

## 2024-2025

# CURRICULUM GUIDE

### Napoleon Senior High School

Napoleon Senior High School offers a broad selection of courses. The following procedures will be followed to help students insure proper course selection to meet graduation requirements and obtain the greatest benefit from classes offered at Napoleon Senior HS:

- Each grade level class will receive group orientation for scheduling purposes. Students are advised to discuss goals and course selections with their parents/guardians, teachers, and guidance counselor.
- Any course offerings which fall below the minimum size of 15 students may not be offered unless approved by the building administration. Most academic classes will be limited to a maximum of thirty students; in some courses, such as Advanced Placement disciplines, the student to teacher ratio will be smaller.

The Board of Education recognizes that the personal, social, physical, and educational growth of children will vary and that they should be placed in the educational setting most appropriate to their needs at the various stages of growth. It is the Board's intent that each student be moved forward in a continuous pattern of achievement and growth that is in harmony with his/her own development. Student promotion, academic acceleration, placement, and retention are defined according to Board of Education Policy 5410.

### Procedures for a Schedule Change

Students and parents are asked to carefully select the courses that will best meet the needs of the student. Counselors are available to help with this process. Parents and/or students may schedule an appointment with a counselor to receive assistance. Course selections are used immediately to make staff assignments for the coming year and to determine when courses will be offered. For these reasons, ALL requests are considered FINAL and MAY ONLY BE ADJUSTED if one of the following criteria is met:

- The course the student requested was canceled or it was offered at a time that would not fit into the student's schedule.
- The student became part of a specialized group based upon educational needs or services and adjustments are required to the schedule.
- A medical, emotional or family emergency indicates that a change is in the best interest of the student.
- The student has not met the prerequisite for a scheduled course.
- The computer did not balance the study halls giving the student two study halls one semester and none in the other semester.
- The student previously failed the same class with the same teacher, provided that a different teacher is teaching the class and has available space.
- The student failed a course in the previous semester and a schedule change is now required.
- The student made up credit, through summer school, correspondence coursework, or the opportunity lab, and a schedule change is now necessary.
- A scheduling error occurred, and the student did not receive the classes originally requested.
- The move is in the best interest of the student or staff, as in balancing the number of study halls a student has each semester, fitting in a college class schedule in addition to high school courses, placing approximately the same number of students in each section of a course, etc.
- School administration deems a change in a schedule is the most appropriate decision for the student.

All schedule changes will occur on the two days of schedule pickup and will be announced in advance via Guidance twitter, students' school email, the school's Guidance Dept. website, and as needed. Schedule change requests will not be considered after the first day of the academic school year. If a student is removed from a course after the schedule change period has concluded, the student will receive a grade of withdrawal-fail (WF) for the semester if he or she is failing at the time of removal. The grade will become part of the student's permanent record and will be included in the grade point average and transcript. The principal, upon



recommendation of a counselor, may consider extenuating circumstances. School officials will make the final decision as it pertains to each child’s course offerings, times, locations, and placement during the academic day.

PLEASE NOTE: Except for the reasons listed above, no schedule changes will be made once the school year begins. SCHEDULES ARE FINAL AND WILL NOT BE CHANGED.

### **Graduation Requirements & Ohio’s State Testing Requirements**

Classes of 2023 and beyond: State law introduced new, permanent graduation requirements for students in the class of 2023 and beyond. Students entering ninth grade after July 1, 2019, must meet the new requirements outlined in state law. The new requirements are known as the Permanent Requirements.

For students who enter grade 9 on or after July 1, 2019, state testing laws require districts to administer end-of-course tests to all students at the completion of the associated course. The required end-of-course tests include algebra I, geometry\*, English language arts II, biology, American government and American history.

*\*Recent changes to state law direct the Ohio Department of Education to work with the U.S. Department of Education to ensure compliance with federal testing requirements for high school mathematics. While these discussions are ongoing, it is possible the geometry end-of-course test may be removed from the state assessment system in the future. However, at this time, districts and schools should plan to administer the geometry end-of-course assessment to any student who is enrolled in a geometry course for the first time and who has not taken the test already. The Department will communicate any changes once a final determination is made in consultation with the U.S. Department of Education (revised 3/2/2020).*

Additionally, districts and schools are required to administer the state-funded ACT or SAT to all juniors (see exceptions on the Ohio Department of Education website) during the spring of the junior year.

Students in the classes of 2023 and beyond (those who enter grade 9 on or after July 1, 2019) must meet the new requirements. Ohio’s new graduation requirements consist of three key components:

1. **Course Completion:** Students will satisfy Ohio’s curriculum requirements and any additional local requirements. Students will complete the state minimum 20 units, with specific units required in each content area. NACS require students to earn 21 units.
2. **Competency Demonstration:** Students will demonstrate competency in the foundational areas of English language arts and mathematics or through alternative demonstrations, which include College Credit Plus, career-focused activities or military enlistment.
3. **Readiness Demonstration:** Students will demonstrate readiness for their post-high school paths by earning two seals that allow them to demonstrate important foundational and well-rounded academic and technical knowledge, professional skills, social and emotional competencies, and leadership and reasoning skills.

Senate Bill 1 (SB 1) requires students who enter ninth grade on or after July 1, 2022, to complete one-half unit of instruction in financial literacy as part of the required high school curriculum. Allows students to replace ½ unit of a math course with the required ½ unit of financial literacy; the math course cannot be Algebra II, or its equivalent, or a course for which the State Board requires an end-of-course examination (Algebra I).

### **Educational Options (BOE Policy 2370)**

Educational options are learning experiences or activities that are designed to extend, enhance, supplement, or serve as an alternative to classroom instruction. Such options may include, but not be limited to, distance learning, on-line coursework, tutorial programs, independent study, correspondence courses, educational travel, project portfolios, internships, mentorship programs, summer school, and early college entrance.

Prior approval of the educational option application by the Superintendent shall be required before a student participates in one (1) of the available educational options. Prior permission of a parent or guardian shall also be required before a student under age eighteen (18) participates in one (1) of the available educational options.

Participation in an educational option shall be in accordance with an instructional and performance plan which will be developed based on the individual student's needs. The instructional plan will include:

- A. instructional and performance objectives that align with District's curriculum requirements;



- B. a description of the criteria and method for assessing student performance;
- C. an outline of specific instructional activities, materials and learning environments.

Participation must be subject to the oversight of a credentialed teacher who will review the instructional plan which may include providing, supervising, or reviewing instruction or learning experiences, and the evaluation of student performance. Credit for approved educational options shall be assigned according to student performance relative to stated objectives of the approved instructional and performance plan and in accordance with District policy and established administrative guidelines. The District shall communicate information and procedures related to credit flexibility and educational options available in the District to students, parents, and interested stakeholders.

To be eligible to submit for the credit flexibility option, students must meet the following qualifications:

- Enrolled as a full-time student with the Napoleon Area City School District;
- Or another Ohio public state-accredited institution for at least one full school year (180 days) or have consent of the administration;
- Must not be in the second semester of their Senior year;
- See your guidance counselor for more information regarding Educational Options.

#### **Acceleration Policy (BOE Policy 5409)**

In order to comply with the requirements of R.C. 3324.10 that the Board of Education adopts and implements a policy commencing with the 2006-2007 school year that addresses at least whole grade and subject area acceleration, and early high school graduation, the Board expressly combines herein and incorporates by reference:

- A. Policy 5112 - Entrance Requirements;
- B. Policy 5410 - Promotion, Academic Acceleration, Placement, and Retention;
- C. Policy 5464 - Early High School Graduation

Students and/or parents who are interested in student evaluation and consideration for whole-grade or subject area acceleration or early high school graduation should contact the building principal and/or the student's guidance counselor. Parents who wish to have their child evaluated and considered for early admission to kindergarten should contact the building principal.

#### **College Credit Plus Program or CC Plus (BOE Policy 2271)**

The College Credit Plus program gives college-bound high school students the opportunity to earn college credit and high school credit simultaneously. This gives students the advantage of starting the transition to college early, while reducing the cost and length of time needed to graduate once they enroll in college. High School students can take part in the college experience, interacting with full-time college students and university faculty, while experiencing the rigor of college-level courses. Courses may be taken face-to-face at a college campus, online, or here at NJSHS for specific courses. All students must meet the requirements for participating in the College Credit Plus Program outline in BOE 2271.

Students should see their guidance counselor for detailed information pertaining to eligibility requirements in order to participate in CC Plus, as well as other rules/guidelines pertaining to CC Plus. Students and parents who are interested must attend an annual informational meeting held at NJSHS where they will obtain an informational packet, sign the intent to participate, and have the opportunity to meet with high school counselors and college admissions officers.

As required, NJSHS has created a 15-hour and 30-hour pathway through a local community college (Northwest State) to help students potentially fulfill the guidelines as set forth in the Ohio Revised Code. NJSHS has created two pathways in the content areas of STEM (Science, Technology, Engineering, and Math) and SAIL (Social Sciences, Arts-Physical and Visual, Industry-Services, and Languages-ELA and Foreign).



**Promotion, Academic Acceleration, Placement and Retention**  
**(BOE Policy 5410)**

The Board of Education recognizes that the personal, social, physical, and educational growth of children will vary and that they should be placed in the educational setting most appropriate to their needs at the various stages of their growth. It is the Board's intent that each student be moved forward in a continuous pattern of achievement and growth that is in harmony with his/her own development. Such a pattern should coincide with the system of grade levels established by this Board and the instructional objectives established for each. The promotion and retention provisions of this policy shall be in compliance with the terms of Ohio's Third Grade Reading Guarantee (Policy 2623.02).

Promotion:

A student will be promoted to the succeeding grade level when the individual has:

- completed the course and State-mandated requirements at the presently assigned grade;
- in the opinion of the professional staff, achieved the instructional objectives set for the present grade;
- demonstrated sufficient proficiency to permit him/her to move ahead in the educational program of the next grade;
- demonstrated the degree of social, emotional, and physical maturation necessary for a successful learning experience in the next grade.

**Summer School (BOE Policy 2440)**

The Board of Education may conduct a summer program of academic instruction for Pre-K - 12 for resident students of this District and such other students as the Board may admit. Summer school instruction shall be designed to provide opportunities for students to:

- A. improve a poor grade; B. improve learning skills; C. make up a failed course; D. enrich a scholastic program; E. explore new academic areas.

The course(s) that a student enrolls in must be approved through the student's high school counselor.

Applications for summer school typically become available in the Guidance Office each April or May.

**NCAA**

Students who plan to participate in college athletics, particularly Division I or II, should register with the NCAA Eligibility Center online at the end of their junior year. Please note that NOT all classes offered at NHS are recognized by the NCAA. Students should see their counselor if they have any questions.

**Job Shadowing/College Visits**

Each student is allowed 3 total days per academic year to job shadow or participate in a college visit. Sophomores, juniors, and seniors are eligible to participate in job shadowing or college visitation. All paperwork is available in the guidance department. The appropriate paperwork must be completed for verification and attendance purposes.

**Early Release/Delayed Arrival to School**

As defined by the administration in conjunction with the student's academic schedule with assistance from the guidance department, a student may be released from school early prior to the end of the academic calendar day or arrive at school after the pre-established start time. The student, guidance counselor, administration, and parent(s) will secure such arrangements in writing. A record will be kept on file. Student(s) will follow all expectations as defined by the school under such agreement.

**Requirements for Participation in Graduation Ceremony & Graduation Requirements**  
**(BOE Policy 5460)**

The following criteria has been established for students to participate in the graduation ceremony:

- The student must have completed or is scheduled to complete all graduation requirements established by the State Board of Education and the Napoleon Board of Education. Graduation requirement options can be reviewed at: <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements>.
- The student may be deficient up to an equivalent of one credit to meet graduation requirements but must be capable of completing this deficiency during the summer, through summer school or correspondence. Stated simply, a student must have 20 credits at the close of the senior year to participate in graduation.



- Students who are deficient in the area of the Ohio State Tests may still participate in the graduation ceremony, but must pass all tests to receive a diploma.
- Foreign exchange students shall be considered guests of the graduating class at the graduation ceremony and will be recognized. These students shall be granted an “Honorary Diploma” from the Napoleon Board of Education.
- A diploma shall be awarded to any student who meets the established requirements for graduation or the requirements of his/her IEP; attains the applicable scores on the tests required by the State Board of Education to graduate; and meets any additional criteria the State Board may establish.
- Participation in commencement exercises is a privilege and not a right. Commencement exercises will include only those students who have successfully completed requirements for graduation as certified by the high school principal or those students who have otherwise been deemed eligible to participate in such exercises. A student may be denied participation in the ceremony of graduation when personal conduct so warrants. However, no student who has completed the requirements for graduation shall be denied a diploma as a disciplinary measure.
- Students who enter ninth grade after July 1, 2019, must satisfy the following two (2) requirements. The Board of Education permits students who enter ninth grade before July 1, 2019, to earn a diploma if they meet these requirements as an additional pathway to graduation.
  - A. Earn at least two (2) State diploma seals, one (1) of which must include:
    1. Seal of Biliteracy;
    2. OhioMeansJobs-readiness Seal; or
    3. State Diploma Seal in one (1) of the following areas: Industry-recognized Credential Seal; College-ready seal; Military Enlistment seal; Citizenship seal; Science Seal; Honors Diploma seal; Technology seal.

The Board offers the following additional seal(s) in accordance with adopted administrative guidelines: Community Service seal; Fine/Performing Arts seal; Student Engagement seal.

- B. Attain a competency score on each of the Algebra I and English Language Arts II end-of-course examinations. Students who receive a proficient score on Algebra I or English Language Arts prior to entering high school will fulfill this requirement and will not be required to retake the exams. Students who fail to attain the competency score in either subject will be offered remedial support and will be required to retake the exam(s) at least once. A student who fails to achieve the competency score a second time may demonstrate competency in the failed subject area by completing one (1) of the following:
  1. earn course credit through College Credit plus in that subject;
  2. provide evidence of enlistment in a branch of the armed services of the United States; or
  3. complete two (2) of the following options, with at least one (1) of the options being a foundational option
    - a. Foundational Options: earning a score of proficient or higher on three (3) or more State technical assessments; obtaining an industry-recognized credential; completing a pre-apprenticeship or apprenticeship in a chosen career field; providing evidence of acceptance into an apprenticeship program after high school that is restricted to participants eighteen (18) years of age or older.
    - b. Supporting Options: completing 250 hours of a work-based learning experience with evidence of positive evaluations; obtaining an OhioMeansJobs-readiness seal; attaining a workforce readiness score selected by the State.

#### **Early High School Graduation (BOE Policy 5464)**

The Board of Education acknowledges that some students seek to pursue educational goals that include graduation from high school at an earlier date than their designated class. A student who completes the requirements for early graduation may participate in the graduation ceremonies with his/her designated class or the class graduating in the year in which he/she completes the District's requirements for high school graduation.

#### **Early High School Graduation – General Information**

- Application for early high school graduation must be submitted to the high school principal.



Applications and/or the process of how to apply for early graduation can be obtained in the Guidance Office. Students should meet with his or her respective guidance counselor to review the process.

- The principal may honor this request if all conditions for high school graduation are met and the student fulfills the high school graduation requirements.

### **Diploma with Honors**

#### **(Subject to changes by the Ohio State Board of Education)**

High school students can gain state recognition for exceeding Ohio’s graduation requirements through an honors diploma. Students challenge themselves by taking and succeeding at high-level coursework and in real-world experiences. Ohio students have the opportunity to choose to pursue one of six honors diplomas:

1. Academic Honors Diploma;
2. International Baccalaureate Honors Diploma;
3. Career Tech Honors Diploma;
4. STEM Honors Diploma;
5. Arts Honors Diploma (Includes dance, drama/theater, music, and visual art);
6. Social Science and Civic Engagement Honors Diploma.

Information pertaining to Honor Diplomas can be found at <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas>. Students should consult with their guidance counselor.

### **Class Rank (BOE Policy 5430) and Grade Point Average Classes 2017 & Beyond**

The Board authorizes a system of class ranking, by grade point average, for students in grade(s) 9-12. All courses receiving high school credit will be used to compute a student’s grade point average and class rank. One unit of A=4.0, B=3.0, C=2.0, D=1.0, F=0.0. Point value variations will occur in the 4.0 scale based upon the status of a letter grade with a “+”, only letter grade, or the letter grade with a “-“ as earned. In addition, students will receive additional or weighted grades for Honors or Advanced Placement courses. Students are ranked at the end of each semester. The cumulative grade point average and rank at the end of each school year are re- corded on the student’s official transcript. The following is the 2024-2025 grading scale for Regular, Honors, and Advanced Placement Courses:

<u>Range</u>	<u>Regular</u>	<u>Honors</u>	<u>AP</u>
A+ 97-100	4.0	4.5	5.0
A 93-96	4.0	4.2	4.5
A- 90-92	3.8	4.0	4.2
B+ 87-89	3.5	3.8	4.0
B 83-86	3.2	3.5	3.8
B- 80-82	2.8	3.0	3.5
C+ 77-79	2.5	2.8	3.2
C 73-76	2.2	2.5	2.8
C- 70-72	1.8	2.2	2.5
D+67-69	1.5	1.8	2.2
D 63-66	1.2	1.5	1.8
D- 60-62	1.0	1.2	1.5
F 0-59	0.0	0.0	0.0

- The grades of students transferring to the high school from a chartered school will be recognized; however, such students shall have no established class rank for purposes of graduation honors, such as Valedictorian, etc., until such time as they have completed three (3) semesters.
- Students entering the high school from non-chartered or home-based schooling shall have no established grade point average (GPA) or class rank for purposes of graduation honors, such as Valedictorian, etc., until such time as they have completed three (3) semesters.
- No student shall be eligible for graduation honors, such as Valedictorian, etc. unless they have been enrolled for three (3) consecutive semester(s) prior to the final semester utilized for purposes of determining such honors.



### **Advanced Placement College Board Courses - General Facts**

Advanced Placement College Board Courses are college level courses geared for more rigorous instruction and content. Students are expected to take an examination for a fee; whereas college credit at most higher educational institutions can be earned based upon the final score. AP testing is in the spring for the potential of earning college credit. General expectations for all AP courses are as follows:

- All students will take the AP Spring Assessment/Exam.
- All students will be charged the AP examination cost as part of their student fees to be placed on their account at the beginning of the school year.
- The Pass/Fail option does not pertain to AP courses. All courses must be taken for a letter grade.
- Students may withdraw with instructor, administration, and parental approval at the semester. The administration will have the final determination about student requests to drop/add AP courses.
- Summer work may be a requirement as defined by the instructor. If the summer assignment is not completed within the first 3 days at the start of school, the student may be withdrawn from the course with a “Withdraw” status. If the student elects to continue the course after the 3 days without completing the summer assignment and then decides to withdraw, the students will earn a “Withdraw-Fail” or “WF”.

### **Honor Courses - General Facts**

Honors Courses are classes, which require more rigorous studies. Honors courses are for students who typically perform above the traditional standards of regular courses. Students are expected to complete more work and put forth additional studies in order to be successful in the course. General expectations for all Honors courses are as follows:

- Students may be required to complete additional work beyond what is expected in other classes.
- Students may be assessed fees for classes, which will be placed on their account at the beginning of the school year.
- The Pass/Fail option does not pertain to Honor courses. All courses must be taken for a letter grade.
- Students who withdraw may not be permitted to enroll in another Honors course within that discipline in future years.
- Students may withdraw with instructor, administration, and parental approval at the semester. The administration will have the final determination about student requests to drop/add Honors courses.
- All students who take an Honors course are encouraged to meet regularly with their guidance counselor to discuss how the course will impact his or her GPA and college or career readiness.

### **Physical Education Credit Participation Exemption (BOE Policy 5460)**

In accordance to Section 3313.603 of the Ohio Revised Code and BOE policy 5460, students who have participated in interscholastic athletics, marching band, or cheerleading for at least two (2) full seasons, as defined in the student handbook/curriculum guide while enrolled in grades 9 through 12, and as documented by the principal, athletic director, assistant principal, guidance counselor, etc. may be excused from the high school physical education requirement. Students selecting such an excuse shall complete one-half (1/2) unit of at least sixty (60) hours of instruction in another course of study which is designated by the Board as meeting the high school curriculum requirements. Credit may be earned by: completing coursework; testing out of or demonstrating mastery of course content; or pursuing one or more educational options in accordance with the District’s Credit Flexibility Program. Credit may be earned at an accredited postsecondary institution through College Credit Plus (CCP or CC+).

Procedure for Documenting Physical Education Course Exemptions:

1. Prior to participating in a full season of a sport, marching band, cheerleading, the student should complete and turn in the Physical Education Waiver Intent Form to the high school Guidance Office. Students who do not submit a waiver intent form will be enrolled into a Physical Education course. Students entering his or her junior year who have not satisfied PE requirements will take the required courses, unless otherwise determined by the administration. Forms can be picked up at the high school Guidance Office and must be submitted by June 1<sup>st</sup> of the year prior. Students shall submit their request following the traditional format associated with the annual scheduling process.
2. Forms will be kept in the district athletic office until the seasons are completed. Forms will then be verified by the Athletic Director and given to the Guidance Office for record keeping.



3. PE Waiver will be added by the guidance counselor on the Official Transcript upon successful completion.
4. The administration will make the final decision regarding the implementation, participation, and awarding of credit.

**School Counseling Services Available**

Depending on your needs, your counselor can help you in a variety of areas, such as:

- Individual and Group counseling
- Review of high school credits & scheduling classes
- Conflict resolution/peer mediation
- Career counseling and information, including pathways to career and college readiness
- College applications and materials
- Scholarship information
- Financial aid forms
- Contact with military recruiters
- Drug and alcohol prevention counseling
- Decision-making and choices for a healthy lifestyle
- Study habits and school work
- ACT/SAT test dates and registration packets
- State standardized test dates and preparation materials
- Four County Career Center Opportunities

The School Counselors are assigned to each and every student. Students are strongly encouraged to make regular contact with his or her guidance counselor. Napoleon Junior & Senior High School has an on-site school psychologist and attendance officer/licensed social worker. Students may receive services from either of these professionals during the course of the school year.

**MINIMUM CORE REQUIREMENTS FOR COLLEGE PREPARATION IN OHIO**

**Graduation Requirements & Minimum Total 21 Credits**

- |  |                       |
|--|-----------------------|
| English - 4 credits (includes 0.5 credits of basic speech) | Health – 0.5 credits  |
| Physical Education (PE1 + PE2) = 0.5 credits               | Science – 3.0 credits |
- Mathematics.....4 credits (includes 1 unit of algebra II or the equivalent of algebra II) (Starting with the class of 2017, students may only be awarded Algebra 1 credit from NJHS to count towards their high school graduation requirement.)
- Financial Literacy = 0.5 credits (Class of 2026 & Beyond)
- Electives – 6.0 credits
- Social Studies.....3.0 credits (includes 1.0 of American History, 1.0 Government & Economics)

The student must have completed or is scheduled to complete all graduation requirements established by the State Board of Education and the Napoleon Board of Education. Graduation requirement options can be reviewed at: <https://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements>.

**THE “FINE PRINT”**

- Elective units must include one or any combination of foreign language, fine arts, business, career-tech ed., technology, or English language arts, math, science or social studies courses not otherwise required.
- All students must receive instruction in economics and financial literacy during grades 9-12 (this will be accomplished within one of several different classes. The traditional NJSHS students will complete this requirement by taking and passing economics during their senior year.), and must complete at least two semesters of fine arts.
- A semester of Basic Speech is required sometime during grades 9-12. Students that may wish to attend Four County Career Center need to take Basic Speech during their freshman or sophomore school years.





### **STEM or SAIL Courses**

**STEM** classes are defined in the fields of Science (S), Technology (T), Engineering (E), and Mathematics (M). STEM classes have been identified within the curriculum guide to help students select courses, which will allow them to be college or career ready upon graduation. Students who want to enter the areas of science, technology, engineering, or mathematics are encouraged to take as many STEM electives as possible.

**SAIL** classes are defined in the fields of Social Sciences (S), Arts-Physical and Visual (A), Industry-Service (I), and Languages-ELA and Foreign (L). SAIL classes have been identified within the curriculum guide to help students select courses, which will allow them to be college or career ready upon graduation. Students who want to enter the areas of social sciences, physical and or visual arts, service-industry, and English languages or foreign languages are encouraged to take as many SAIL electives as possible.

An example of how a student can use STEM or SAIL:

- If a student enjoys taking social studies classes and likes history, he or she may want to take SAIL classes that promote concepts in the potential career fields of pre-law, history, sociology, psychology, art history, etc.
- Another example, if a student enjoys taking science classes and likes biology, he or she may want to take STEM classes that promote concepts in the potential career fields of healthcare, medicine, marine biology, forensic science, physical therapy, etc.

Some courses contained within the curriculum guide can promote an interest in both STEM and SAIL career fields. Every student is encouraged to take both STEM and SAIL courses, as it makes for a well-rounded person. Some courses, regardless of designation, are requirements for graduation and students are expected to successfully pass the course(s).

## **ART**

**A lab fee is required for ALL art classes.**

**(All Fine Art courses are SAIL)**

### **DESIGN FOUNDATIONS**

Semester Course All Grades 1/2 credit

This is the foundation course open to any student without any prerequisite requirements. Design Foundations emphasizes study of the elements and principles of art and design. Students explore, organize, and use the elements and principles to create two and three-dimensional original work in various forms and media. Works by professional artists in all media areas will be studied.

### **ART 1**

Full Year Course Prerequisite passing of NJHS portfolio review or recommendation by NACS instructor.  
All Grades 1 credit

This is the foundation course for students who are interested in pursuing a 3 or 4 year career in a high school art program. This is a more advanced foundation course than Design Foundations. A wide range of materials, procedures, and subjects are explored with an emphasis on proper technique and originality. Projects include drawing, painting, design, printmaking, ceramics, crafts, art history, aesthetics, and criticism. Students are expected to allow for time outside of class to complete work satisfactorily. Students will need to furnish some materials.

### **ART 2**

Full Year Course Prerequisite: Art 1 Grades 10-12 1 credit

The course is intended to broaden student awareness and capabilities in visual art through studio experiences in drawing, painting, design, ceramics, printmaking, and art history. Students will be introduced to new media. Students will be expected to show increased skill in previously introduced materials. Students are expected to allow for time outside of class to complete work satisfactorily.



### **ART 3**

Full Year Course                      Prerequisite: Art 2      Grades 11-12      1 credit

The course will develop skills, creativity, and individual interpretation through concentrated study in specific media areas. Students will learn some new, more advanced techniques and media. Students will continue to refine and master skills previously learned. Areas to be covered on a nine-week basis include drawing, painting, ceramics, design, metals, printmaking, and art history. Concept development, focusing on contemporary art ideas, is at the forefront of all projects. Students are expected to allow for time outside of class to complete work satisfactorily.

### **ART 4**

Full Year Course                      Prerequisite Art 3      Grade 12              1 credit

The course is designed to allow students to focus on development of style and concentration in specific areas and through a semester of guided independent study. The first semester covers a series of conceptual prompts that students will interpret in chosen media. The second semester allows advanced students to explore media, subject, and technique possibilities in any areas of student’s choice. Research is required as well as studio time outside of class. Teacher approval will be required.

### **SENIOR STUDIO**

Semester Course                      Prerequisite Art 3      Grade 11-12              1/2 credit

A course in drawing, 2-dimensional art of 3-dimensional art for students who are highly motivated and have previous art training. This is an independent study course where students will be expected to work on both work conception and production. Students will need to create 3 works throughout the course of the semester. Critique and studio time outside of class is expected. Teacher approval will be required.

### **CERAMICS 1**

Semester Course                      Prerequisite: Design Foundations or Art 1  
All Grades                              1/2 credit

Original objects primarily pottery and some sculptures are created with clay using hand-building and glazing techniques. Objects created by technical qualities. Students are expected to allow for time outside of class to complete work satisfactorily. Students will need to furnish some materials.

### **CERAMICS 2**

Semester course                      Prerequisite: Ceramics 1  
Grades: 10-12                              1/2 Credit

Wheel-throwing, hand building, and glazing practices are explored at a deeper level to create complex and original ceramic works of art. Advanced problem solving, concept development, and study of exemplar ceramic work will be honed throughout the course.

### **DRAWING**

Semester Course                      Prerequisite: Design Foundations or Art 1  
All Grades                              1/2 credit

This class is divided into two parts – the first is the study, practice, and development of foundational drawing skills, and the second is the application of these skills to create original works. Various dry media, such as pencil, charcoal, and chalk will be explored, as well as pen and ink. Students are expected to allow for time outside of class to complete work satisfactorily, and may need to furnish some materials.

### **PAINTING**

Semester Course                      Prerequisite: Design Foundations or Art 1  
All Grades                              1/2 credit

Students will study, develop, and apply skills as they relate to painting using watercolor and acrylic techniques. Color theory will be explored, and students will work on developing a better understanding of color-mixing. Various artists and their works will be examined. Students are expected to allow for time outside of class to complete work satisfactorily, and may need to furnish some materials.



### **PRINTMAKING**

Semester Course Prerequisite: Design Foundations or Art 1  
All Grades 1/2 credit

Students will apply knowledge of the elements of art and principles of design to create unique works of art through various printmaking techniques such as etching, linocut, and monotype. Artists and their processes will be studied throughout the course. Students are expected to allow for time outside of class to complete work satisfactorily, and may need to furnish some materials.

### **SCULPTURE**

Semester Course Prerequisite: Design Foundations or Art 1  
All Grades 1/2 credit

Various media such as clay, wire, and recycled objects and various processes such as carving, modeling, and fabrication is investigated as means for creating three-dimensional artistic forms. Professional sculptors' works are studied. Students are expected to allow for time outside of class to complete work satisfactorily. Students will need to furnish some materials

### **2-D ANIMATION**

Semester Course Prerequisite: Drawing or Art 1  
All Grades 1/2 credit

Students will study and practice techniques related to hand-drawn and hand-produced animation, creating several short productions over the semester. Various animators and their processes will be studied for their formal, expressive, and technical qualities. Drawing is a heavy component of this course, and students are expected to allow for time outside of class to complete work satisfactorily. Some items will need to be furnished by students.

## **BUSINESS & COMPUTERS**

### **ACCOUNTING 1 - (STEM)**

Full Year Course Grades 10-12 1 credit 011 ACCT

Accounting is planning, keeping, analyzing, and interpreting financial records. This course will introduce basic underlying accounting principles, debit-credit concepts, profit-loss understandings, transaction analysis, and will work through the accounting cycle and record-keeping for a partnership and a single proprietorship. Simulations will be inserted as appropriate and will introduce variety and enrichment in a number of business/accounting related areas.

### **NSCC - ACC111 FINANCIAL ACCOUNTING - (STEM) & (NSCC CC+)**

Semester Course (Spring 2nd Sem.) Grades 10-12 1 credit ACC111 – Northwest State CC

Prerequisite: Qualify score on Accuplacer test.

The course includes a study of the accounting cycle beginning with the business transaction and ending with the preparation of financial statements along with other period end procedures for both sole proprietors as well as corporations. Other topics include: receivables, inventory, depreciation, liabilities, investments, and stock. Transfer Assurance Guide (TAG) approved effective spring 2017 (OBU010 - Introduction to Financial Accounting). (3+0)

### **BUSINESS FOUNDATIONS - (STEM/SAIL)**

Full Year Course Grades 9-12 1 credit

FEE REQUIRED if participating in DECA.

Course is designed to introduce students to economic systems and the economic setting in which it functions. Students will look into how businesses operate and are organized, and issues that affect us as consumers, workers, and citizens. Students will learn about consumer behavior, career exploration and learn to manage personal and financial affairs. The course will also cover dealings with consumer credit, writing checks, investing and insurance. Students will also have the opportunity to be involved in DECA.

### **FINANCIAL LITERACY - (STEM/SAIL)**

Semester Course Grade 9 (New Requirement for Class of 2026 & Beyond) 1/2 credit

This course is to help all students as they pursue college, careers or enlist in the military. Students will learn about financial responsibility and decision making, planning and money management, being an informed consumer, investing, credit and debt, risk management and insurance, and taxation.



### **MARKETING PRINCIPLES - (*STEM/SAIL*) & (*Owen's CC+*)**

Full Year Course FEE REQUIRED 1 credit

#### Application required for Course

Course is designed to introduce students into the field of marketing. Knowledge of basic economic concepts, promotion, selling, pricing, distribution, and market research will be highlighted within different industries. Students will be exposed to documentaries, guest speakers, and web chats with people from a variety of industries to further enhance the class material. Outside class time will be required for participation in DECA

### **MARKETING APPLICATIONS & JOB - (*STEM/SAIL*) & (*Owen's CC+*)**

Full Year Course FEE REQUIRED 1 + 1 = 2 credits

#### Application required for Course

Course is designed to build on Marketing Principles, but not a prerequisite. Introduction of topics regarding management, communication skills, product development, entrepreneurship, and career development will be a main focus. Career exploration and leadership development will be a component of this class to help further develop the student for after high school decisions. Students will be involved in DECA, which may require outside of class time.

### **MULTIMEDIA & ANIMATION - (*STEM/SAIL*)**

Semester Course Grades 9-12 1/2 credit

Students will learn how styles and techniques in animation have changed over time. Reviewing animation from the first animated films to present feature length animations will give students a perspective on this rapidly changing industry. Through hands on projects, students will experience the production of different forms and techniques of animation, including early animation and flipbooks, claymation & stop motion, and computer software programs such as Adobe Animate, After Effects, and Flash.

### **PERSONAL FINANCE & INVESTING - (*STEM/SAIL*) & (*Owen's CC+*)**

Full Year Course 1 credit

FEE REQUIRED if participating in DECA.

This course is to help students become financially responsible, conscientious members of society. To reach that end, this course develops student understanding and skills in, such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments, and consumer rights and responsibilities. This course will give students the tools and resources needed to make wise financial decisions. Students will analyze their personal financial decisions, evaluate the costs and benefits of their decisions, learn the basics of the stock market, recognize their rights and responsibilities as consumers, and apply the knowledge learned to financial situations encountered later in life. Students will also have the opportunity to be involved in DECA.

### **PHOTOSHOP / COMPUTER GRAPHICS - (*STEM/SAIL*)**

Semester Course Grades 9-12 1/2 credit

Take pictures and edit images using Photoshop! In this class students will learn how to edit and enhance digital photos with special techniques and tools using popular software in order to restore old photos and create photo composites. Students will also be introduced to various photo editing freeware. An electronic portfolio will be created as a component of the evaluation. Students will have tangible evidence of their achievements that they can take with them when looking for a job or applying for college! This class is an excellent starting point for students interested in Multimedia & Animations.

### **ADVANCED PHOTOSHOP / COMPUTER GRAPHICS - (*STEM/SAIL*)**

Semester Course Grades 9-12 1/2 credit

Prerequisite: Photoshop

The goal of this semester course is to explore advanced Photoshop techniques. This is accomplished through working with advanced layer techniques, gaining an understanding of how to use curves and other adjustment layers for image enhancement, and an overall exploration of Photoshop. Students will explore several advanced



Photoshop techniques including advanced layering, portrait retouching, tool and palette customizing, and special effects. 3d design will also be explored with the help of Adobe Illustrated and the use of the Solidoodle 3D printer.

## ENGLISH

**(All English and Language courses are SAIL.)**

### ENGLISH I

Full Year Course                      REQUIRED COURSE                      Grade 9    1 credit

The emphasis is on developmentally appropriate genre (e.g. nonfiction and fictional literature), literary terms, verbal skills, vocabulary, grammar, and writing. Credit in this course is required for graduation.

### ENGLISH II

Full Year Course                      REQUIRED COURSE                      Grade 10   1 credit

The emphasis is on developmentally appropriate genre (e.g. nonfiction and fictional literature), literary terms, verbal skills, vocabulary, grammar, and writing. Credit in this course is required for graduation except for those students in EN10H.

### ENGLISH II HONORS

Full Year Course                      REQUIRED COURSE                      Grade 9-10   1 credit

This course allows a more in depth study of the topics covered in English 10 with emphasis on analysis and interpretation and preparing students for possible future enrollment in Advanced Placement courses. The course is open to any interested tenth grade students.

### AMERICAN LITERATURE AND COMPOSITION

Full Year Course                      REQUIRED COURSE                      Grade 10-11   1 credit

A study of historical backgrounds, authors, and writings of the major literary periods of American Literature. The course involves a survey of the novel, short story, poetry, and drama. Included in the course is the instruction of composition skills such as: vocabulary, outlining, paragraphing, composing the multiple paragraph essays, researching, and MLA format. The goal of the course is to develop critical thinking and writing skills through the reading of literature. Credit in this course is required for graduation except for those students in APCR or CC+. (Course is also available to seniors who have taken CC+ or APCR during their junior year. These students will complete the Career Passport for graduation.)

### BASIC SPEECH

Semester Course                      REQUIRED COURSE                      Grades 9-12   1/2 credit

Basic Speech is a core, required course for graduation, which helps students understand the process of communication involved in every-day life. Students are exposed to lessons on how communication affects their lives, the process of communication, listening skills, structuring speeches, choosing effective language, and speech delivery. This course will explore six basic units of communication: Intrapersonal, Interpersonal, Improvisation, Nonverbal, Oral Interpretation of Literature, and Argumentation. All students will be required to present each of the Essential Speeches associated with these units in order to earn credit for the course.

### AP LITERATURE AND COMPOSITION

Full Year Course                      Grade 11-12    1 credit

AP Literature is a stimulating challenge to college-level literature, writing, and interpretation. The goal of the course is to develop awareness of all genres of literature. The curriculum is College Board approved. Upon completion of the course and the examination, if a student passes the AP exam he or she may receive college credit based on his or her chosen college's requirements. Entry into AP Literature is through teacher recommendations and personal initiative. A fee is required for the course to cover the College Board AP Examination given in May.



## SECONDARY COMPOSITION

Full Year Course Grade 11-12 1 credit

Through a comprehensive treatment of grammar, composition, and allied skills, this course is for students who can show proficiency in basic skills of composition. Concentration will be placed on writing experiences necessary in college. Students will develop a thorough understanding of how the English language works and how to use knowledge of the language to improve their writing.

## ADVANCED PLACEMENT COMPOSITION

Full Year Course Grade 10-11 1 credit

AP Composition is intended to represent freshman English courses commonly offered at the college level. Students receive training in reading and writing, specifically different types of compositions. The curriculum is College Board approved. Upon completion of the course and the examination, if a student passes the AP exam he or she may receive college credit based on his or her chosen college's requirements. Entry into AP Composition is through teacher recommendations and personal initiative. A fee is required for the course to cover the College Board AP Examination given in May.

## NSCC - ENG 111 COMPOSITION I - (NSCC CC+)

Semester Course (Fall 1st Sem.) 1 credit hour ENG 111 – Northwest State CC

Prerequisite: ENG 090, ENG 095, or, Qualify score on Accuplacer test

An expository composition course emphasizing the expectations of college-level writing, including thesis development, support, and coherence. Students will gain experience using a variety of rhetorical modes. In addition to a number of full-length essays, a short documented paper, based on research materials and using parenthetical references, is required.

## NSCC - ENG 112 COMPOSITION II - (NSCC CC+)

Semester Course (Spring 2nd Sem.) 1 credit hour ENG 112 – Northwest State CC

Prerequisite: ENG 111 with a grade of “C” or better

Building on the skills learned in Composition I, this course further develops the student’s writing and research experience, with an emphasis on analytical writing in response to critical reading and class discussion. Using MLA parenthetical documentation techniques, the student will write several short essays and a research paper.

## BRITISH LITERATURE

Semester Course Grades 11-12 1/2 credit

An elective course presenting the time-honored works of British authors. This survey literature class is a must for students interested in reading and the discussion of great works of writing. The class begins with Beowulf and travels through all the periods of British Literature. Students who have completed College Composition and/or all AP courses should enroll in this course as an option for their senior year. Senior students would take this course first semester and take Technical Writing during the second semester. The course is also open to all sophomores and juniors.

## TECHNICAL WRITING

Semester Course Grades 11-12 1/2 credit

An elective course primarily focusing on developing skills in informative, expository, and technical writing. The curriculum is designed to provide students with writing skills necessary to further their education with a focus on college major and career-specific writing in a variety of occupational fields including, but not limited to: computer hardware and software, engineering, mechanics, finance, medical, and consumer electronics. Coursework will focus on developing proficiency in a variety of writing applications including, but not limited to: professional business communication, tangible technical writing, and abstract technical writing. Students will also be required to update his/her resume and cover letter. Students who have completed College Composition and/or all AP courses should enroll in this course as an option for their senior year. Senior students would take this course second semester and take British Literature during the first semester. The course is also open to all sophomores and juniors.





### **FRENCH 2**

Full Year Course Prerequisite: FRC1 Grades 10-12 1 credit

In French 2, the students have extensive vocabulary and grammar practice through oral classroom drill and written exercises. Emphasis is on reading, writing, and conversational practice. French culture, geography, and history are incorporated into each unit. This course is open to students who have completed French 1.

### **FRENCH 3**

Full Year Course Prerequisite: FRC2 Grades 11-12 1 credit

In French 3, the emphasis is on vocabulary, conversation, history, and culture. This course is open only to juniors or seniors who have completed French 2.

### **HONORS FRENCH 3**

Full Year Course Prerequisite: FRC2 Grades 11-12 1 credit

Honors level presentation of material covered in French 3 course. Students may take this course in lieu of but not in addition to French 3..

### **FRENCH 4**

Full Year Course Prerequisite: FRC3 Grade 12 1 credit

This course is offered only to those students who have successfully completed French 3. Emphasis is on historical and cultural aspects of France from the early years to the present. Literacy works, as well as comprehensive grammar reviews are also included.

### **HONORS FRENCH 4**

Full Year Course Prerequisite: FRC3 Grades 12 1 credit

Honors level presentation of material covered in French 4 course. Students may take this course in lieu of but not in addition to French 4..

### **SPANISH & HISPANIC CULTURE**

Semester Course Grades 9-12 1/2 credit

Students will be exposed to Spanish & Hispanic culture and civilization. Topics of the course include geography, customs, traditions, and foods. The people and their modern way of life will be explored as students will learn about historical sites, travel, and the human experience. The readings, films, and other educational materials are in English. The course is available to all students regardless of previous Spanish courses taken.

### **SPANISH 1**

Full Year Course Grades 9-12 1 credit

The course consists of basic grammar, oral practice, and elementary reading selections. Vocabulary is emphasized. Focus is on basic grammar and oral work. Tapes may be used to accompany all lessons for listening and speaking practice. Cultural units are contained within the text.

### **SPANISH 2**

Full Year Course Prerequisite: SPN1 Grades 10-12 1 credit

Prerequisite: Successful completion of Spanish 1

This course is a continuation of Spanish 1. Grammar continues with more emphasis on speaking, reading, and writing. Cultural units are contained within the text.

### **SPANISH 3**

Full Year Course Prerequisite: SPN2 Grades 11-12 1 credit

Prerequisite: Successful completion of Spanish 2

The course will contain more grammar but will concentrate on conversation and composition, reading, and culture.





### **HONORS SPANISH 3**

Full Year Course Prerequisite: SPN2 Grades 11-12 1 credit

Prerequisite: Successful completion of Spanish 2

Honors level presentation of material covered in Spanish 3 course. Students may take this course in lieu of but not in addition to Spanish 3.

### **SPANISH 4**

Full Year Course Prerequisite: SPN3 Grade 12 1 credit

Prerequisite: Successful completion of Spanish 3

The fourth year of study will consist of a brief review of grammar but will concentrate on refining the listening, speaking, reading, and writing skills acquired by the student in the first three years of language study. The course will emphasize history and culture. The literature of Spanish speaking countries will be included.

### **HONORS SPANISH 4**

Full Year Course Prerequisite: SPN3 Grades 12 1 credit

Prerequisite: Successful completion of Spanish 3

Honors level presentation of material covered in Spanish 3 course. Students may take this course in lieu of but not in addition to Spanish 4.

## **GENERAL ELECTIVES**

### **YEARBOOK - (STEM/SAIL)**

Full Year Course Grades 10-12 1 credit

A workshop course in yearbook production is open to grades 10-12 upon recommendation of teachers and consent of the yearbook advisor. Course includes preparation of yearbook for publication, selling of advertising, and promotion of sales.

### **INTRO. To TEACHING- (STEM/SAIL)**

Semester Course Grades 10-12 1/2 credit

This introductory course explores the purposes, organizations, and outcomes of schooling from the perspectives of the field of social foundations of education. Candidates undertake critical inquiry into teaching as a profession. Licensure requirements, teachers' legal responsibilities, and the accountability of public schools are also explored.

### **NSCC - EDU 100 INTRO. To TEACHING - (STEM/SAIL) & (NSCC CC+)**

Semester Course (Fall 1st Sem. or Spring 2nd Sem.) 1 credit hour EDU 100 – Northwest State CC

Prerequisite: Qualify score on Accuplacer test

This introductory course explores the purposes, organizations, and outcomes of schooling from the perspectives of the field of social foundations of education. Candidates undertake critical inquiry into teaching as a profession. Licensure requirements, teachers' legal responsibilities, and the accountability of public schools are also explored.

### **NSCC - MET 100 INTRO. To ENGINEERING TECHNOLOGY - (STEM) & (NSCC CC+)**

Semester Course (Fall 1st Sem.) 1 credit hour MET 100 – Northwest State CC

Prerequisite: Qualify score on Accuplacer test; and MTH 050

This course introduces the field of engineering to the student who is interested in engineering technologies. It explores multiple disciplines and careers available. Additionally, the student will solidify knowledge of basic mathematics, measurements systems, and computer skills necessary to succeed in an engineering environment. Students will build rockets, build and test planes, egg drop impact tests, computer process lab and other STEM activities.

### **NSCC - MET 107 ENGINEERING GRAPHICS & SKETCHING- (STEM) & (NSCC CC+)**

Semester Course (Spring 2nd Sem.) 1 credit hour MET 107 – Northwest State CC

Prerequisite: Qualify score on Accuplacer test

Students will learn the different types of technical drawings engineers will come in contact with in their everyday engineering activities. Topics will include: orthographic projection, dimensioning, tolerancing, view identification,



and dimensioning practices. The class will also include various engineering and technical drawings like: part details, electronic diagrams, structural steel drawing, fabrication prints, land formation drawings, and piping schematics. Knowledge of these topics will be gained by the use of a text, hands on drawings, and reading various engineering drawings. Students will meet with engineers from a variety of disciplines. The student will hand draw and use AutoCad/Solidworks.

### **NSCC - MET 121 MANUFACTURING PROCESSES - (STEM) & (NSCC CC+)**

Semester Course (Spring 2nd Sem.)

1 credit hour MET 121- Northwest State CC

Prerequisite: Qualify score on Accuplacer test

The focus of this course is to provide the student with an introduction to the theory of the common major manufacturing processes. The major manufacturing processes (methods used to convert raw materials into finished products) are described and compared. Emphasis is placed on how each process works and its relative advantages and disadvantages. Students will have the opportunity to observe processes via field trips as such opportunities are available. The student will participate in tours of local manufacturing facilities, see a variety of manufacturing processes in the food, automotive, machining and consumer markets.

### **NSCC - EET 231 MICROPROCESSORS - (STEM) & (NSCC CC+)**

Semester Course (Fall 1st Sem.)

1 credit hour EET 231 – Northwest State CC

Prerequisite: Qualify score on Accuplacer test; and EET Digital Circuits and/or participation in STEM Program Automatic Feed Co.

In this course the student will gain a fundamental understanding of the microprocessor and microcontroller. Microprocessor architecture and hardware including bus structures, memory, and input/output (I/O) will be studied. Operation of the microprocessor/controller (Arduino) will be programmed by the student using hardware specific Assembly language. Real-world applications using the microprocessor and microcontroller will also be discussed. The student will program an Arduino controller in class. These topics will be learned through text, presentations, various exercises, and hands-on labs. Arduino is an open-source electronics platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, publishing something online. You can tell your board what to do by sending a set of instructions to the microcontroller on the board.

### **MANUFACTURING TECHNOLOGIES 1 – (STEM) & (NSCC CC+)**

#### **NSCC - IND105 INDUSTRIAL SAFETY**

Semester Course (Fall 1st Sem.)

1 credit

IND Northwest State CC

The course focuses on hazard recognition based upon OSHA recommended standards. Students will learn to identify potential hazards in the workplace. In addition, students will develop a greater awareness of hazards in their environment. The course will include two of the four Manufacturing Skill Standards Council (MSSC) modules with hands-on lab exercises.

- Module 1: Benchwork (Qtr.1/Sem.1-M-R)
- Module 2: Machine Repair (Qtr.2/Sem.1-M-R)

### **MANUFACTURING TECHNOLOGIES 2 – (STEM) & (NSCC CC+)**

#### **NSCC - IND132 BENCH WORK**

Semester Course (Spring 2nd Sem.)

1 credit

IND Northwest State CC

The machine shop course focuses on the basics of hand tools. Students are required to select appropriate tools and identify machining processes with emphasis on safety, tooling, precision, and accuracy. Topics include materials, mechanical fasteners, measurement, tolerance, fit, layout, hand tools, power tools, drilling, grinding, sharpening, hardening, deburring, filing, polishing, layout work on the bench, use of hand taps, and cutting threads with a die. The course will include two of the four Manufacturing Skill Standards Council (MSSC) modules with hands-on lab exercises.

- Module 3: Industrial Electricity (Qtr.3/Sem.2-M-R)
- Module 4: Industrial Safety (Qtr.4/Sem.2-M-R)



# MATHEMATICS

(All Math courses are STEM.)

## APPLIED ALGEBRA

Full Year Course Grades 9-12 1 credit  
Prerequisite: Instructor's recommendation

The course is designed for those students who are not ready to start a full year long Algebra 1A & 1B semester courses. Students will complete the content of Algebra 1A over the course of the first and second semester (entire year). Students who complete this course will be required to take Algebra 1C the following academic year focusing on content associated with Algebra 1B, which was not covered during the course.

## ALGEBRA 1A & 1B

2 Semester Courses REQUIRED COURSES Grades 9-12 1/2 credit each

Study of algebraic concepts and processes to represent and solve problems that involve variable quantities. Includes using and relating graphical and symbolic representations and techniques.

## ALGEBRA 1C

Full Year Course Grades 9-12 1 credit  
Prerequisite: Applied Algebra

Students will complete the content of Algebra 1B over the course of the first and second semester (entire year).

## GEOMETRY A & B

2 Semester Courses REQUIRED COURSES Grades 9-12 1/2 credit each

Study of two and three-dimensional geometry including representing problem situations using geometric models, deductive reasoning, and geometry from an algebraic perspective.

## HONORS GEOMETRY A & B

2 Semester Courses Grade 9-12 1/2 credit each

Prerequisite: Algebra 1, qualifying score on end of course exam over Algebra 1, and instructor's approval.

Honors-level presentation of material covered in Geometry A & B course listed above. Students may take these courses in lieu of but not in addition to regular Geometry A & B.

## ALGEBRA 2A & 2B

2 Semester Courses REQUIRED COURSES Grades 10-12 1/2 credit each

Advanced study of algebraic concepts and processes involving single and multi-variable situations over various subsets of the complex numbers. Topics include logarithmic & trigonometric functions, conic sections, sequences & series, matrices & vectors.

## MATHEMATICAL MODELING & REASONING

Full Year Course Grades 11-12 1 credit

Prerequisite: Instructor's approval

The Mathematical Modeling and Reasoning course is an advanced quantitative reasoning course. Quantitative Reasoning (QR) is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions and communication. The course is designed to promote reasoning, problem-solving and modeling through thematic units and group work is frequent and essential.

## HONORS ALGEBRA 2A & 2B



2 Semester Courses REQUIRED COURSES Grade 10 -12 1/2 credit each  
Prerequisite: Successful completion of Honors Geometry-B and instructor’s approval.  
Honors-level presentation of material covered in Algebra 2A & 2B course listed on the previous page.  
Students may take these courses in lieu of but not in addition to regular Algebra 2A & 2B.

### PRE-CALCULUS

Full Year Course Elective Course Grades 11-12 1 credit  
Prerequisite: Successful completion of Algebra 2B.  
Topics for this course include functions, trigonometry, sequences, series, and limits. Instruction includes the use of graphing calculators. A graphing calculator is required.

### NSCC - MTH109 COLLEGE ALGEBRA - (NSCC CC+)

Semester Course (Fall 1<sup>st</sup> Sem.) Elective Course 1 credit MTH 109 – Northwest State CC  
GPA = 4.5 Scale  
Prerequisite: Qualify score on Accuplacer test.  
Students successfully completing this class will be able to solve quadratic equations by factoring, completing the square, and using the quadratic formula. They will also be familiar with complex numbers and solving rational equations. College Algebra topics include: polynomial, rational, exponential, and logarithmic functions and graphs. Equations and inequalities are covered including solutions of systems of equations. Application problems build skills in problem solving. Students may take this course in lieu of but not in addition to regular Pre-Calculus. Students in this course are required to participate in the CCP program.

### NSCC - MTH112 TRIGONOMETRY - (NSCC CC+)

Semester Course (Spring 2<sup>nd</sup> Sem.) Elective Course 1 credit MTH 112 – Northwest State CC  
GPA = 4.5 Scale  
Prerequisite: Qualify score on Accuplacer test.  
This course is designed to follow MTH109 and replaces MTH110. Topics include both right angle and circle definitions, solving all types of triangles, trigonometric identities and equations, selected vectors and complex number problems, and the polar coordinate system. Students may take this course in lieu of but not in addition to regular Pre-Calculus. Students in this course are required to participate in the College Credit Plus program

### NSCC - STA120 INTRODUCTION TO STATISTICS - (NSCC CC+)

Semester Course (Spring 2<sup>nd</sup> Sem.) Elective Course 1 credit STA 120 – Northwest State CC  
GPA = 4.5 Scale  
Prerequisite: Qualify score on Accuplacer test.  
This introductory course introduces the student to the collection, analysis and presentation of data. Presentation of data includes appropriate graphic, tabular, and numeric summaries of data. Major topics include Correlation and Regression, Hypothesis Testing, Analysis of Variance (ANOVA) and CHI Square analysis. Use the standard normal distribution to determine probabilities from z-values. Understand the Central Limit Theorem, and apply the addition and multiplication rules of probability.

### HONORS CALCULUS

Semester Course (Fall 1<sup>st</sup> Sem.) Elective Course Grade 12 1 credit  
Prerequisite: Successful completion of Pre-Calculus, and/or MTH109 & MTH112, or instructor’s approval.  
Topics for this course include functions, limits, derivatives integration, plane analytic geometry, and polar coordinates. A graphing calculator is required. The course follows the course syllabus for the AP form of the Advanced Placement Calculus Exam and prepares students to take the exam in May. Students choosing the option to take the exam will be required to pay a fee for the test. Students in this course are required to participate in the College Credit Plus program.

### NSCC - MTH 213 CALCULUS I - (NSCC CC+)

Semester Course (Fall 1<sup>st</sup> Sem.) Elective Course 1 credit MTH 213 – Northwest State CC  
GPA = 4.5 Scale  
Prerequisite: Qualify score on Accuplacer test.  
The course is designed for those students who have mastered algebra and trigonometry and who are



planning to pursue a four-year degree program. Topics include a review of functions, limits, derivatives of algebraic and transcendental functions, applications of derivative, and an introduction to integrals. The course is designed to follow MTH112. Students in this course are required to participate in the College Credit Plus program.

### **MATHEMATICS APPLICATIONS**

Semester Course                      Elective Course                      Grades 11-12                      1/2 credit

Prerequisite: Full credit of Algebra/Geometry 3, Algebra 2B, or concurrently with Algebra 2B with instructor's approval.

The course applies arithmetic and computational skills to real-world settings such as business situations, investment opportunities, and insurance options. Applications of algebraic and geometric skills will be taught through a project-oriented course.

### **PROBABILITY/STATISTICS**

Semester Course                      Elective Course                      Grades 11-12                      1/2 credit

Prerequisite: Full credit of Algebra/Geometry 3, Algebra 2B, or concurrently with Algebra 2B with instructor's approval.

Probability topics include games of chance, conditional probability, and combinations permutations. Statistical topics include collecting and organizing data, graphs and charts, central tendency, sampling, and computer solutions. This course provides excellent preparation for post high school degrees in business, psychology, engineering, mathematics, medicine, and the sciences.

## **MUSIC**

**(All Music courses are SAIL.)**

### **BAND**

Full Year Course    Grades 9-12    1 credit

Band includes both Marching and Symphonic portions. Grades are based on attendance, attitude, participation, and skill development.

#### **Marching Band**

The Napoleon High School Marching Band is organized during the summer months and continues for the duration of the football sea- son. The Marching Band is the most visible musical ensemble in the school. In addition to performing at each half time of Wildcat foot- ball games (home and away), the band also performs at band festivals, community parades, pep rallies and other community functions. The Marching Band rehearses each school day during the scheduled band period and also has one rehearsal outside of the school day. This rehearsal takes place on Thursday evenings for approximately two and one half hours. While Saturday performances are not the norm, there will be two Saturday festivals built into the Marching Band's schedule of performances.

#### **Symphonic Band**

This course is a completely instrumental, well-balanced, concert- performing ensemble. Performance of standard concert band repertoire along with innovative new music and advanced performance techniques are emphasized. Symphonic Band performs several con- certs and competes in OMEA-sponsored Adjudicated Festivals, and provides additional musical experiences for Symphonic Band members, guest soloists, conductor, clinicians, and composers who are invited to perform with the ensemble on a regular basis. This course is offered to all grades on the basis of music capability (as determined by a performing audition during the month of October), attitude/effort evaluation, years of experience in the program, and balance of instrumentation. This class meets after the completion of the marching season.

### **HONORS BAND**

Full Year Course    Grades 10-12    1 credit

GPA = 4.5 Scale

Prerequisite: Successful completion of 1 credit of HS Band

Students will need to participate in Band activities: Marching and Symphonic portions with the addition of the following items: Participate and perform with Jazz Band (9th hour AM course); Participate in all Pep Band



activities; Participate in Solo and Ensemble Contest (a solo or two ensembles); Audition for OMEA Honors Band and/or others (OMEA will be the minimum and acceptance is not required); Provide weekly evidence of musical and technical practice of materials offered by the instructor and/or private tutor. Students may also participate in Jazz Lab. Grades are based on attendance, attitude, participation, and skill development.

### **JAZZ BAND**

Full Year Course                                  Grades 9-12                                  1/2 credit

Jazz Band rehearses on Tuesday and Thursday mornings from 7:00 AM to 8:00 AM in the High School Band room. Students will practice and perform music in a variety of different styles that make up the Jazz idiom. In addition to Swing, students will also be introduced to Blues, Shuffle, Latin Jazz and Rock and Ballads. Jazz Band is offered to students enrolled in the High School Band. Successful Jazz Band students will be graded based on their concert and rehearsal attendance and participation. Skill development in each of the jazz style will also be factored into grades.

### **JAZZ LAB**

Semester Course                                  Grades 9-12                                  1/2 credit

The Jazz Lab is an opportunity for the student to explore jazz styles and improvisation. Students will need to know how to play their instruments and be able to read musical notation in the range of their instruments. Students will be provided with the opportunity to write music/licks for public performance. Students will play alone (in front of the class/performance setting) and with other students (in a jazz ensemble class and performance setting). Finally, students involved with the Jazz Lab will be expected to play with the Jazz Band. It rehearses at 7:00am two days of the week for the duration of the Jazz Band's existence (typically five months, November through March).

### **HONORS JAZZ LAB**

Semester Course                                  Grades 10-12                                  1/2 credit

GPA = 4.5 Scale

Prerequisite: Successful completion of 1 credit of HS Band or ½ credit of Jazz Band or Jazz Lab

The Honors Jazz Lab requirements will include all the expectations of Jazz Lab. Students enrolled in the Honors portion of the course will be required to demonstrate their knowledge of all 12 major, dorian minor and dominant scales (6 fundamental scales per semester). Students will be required to know the function of the scales/chords within the form of a given tune - minor, subdominant, and dominant and their uses. Students will be required to identify those chords within a given tune. Students will be asked to aurally identify “standard” charts within the Jazz genre. These charts/recordings will be assigned by the instructor. Students will frequently perform individually in front of the class. Practice will be necessary and documentation will be required.

### **PEP BAND**

Seasonal Course                                  Grades 9-12                                  1/4 credit

Pep Band is after the fall marching band season to help support the boys' and girls' basketball teams. This band plays music that falls specifically into the popular/pep idiom. Much of the music comes from the fall football season. Rehearsals take place one hour before basketball games begin.

### **MUSIC THEORY**

Semester Course                                  Grades 9-12                                  1/2 credit

All facets of basic musicianship are explored during this semester course including: basic terms, staff notes and pitches, note and rest values, major and minor scales, intervals, chords and inversions, harmonization, and ear training. This course is recommended for anyone planning to major in music or interested in exploring the construction of music.

### **CHOIR**

Though a student may enroll in more than one choir each school year, a student shall earn only one credit for choir scheduled during the regular school day. For example, a student enrolled in Concert Choir, Tenor/Bass Ensemble and Jazz Choir, would earn 1.5 credits (one credit total for “Concert Choir”, or “Soprano / Alto”, and .5 credit for “Jazz Choir”).





### **FOUNDATIONS of PERSONAL FITNESS & WELLNESS**

Semester Course Elective Grades 10-12 1/2 credit

This elective course is designed to offer a “hands-on” approach to physical fitness, diet/nutrition, and total wellness. Students will participate in a variety of physical activities while monitoring their overall level of fitness on a weekly basis. Highlights include, but are not limited to, body composition & analysis, strength training, cardiovascular training, nutritional analysis, research based projects, motivation, injury prevention and care, as well as exploring current trends in fitness, wellness, & nutrition. The course will include a classroom component, as well as a fitness or “lab” component.

### **PRINCIPLES of COACHING**

Semester Course Elective Grades 10-12 1/2 credit

Whether you have a desire to coach at the highest level, or simply envision yourself coaching a little league team in the future, *“Principles of Coaching”* will provide you with a foundation to get started. Since behaviors and habits are formed at a young age, it is important that individuals who interact with our youth are armed with the tools necessary to succeed. The scope of this course includes, but is not limited to, the development of a coaching philosophy, trends in coaching, defining “effective” coaching, technology in coaching, community/parent/media relations, opportunities in coaching, motivation of student-athletes, proper conditioning practices, coaching for character, ethics/integrity/sportsmanship, & effective practice planning. The course will include a classroom component, as well as a “lab” component.

### **PRINCIPLES of SPORTS OFFICIATING**

Semester Course Elective Grades 10-12 1/2 credit

The course will expose students to the world of a sports official. Various sports such as basketball, volleyball, baseball, softball, soccer, and football will be examined. The course will test not only your knowledge and physical skills but also how you respond and handle people in a great teaching environment that at times becomes volatile and/or contested. You will learn about the career opportunities in becoming a sports official, as well as how to prepare for the state test to become a registered official.

## **SCIENCE**

**A lab fee is required for ALL science classes. (All Science courses are STEM.)**

### **PHYSICAL SCIENCE**

Full Year Course REQUIRED COURSE Grade 9 1 credit

Physical Science is designed as an intermediate study of the relationships between matter and energy. The applications of physical laws and chemical processes are introduced. This course is to develop an awareness of the interdependence of science and technology and the relationship between the process and product of science. Included is the study of matter, energy, forces, machines, heat, electricity, and light.

### **BIOLOGY**

Full Year Course W/ Lab REQUIRED COURSE Grades 10-12 1 credit

In this course, students will explore the characteristics and process of life. Basic principles of cell biology, genetics, evolution, ecology, and the kingdoms of life will be investigated.

### **HONORS BIOLOGY**

Full Year Course W/ Lab REQUIRED COURSE Grades 10-12 1 credit

Honors Biology is a first-year biology course that is tailored to the academically talented and motivated student. Students will experience increased depth, breadth, and pacing of biology material. Students are expected to understand the biological process more completely as they learn the intricacies of the content. Students will benefit from a more comprehensive lab experience that will provide an excellent basis for future experimental scientists.

### **EARTH SCIENCE**





Full Year Elective Course Grade 11-12 1 credit  
Prerequisites: 2 Semesters Physical Science and 2 Semesters Biology

Earth Science is a comprehensive study of Earth/Sun relationships and presents students with a better understanding of the internal and external forces that drive our planet. In addition, students will explore all the related branches of Earth Science, including geology, oceanography, meteorology, astronomy, and ecology. Experimental labs will be implemented to further the students' understanding of the course whenever possible. Students may be required to go out of doors for “hands on” examination of geological structures.

## **ECOLOGY**

Full Year Elective Course Grade 11-12 1 credit 216 ECOL  
Prerequisites: 2 Semesters of Biology

The term “conservation” implies the wise use of our natural resources in order to prevent their depletion in future generations. This ecology course attempts to make the student more aware of their environment and of the role mankind plays as stewards of the natural world. Environmental issues such as overpopulation, air and water pollution, and endangered species are explored and possible solutions are discussed. Major objectives of the course are to understand the science of ecology and develop a respect for nature preservation. Outdoor activities are an important aspect of this course and prospective students should possess an interest in nature and a concern for the environment.

## **CHEMISTRY**

Full Year Elective Course W/ Lab Grades 11-12 1 credit  
Prerequisites: Biology and Algebra I

The course is designed to give the student an overall exposure to the fundamentals of chemistry and its applications to the world around you. Topics will include fundamental measurement of matter, basic atomic structure, element properties, compound formation and properties, mixture and solution properties, and the fundamentals of common chemical reactions. Students will be involved in a wide variety of laboratory experience activities and projects. We will cover the essential topics to give you a firm foundation for classes you may take later and for the chemistry you experience in everyday life. The course will give you a deeper understanding of the scientific processes that go on around you and the interconnections among the sciences, technology, society, and the environment.

## **HONORS CHEMISTRY**

Full Year Elective Course W/ Lab Grades 11-12 1 credit  
Prerequisites: Honors Biology and Algebra I

The course is designed to provide the aspiring science student with an opportunity to learn chemistry at a higher level for those wishing to take AP chemistry, Collegiate Chemistry, or Physics and continue their science education into college. The course offers opportunities for enrichment through the use of math concepts, technology, and detailed laboratory work. Topics include symbols and metric systems, matter, formulas, chemical equations, atomic structure, stoichiometry, nuclear chemistry, gasses, solutions, bonding, acid-base theory, oxidation-reduction, pH, equilibrium, and organic chemistry. Weekly laboratory experiments and activities complement theory while emphasizing safety and science writing skills. The goal of this course is on understanding chemistry concepts with less memorizing of material.

## **NSCC - CHM 201 GENERAL CHEMISTRY I - (NSCC CC+)**

Semester Course (Fall 1<sup>st</sup> Sem.) Elective Course 1 credit CHM 201 – Northwest State CC  
GPA = 4.5 Scale

Prerequisite: Qualify score on Accuplacer test

This is the first part of a two-semester program for technically oriented students needing a solid foundation in general chemistry. Topics covered include an in-depth treatment of measurement, atomic and molecular structures, ionic behavior in solutions, and inorganic chemical nomenclature. Also, the types of chemical reactions are reviewed, along with stoichiometric principles, the behavior of gasses and thermochemistry. Additional topics covered include electronic structure, periodic law, chemical bonding and molecular geometry. Lab work reinforces basic principles,



supplements lectures and emphasizes analytical techniques. A summer assignment includes a review of first-year chemistry topics. Students are required to have a scientific calculator.

### **NSCC - CHM 202 GENERAL CHEMISTRY II - (NSCC CC+)**

Semester Course (Spring 2<sup>nd</sup> Sem.) Elective Course 1 credit CHM 202 – Northwest State CC  
GPA = 4.5 Scale

Prerequisite: Qualify score on Accuplacer test.

A continuation of CHM201, this is the second part of a two-semester general chemistry program. Topics covered include a detailed treatment of states of matter, intermolecular forces, and the properties of solutions. Chemical kinetics, chemical equilibrium and chemical thermodynamics are covered as well. Students are also introduced to electrochemistry, nuclear chemistry, and the chemistry of selected elements and materials including polymers and organic substances. Lab work reinforces basic principles, supplements lectures, and emphasizes analytical techniques.

### **ANATOMY and PHYSIOLOGY**

Full Year Elective Course Grades 11-12 1 credit

This course is designed for students with a good background in science. The course covers human anatomy and physiology. Selected topics in current biological and medical science are covered.

### **PHYSICS**

Full Year Elective Course Prerequisite:  $\geq B$  in  $\geq Alg2$  Grade 12 1 credit

This is a college preparatory course dealing with the fundamentals of mechanics, atomic and nuclear structure, optics, theories of heat and molecular motion, forces, vectors, work, power, energy, machines, wave motion, spectra, the atom, and the nucleus. Other topics are light, other forms of radiation, temperature, change of state, and specific heats. Also covered are gas laws, thermodynamics, solid, state, D-C, A-C, static electricity, electromagnetic induction, and electronic equipment. Many useful problems are solved. Applications to everyday life and other sciences, such as astronomy are investigated.

### **VOCATIONAL AGRICULTURE HYDRAULICS and PNEUMATICS**

Full Year Elective Course Grades 10-12 1 credit

Students will learn physical principles of hydraulics in the course. They will diagnose problems, test system components, learn how to properly maintain hydraulic circuits and diagnose and test problem areas in hydraulics systems of agricultural and industrial power equipment. Students will learn about the systems involved in small engines. Compression, pistons, valves, fuel delivery, carburetion, intake, and exhaust will be examined.

### **VOCATIONAL AGRICULTURE ENERGY SYSTEMS MANAGEMENT**

Full Year Elective Course Grades 10-12 1 credit

Students will apply basic principles of energy accounting, thermodynamics and heat transfer, energy conversion and efficiency to heating, power generation and transportation. Students will apply the principles and practices needed for managing both renewable and non-renewable energy sources including, solar thermal, hydrogen generation, photovoltaic, hydroelectric, biomass use, geothermal heat transfer, and fossil fuel. Future energy systems and energy use scenarios are investigated, with a focus on promoting the use of renewable energy resources and technologies.

## **SOCIAL STUDIES**

(All Social Studies courses are SAIL.)

### **WORLD HISTORY**

REQUIRED COURSE Full Year Course Grade 9 1 credit

Students will study world historic eras while considering the influence of geographic settings, cultural perspectives,



economic systems, and various forms of government during the given time period, 1750-present.

### **AMERICAN HISTORY**

REQUIRED COURSE Full Year Course Grade 10 1 credit

Sophomore students continue the chronological study of the history of the United States from the Civil War and Reconstruction to present-day America. As students study historic eras in America, they will critically examine all aspects including geographic, cultural, economic, and political & governmental structures. Students will develop a deeper understanding of their role as citizens and continue to expand their command of social studies and methods.

### **ADVANCED PLACEMENT AMERICAN HISTORY**

Full Year Course Grade 10 1 Credit

This course is a survey study equivalent to the demands of an introductory college course in United States history. Emphasis is on the colonial period to the present through an in-depth consideration using a chronological and/or topical approach and political, social, economic, and cultural treatment of the period. Entry into Advanced Placement in American History is through teacher recommendation. A fee is required for the course to cover the College Board AP Examination that is given in the spring.

### **ADVANCED PLACEMENT EUROPEAN HISTORY**

Full Year Course Grade 11-12 1 credit

This course emphasizes an understanding equivalent to those gained in a college level introductory course. It also focuses on a general narrative of European history from 1450. The course includes an examination of the political and diplomatic, intellectual and social, and economic history of Europe. Entry into Advanced Placement European History is through teacher recommendation. A fee is required for the course to cover the College Board AP Examination that is given in the spring.

### **AMERICAN PRESIDENCY**

Semester Course Elective Course Grade 11-12 1/2 credit

The course will examine the origin and evolution of the American Presidency. Topics will include: the process of presidential selection and nomination, the ways in which the presidents make decisions, and how presidents work to shape foreign, economic, and domestic policy. In addition, there will be a focus on individual presidents and how their private lives intersect with their public lives. Finally, we will work to answer the following questions during the semester: What do we expect of our president?, What makes good presidents?, and How do we define successful presidents?

### **AMERICAN GOVERNMENT & ECONOMICS**

REQUIRED COURSE Full Year Course Grade 12 1 credit

The course places an emphasis on the study of national, state, and local governments in the United States by investigating current operational practices, issues, and problems. Course material analyzes the legislative and law-making powers of federal, state, and local branches/authorities. Executive and judiciary powers are explored in conjunction with other powers of federal, state, and local agencies/institutions. The course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. The course examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. The focus will be on the United States economy and the student personal finances.

### **PSYCHOLOGY**

Semester Course Elective Course Grades 11-12 1/2 credit

The course examines the social science of human behavior and mental processes on an individual (Psychology) basis as well as in a group setting (Sociology). Focus will be placed on critical reflection and analysis of oneself through papers and journals. This is an upper-level class designed to prepare students for introductory psychology and sociology classes at the college level.



### **CONTEMPORARY ISSUES in SOCIETY**

Semester Course      Elective Course      Grades 11-12      ½ credit

The course focuses on collecting, organizing, evaluating and synthesizing information from multiple sources to draw logical conclusions about modern events, people, and issues on how they affect our lives today. Emphasis will be placed on working in a research team setting and incorporating technology to complete presentations over various topics. A subscription fee may apply.

### **MILITARY HISTORY**

Semester Course      Elective Course      Grades 11-12      1/2 credit

The course will examine various theories on warfare, examine the development of weapons & warfare, trace origins & evolutions of the United States military branches, and analyze the chronological history of American involvement in wars from the French & Indian War to the current war in Afghanistan.

## **WORK STUDY**

### **CAREER CONNECTIONS/ Career Based Intervention**

(1 credit for Related and 1 credit for Lab)

Full Year Course      Grades 9-10

This program is a one or two-year vocational program. It is designed for freshmen and sophomores at least 14 years of age or older. It is a program, which promotes a strong learning environment with an emphasis on a sense of community; recognizing the uniqueness of the learner; and promoting and expecting responsibility and accountability. The program engages the learner in a comprehensive program of academics, career and citizenship development, and work-based learning opportunities. Students will be placed or hired into employment as part of the learning experience and lab requirement assistance in academic areas where a student may struggle is provided. The ultimate goal of CBIP/CC is to help students become educated, productive, participating members of our society, and responsible citizens within our community.

### **INTERNSHIP/WORKFORCE DEVELOPMENT**

Semester Course      Grades 11-12      1/2 Credit

This course is designed for students to gain work or volunteer experience in an environment of the students interest. There is coursework including a resume, recommendation and other career focused assignments. The internship work hours will be cooperatively scheduled between the employer and student. Students will seek work/internship experiences independently. Students may be in a paid or volunteer position. The school advisor of the internship must be notified if there is a change in employment or placement. Students under the age of 18 will need a work permit if the student is in a paid position. The school has no liability for accidents or injuries suffered during internship time or traveling to or from the internship. In order to participate in this course, a student must be enrolled in 5 credits at NJSHS. Students must fill out the internship paperwork, signed by parent, student and employer. Students must submit an employer evaluation at the end of each quarter.

### **WORK RELEASE**

Full Year Course      Grades 12      1 Credit

Work-based learning experiences are conducted at a work site during or after school. They are designed to provide authentic learning experiences for students that link academic, technical and professional skills. Business and education partners work together to evaluate and supervise the experiences, which must be documented with training or learning plans and evaluation forms. In order to do work release, a student must be enrolled in 5 credits at NJSHS. Students must fill out the work release paperwork, signed by parent, student and employer. Students must submit an employer evaluation at the end of each quarter.



