprises 1/5 of the student's overall grade. Students will learn leadership skills and cooperation and have a chance to meet FFA members from across the state. Activities include judging contests, public speaking, parliamentary procedure, and field trips. Field trips include Washington D.C. Leadership Conference, Colt Conference National FFA Convention to Indianapolis, Indiana, the State FFA Convention in Columbus, Ohio, FFA camp, Made for Excellence Conference, plus many more. FFA members are required to participate in FFA Meetings, the Hog Roast and the FFA Banquet.

FFA students are required to have an SAE (Supervised Agricultural Experience). To complete this requirement a student must keep one of the following: an animal enterprise book, a plant enterprise book or job/volunteer placement. Also required will be a home improvement project each year with a minimum of 10 hours. The purpose of these projects is to help students understand basic time management, responsibility, budgeting, cash flow and the importance of record keeping.

## ARTICULATION CREDIT

Articulation credit is also available through the agriculture program here at the high school with both University of Northwestern Ohio and Wright State University. If a student earns a 70% or better on the WebXam in Business Management for Ag or Ag Business, he/she can earn articulated credit for AG 106 - Agribusiness Fundamentals for 3 credits if they enroll at The University of Northwestern Ohio and take continued coursework at UNOH. Wright State can offer credit for Crop Production, Soil Fertility and Fertilizers, and Agribusiness Management if appropriate requirements are met.

## Agriculture, Food & Natural Resources (AFNR)

2 Semesters

1 ¼ Credit

This course will teach students how to work in groups and develop their leadership abilities through hands on activities and educational field trips. Students will use the opportunities the FFA provide for growth and build upon their interpersonal skills and have the opportunity to participate in contests. Students will use the animal science unit to promote proper animal husbandry and production to make sound decisions as a producer and consumer. Students will explain and demonstrate the basics in plant production and harvesting in helping make sound decisions as a consumer and producer. Furthermore, the student will be given the opportunity to complete a small woodworking project that can be exhibited at the fair if they choose to.

## **Animal & Plant Science**

2 Semesters

1 ¼ Credit

*Pre-Req: Agriculture, Food & Natural Resources*

**Can Satisfy 1 Science Credit Requirement for Graduation**

This course is designed typically for second year ag students, though students of any grade level can enroll with instructor permission. Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined and applied during course projects. Students have the opportunity to build a small shop project that can be exhibited at the fair if they choose to.

## **Livestock Selection, Nutrition and Management**

2 semesters

1 ¼ Credit

Grade: 11th or 12th (offered alternating years with Business Management for Agriculture)(2024-2025)

*Pre-Req: Agriculture, Food & Natural Resources*

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

## **Business Management for Agricultural & Environmental Systems**

2 Semesters

1 ¼ Credit

Grade: 11<sup>th</sup>, 12<sup>th</sup> (offered alternating years with Livestock Selection, Nutrition and Management)(2023-2024)

*Pre-Req: Agriculture, Food & Natural Resources*

Learners will examine elements of business, identify organizational structures and identify and apply management skills. Learners will develop business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Learners will practice customer sales techniques and apply concepts of ethics and professionalism while understanding related business regulations. Specific units to be taught include: Structuring business, developing a business plan, sales and customer services, agricultural marketing, purchasing and inventory, agro-security, bio-security, business regulations and laws, career development and human resources, business leadership, and large wood shop project.



# Agricultural Capstone

2 Semesters

Varies according to work hours completed, see Instructor for options

Grade: 12<sup>th</sup>

*Pre-Req: Instructor Approval Required*

## **OPTION ONE: Work Release Capstone**

***Course Requirements: Approved employment in agriculturally-related business; subject to approval by instructor.***

In cooperation with the Junior or Senior Ag class offered, agriculture students only can elect to be part of Agricultural Capstone/Co-Op for 12<sup>th</sup> grade year. This course is designed to prepare high school students for employment in agriculture and related occupations. Students can receive release time depending on their school schedule and receive 3 school credits for their completed capstone experience. A minimum of 540 hours must be completed from the first day after school ends as a junior and until the last day of the senior year to receive course credit. In addition, students must be passing all subjects at interim and each grading period to be eligible for release.

## **OPTION TWO: In-Class Capstone Project**

***Course Requirements: Students must have taken and passed three Webxams prior to enrolling in this class. Class enrollment approved by instructor.***

This capstone class is an in-school, yearlong classroom learning experience project. Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work or volunteer experience to benefit themselves and others, or the FFA chapter.

# ART

The Art Program is a four-year elective course. Although it is divided into Art I, II, III and IV, it is really a series of mini units stretching over a four-year period designed to help students mature in their knowledge and skills in the visual arts. Art heritage and art in society are integrated into the studio program. Because the course is offered in this manner, it has some unique characteristics. First, there is flexibility in that students can progress at their own rate and concentrate more on areas that interest them while meeting only the minimum requirements in other units. Secondly, because students can progress at their own rate, they have the opportunity to complete as many units as they wish, however, they must complete certain required units each year. Semester exams will include: 1) studio experiences during the semester - drawing, painting, etc.; and 2) art history topics studied during the semester. Following is an outline of units covered over the four-year period.

For Art I, II, III and IV, a general fee is charged for these classes. However, the student may need to purchase additional materials and supplies for certain projects.

## Art I

2 Semesters  
1 Credit

This course introduces the students to the seven basic elements and principles of art. Studio art, aesthetics, art history, and appreciation are some of the topics covered during the first year. Various materials will be used including clay, acrylic, watercolor, graphite, tempera, and more.

## Art II

2 Semesters  
1 Credit  
*Pre-Req: Art I*

Students begin to create their own personal art portfolios in this course. Assignments are given and students are able to work a little more independently on their projects. Copper, block printing, clay, watercolor, etch-board, pastel, and acrylic are some of the projects of this class.

## Art III & IV

2 Semesters  
1 Credit  
*Pre-Req: Art I, Art II, and Teacher Recommendation*

At this level, the student will understand many of the basic elements involved in creating works of art and will become more self-directed.

Students in these classes work independently with a guide. There are a required number of projects to complete, but students can pick and choose their own projects and complete them in any order. Individual portfolios are enhanced, and specific portfolio requirements for college admission can be incorporated.

# MUSIC

## High School Band

2 Semesters

1 ¼ Credits

Students who enroll in band are members of the “Cardinal” Marching Band in the fall and the Concert Band after marching season is complete. The “Cardinal” Marching Band has summer rehearsals and band camp before school begins, and performs at all varsity football games, various parades and marching band festivals. Students perform a variety of music from traditional school and spirit songs to contemporary popular music. The Concert Band performs at concerts throughout the winter and spring, as well as OMEA adjudicated events. Students perform a variety of music from traditional and marches to popular and seasonal music. Students also have opportunities to perform at various honor band and solo and ensemble events. Band students are also members of the Pep Band during basketball season and perform at all Friday home varsity basketball games. Students wishing to enroll in High School Band must achieve a C or better their previous year in band. Students wishing to join band who were not members of band the previous school year, and/or did not achieve the required grade must enroll in private lessons before rejoining the group at the director’s discretion.

## Marching Band Color Guard

9 Weeks

¼ Credit

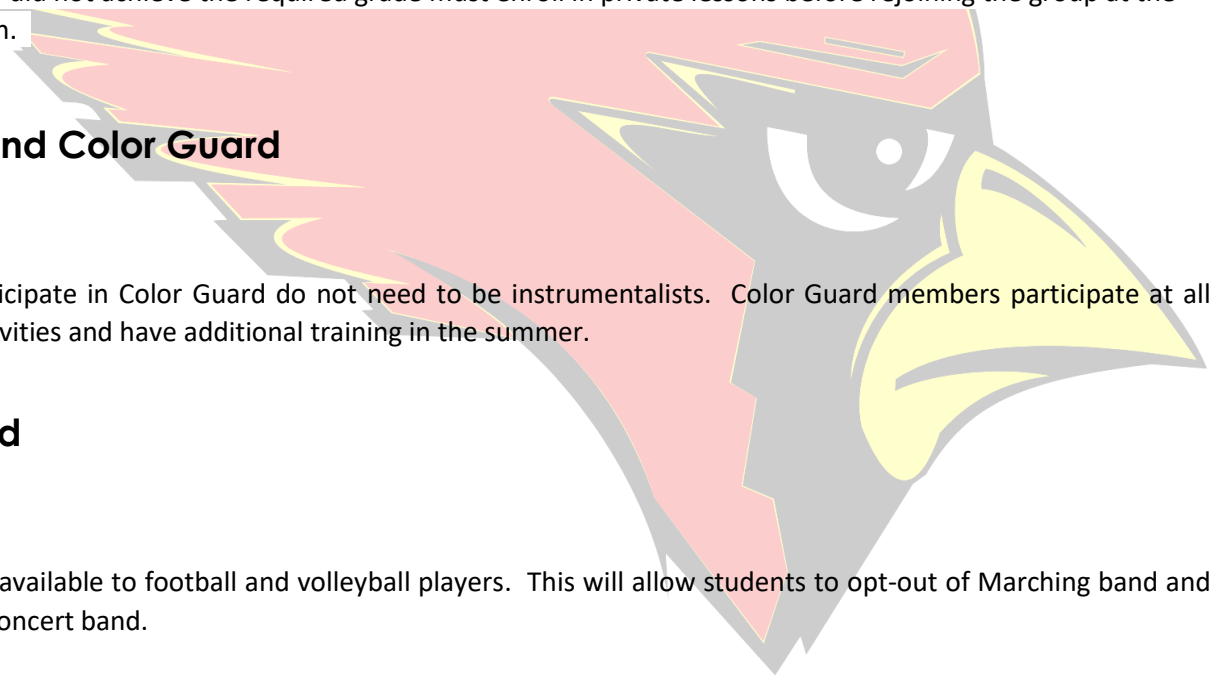
Students who participate in Color Guard do not need to be instrumentalists. Color Guard members participate at all marching band activities and have additional training in the summer.

## Concert Band

1 ½ Semester

¾ Credit

This course is only available to football and volleyball players. This will allow students to opt-out of Marching band and still participate in concert band.



## High School Choir

2 Semesters

1 Credit

High School Choir is a concert ensemble that performs a variety of music ranging from Broadway show tunes, seasonal favorites, contest selections, spirituals, and present pop music. Some choreography is used during the fall Broadway show and during the Spring Pops Concert. All students are expected to learn and perform these basic dance moves. Students also have an opportunity to participate in a solo and ensemble contest as well as numerous other honors' choirs, perform the National Anthem at Boys' Basketball Games, and perform for various community functions. The students may be split into two or more separate groups based on student enrollment, singing experience, and/or audition.

Attitude, participation and weekly performance standards will be the basis of your grade. Required performances and written semester exams also factor into the grade you receive in this course. Unexcused absences from required performances and rehearsals will result in the lowering of your grade.

## Music Theory I & II

1 Semester

½ Credit each

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Students without previous music experience will need teacher approval*

This is a semester course consisting of studying the fundamentals and harmony of music. It is helpful to have a background in piano, but not necessary. This semester course will fulfill ½ of a fine art's credit. Self-motivated students will be more successful in this class as there is a fair amount of independent work to be done. It is recommended that you complete Music Theory I before taking Music Theory II.

## Music History I

1 Semester

½ Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

Music History I is a survey of Music History from the middle Ages era to the present. For each time period, students will include composer research and listening examples. Various teaching methods are used in this course presentation. This semester course will fulfill ½ of a fine art's credit.

## Music History II

1 Semester

½ Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Music History I*

Music History II explores the beginnings of music in America focusing on jazz, Motown, pop/commercial music and music of non-western cultures. Self-motivated students will be more successful in this class, as there is a fair amount of independent work to be done. It is recommended that you complete Music History I before taking Music History II.

# HEALTH & PHYSICAL EDUCATION

## Physical Education

1 Semester

¼ Credit

Offered during 7<sup>th</sup> and 8<sup>th</sup> Grade years (Graduation Requirement)

A comprehensive subject area which incorporates fundamental motor skills, body control and balance, physical fitness, leisure sports and games skills, cognitive skills, as well as stress management skills.

## Fitness & Wellness

Offered for 1 Semester or for 2 semesters (Full-Year)

¼ Credit per semester (1/2 Credit for Full-Year)

This course is designed for students wanting to live a healthy lifestyle, improve athletic potential, and build a solid foundation for lifetime fitness. This class will allow all students the opportunity to unlock their potential by teaching students the proper workout techniques while also discussing other factors that affect exercise (i.e. (nutrition and sleep habits). This class will allow students the opportunity to work on agility, coordination, muscular strength, muscular endurance, speed, power, cardiovascular endurance, range of motion, flexibility, recovery techniques, and more. Students in this class will utilize the CBC and gymnasium on a regular basis. This class may work on an extended class period schedule.

## Health

1 Semester

½ Credit (Graduation Requirement)

This course contains activities that promote understanding, attitudes, and practices consistent with individual, family and community health needs. Topics will include nutrition, diet, fitness, drugs, alcohol and tobacco as well as drug abuse prevention and mental health.

# FAMILY & CONSUMER SCIENCE

The goals of the Work and Family Life program are to:

- Prepare students for facing the ever-changing and challenging work of the family.
- Provide opportunities for students to develop a high level of competence in decision making, problem solving, interpersonal skills, citizenship and leadership, and balancing work and family through practice in the context of practical problems posed in each course.
- Prepare students to assume responsibility for their own thinking.
- Provide a framework for evaluating potential consequences of actions in terms of self.

## Life Skills I

2 Semesters

1 Credit

This course will consist of units of study on independent living, values, goal setting, communication skills, food and nutrition, kitchen safety, relationships, and sewing techniques. After passing a food safety and kitchen safety test, the students will complete food labs. Each student will also have one sewing project to complete.

## Life Skills II

2 Semesters

1 Credit

Grade: 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>

*Pre-Req: Life Skills I*

This course will consist of units of study on management skills, decision making, career paths, consumer skills, food and nutrition, parenting, child development, laundry, sewing, clothing and fashion and housing needs. The students will complete food labs and a sewing project.

### **Agricultural Industrial Tech**

Agricultural Industrial Tech is a two-year STEM program that trains students to troubleshoot agricultural equipment as well as introduces them to the business end of the servicing industry. Students receive forklift training and work on a Commercial Driver’s License (CDL).

Courses

### **Animal Health**

Animal Health is a two-year STEM program which provides training in the field of animal science, veterinary medicine, and the animal industry. Students study animal health, nutrition and behavior, anatomy and physiology, medical terminology, medical conditions and diseases, safety and sanitation, and grooming and handling. They learn to assist with physical and clinical exams, hospital and laboratory procedures and minor surgery. The class will also include office or business management skills in maintaining records, inventory, pharmaceuticals and equipment and supplies.

Courses

### **Automotive Technology**

Auto Tech is a two-year NATEF/ASE certified program which covers the diagnosis, repair, and maintenance of cars, trucks, and other vehicles. Junior students develop skills through hands-on experience with gasoline combustion engines, automotive service and brake work. Seniors study automotive technology in greater depth, including servicing electrical systems, engine performance, suspension and steering, and heating and air conditioning.

Courses

## **Construction**

Construction is a two-year program which covers all aspects of the construction industry including: safety procedures, building codes, practical math, carpentry, interior finishing, framing, roofing, plumbing and heating, electricity, house wiring, concrete work, masonry, use of hand and power tools, techniques of home design and building materials – differences and costs.

### Courses

## **Engineering Technology**

Engineering Technology is a two-year STEM program. Classwork consists of manual sketching, problem solving, and drawing on the Computer Assisted Drafting (CAD) system using AutoCAD-mechanical, Inventor Solid Modeling software, Revit, and CorelDRAW. Students study basic electrical and circuit design, Arduino programming, and how to use 3-D printers and an Epilog laser engraver. In collaboration with other programs, students learn basic welding skills, Torchmate software, and how to operate a computer-controlled plasma cutter.

### Courses

## **Graphic Communications**

Graphic Communications is a two-year program in which students develop the technical and creative skills necessary to compete in today's technology-driven and fast-paced multibillion-dollar creative and print industry. Class projects utilize real-world scenarios and provide hands-on experience with the latest Adobe products, taking design concepts all the way through to production. Students create a portfolio of their work to showcase their skills for employment or college interviews.

### Courses



## **Interactive Media**

Interactive Media is a two-year STEM program in which students create multi-media productions such as videos, motion graphics, 3D modeling, animation, podcasts, and websites. They work in the Adobe Creative Cloud programs for photo editing and graphic design to integrate into their projects. Students get hands-on experience using video cameras, microphones, and OBS software while creating video productions in the program's new sound booth and green screen/studio. They learn about marketing strategies and social media management plus those who are interested in programming, will have an opportunity to learn the basics.

Courses

## **Info Technology/Cybersecurity**

Information Technology/Cybersecurity students will train in the fundamentals of computer networking and the use of cybersecurity components to detect, mitigate, and protect against vulnerabilities and attacks of information technology systems. Areas of study will include information technology, networking/network security, cybersecurity, and cybersecurity defense and reinforcement, cryptography, and digital forensics.

Courses

## **Med Prep**

Med Prep is a two-year college prep program in which students gain knowledge and experience in the medical professions through hands-on classroom work and observation at area health care facilities during both the junior and senior years. Areas of study include anatomy, physiology and pathophysiology, phlebotomy, medical terminology/abbreviations, human growth and development, first aid, CPR, and professional ethics. Students learn to use various types of medical equipment and can earn STNA certification in this STEM program.

Courses

## **Precision Machining**

Precision Machining is a process that takes raw material, often metal or plastic, and transforms it into a precision part or tool that helps make the things we use in everyday life. Students will learn how to operate modern metalworking machine tools such as lathes, mills, drills, and grinders, and computer numerical controlled and programmable equipment in this program.

### Courses

## **R.E.C. Tech**

R.E.C. Tech is a two-year STEM program in which students receive a strong background in electronics/electrical systems, mobile and industrial robotics, computer systems and basic networking.

### Courses

## **Education/Teaching Professions**

Teaching Professions is a two-year program designed for students who are interested in a career in education. Students study children of various ages and abilities, how they learn, and how to plan appropriate activities and lessons utilizing the Ohio Department of Education Learning Standards. Qualifying Teaching Professions students are placed in various classrooms to gain valuable field experience.

### Courses

## **Welding**

Welding is a two-year, NC3 Lincoln Electric partner program that gives students the technical knowledge and practical skills to enter the field of welding and metal fabrication.

### Courses

## **Career Based Intervention**

Career Based Intervention/P3 (CBI) is a work study program that provides students with the opportunity to attend core classes at their home school as well as CBI class and includes the possibility of early release for their CBI work experience. CBI students are introduced to the growing needs of the local workforce while attaining critical financial planning skills that they will need for life. Students also get a chance to develop valuable soft skills that they often use in the workforce.

### Courses

