

NORTH BRANCH HIGH SCHOOL COURSE CATALOG

2023-2024



PATHWAYS TO YOUR FUTURE

Dear Parents/Guardians and Students,

The North Branch High School Course Catalog handbook has been compiled by the staff and administration of North Branch High School for the purpose of assisting parents and students with educational and career planning.

In this handbook, you will find the following:

- Course Descriptions
- Innovative Class Options
- Graduation Requirements
- Career Pathways
- College and Career Planning Information
- Additional Information

Please take the time to read the contents of this handbook. If you have any questions about the information in this guide, please contact your counselor (688-3564). We encourage students and parents to review the handbook together and to choose classes that will help students attain their academic and career goals.

A successful high school career rests heavily on the quality of decisions made each spring for the upcoming school year. As always, our counseling, teaching and administrative staffs are available to assist you in any way we can to ensure a successful academic year.

The Master Schedule is based upon student course selections from the previous school year. This limits the opportunity for course changes once the schedule has been set. If changes are necessary to core classes, students must submit a schedule change form to their counselor at August registration. Given that the master schedule is based upon student selections, desired course changes are often difficult to honor and need to be academically justified if they are able to be changed. If space allows, academic justification may include: enrolling in an advanced course, remediation, or medical reasons. Requests for changes based upon lunch preference, teacher, class period or friends cannot be granted.

The North Branch High School staff is committed to preparing our students to the best of our abilities for life beyond high school. We welcome all students and parents/guardians to Bronco Country and hope that the high school experience will be meaningful, challenging, and memorable! Please let us know how we may be of assistance.

Sincerely,



Mark Hiltunen, M.Ed.
Principal
North Branch High School

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Importance of Course Selection

This catalog of high school courses is offered as an aid to students and parents in making course selections for the student's schedule. The student's past record, aptitude, interest, and future plans should be considered in the final decisions involving the mutual agreement of student, parent and counselor.

During the second semester of each school year, many plans and procedures are instituted in preparation for the following school year. None is of greater importance nor has more far reaching implications than scheduling. From student course selections, the number of classes and staffing are determined, and budget allocations are made. It is very important that both parents and students, prior to making course selections, must exercise careful post-secondary and career planning. Before the course selection begins, parents and students should discuss goals after graduation. Even if a student's post-secondary goals change, the process of long term planning is an extremely important one. Once goals have been discussed, the student's education developmental plan (EDP) should align with his or her career pathway.

The counselors will provide all materials and offer advice prior to the announced deadline. Each student is asked to review this catalog thoroughly and consult with his/her parents, teachers, and counselor on special problems or concerns in arriving at final decisions. The course selection sheet must be signed by teachers and both students and parents, then returned to the counselor. Having been submitted, the selection sheet constitutes the basis for all-further planning.

Unfortunately, if too few students select a particular course, it may be canceled. Some courses may not be offered every year. Please make decisions thoughtfully and carefully. Opportunities are limited for making adjustments to the computer generated student schedule, which is issued during registration prior to the start of the school year.

Registration Information

1. Before entering high school, students should choose a career pathway and a post secondary education goal (See section —Career Planning on page 11 for more detailed information.)
2. Next, students working with their parents should design a four-year plan of study (Educational Development Plan found on page 14) to be taken during high school and beyond. This should include courses to meet graduation requirements, career pathway guidelines, and special interests and needs.
3. Before choosing courses, students should carefully read the section entitled —Course Descriptions (page 15). Questions about the courses should be addressed to the counselors or teachers.
4. All students will be required to enroll in six classes for two semesters each year.
5. Courses described in this booklet are offered based upon sufficient student demand and teacher availability as determined by administration.
6. All students may enroll in a college course at a nearby college each semester if they meet the qualifications and conditions. (Refer to —Dual Enrollment on page 10).

7. Students interested in special programs including academic exceptions, dual enrollment, online learning, personal curriculum and independent study should contact their counselor.

8. Students should select their classes carefully. They are expected to remain in their classes until completion. An open period of drop and add will occur at the beginning of each semester.

Graduation Requirements

To qualify for graduation, students must complete the following requirements and conditions that have been set forth by the North Branch Board of Education and the Administration:

ATTENDANCE— A student must complete four years or 8 semesters of full-time high school attendance and have successfully completed the total credits required. Refer to the Student Handbook for attendance policies and regulations.

FULL-TIME ENROLLMENT-- A student must be enrolled in a full schedule of classes each semester. In a semester schedule, each student takes six classes per semester, totaling 12 classes during the length of the school year. Each course, which meets daily per term, earns a .5 credit. Each student must select 6.0 credits each year.

MME—A student must successfully complete all parts of the Michigan Merit Exam and receive a VALID score.

TOTAL CREDITS REQUIRED FOR GRADUATION

9th grade	10th grade	11th Grade	12th Grade	Possible	Required
6	6	6	6	24	22.5

DEPARTMENTAL REQUIREMENTS

The primary function of required subjects is to assure essential levels of competency for all graduates. General education must be balanced with specialized learning opportunities geared to the individual's interests, talents, and occupational goals. In addition to the total credits required for graduation, the state of Michigan and the North Branch Area Schools Board of Education require credits in the following areas:

- 4.0 credits of English**
- 3.0 credits of Science:** 1.0 credit Physical Science, 1.0 credit Biology, 0.5 credit Chemistry, and 0.5 credit Science Elective (may include approved Ed-Tech or computer science courses)
- 4.0 credits of Math:** 1.0 credit of Algebra 1, 1.0 credit of Geometry, 1.0 credit of Algebra 2 and 1.0 additional math credits, .5 of which must be earned during their senior year
- 3.0 credits of Social Studies:** 1.0 credit of U.S. History, 1.0 credit of World History, 0.5 credit Economics and 0.5 credit Government
- 0.5 credit Physical Education**
- 0.5 credit Health**
- 1.0 credit Visual, Performing, and Applied Arts courses.** Courses meeting this requirement are designated in the course descriptions with (VPAA)
- 2.0 credit of the same World Language**
* **Formal coursework or an equivalent learning experience in Grades K-12 (1 credit) and completion of a Department approved formal Career and Technical Education program or an additional visual, performing, and applied arts credit (1 credit).**
- Online Learning Experience. This experience can be obtained from a number of courses, but will also be gained through the senior year English courses.

Parents, students and teachers can request a personal curriculum that would modify the graduation requirements for a student. The personal curriculum plan would identify areas to be modified to meet the unique needs and interests of that student as they progress toward earning a diploma. If you would like to know more about personal curriculum options, please contact your school counselor.

General Information

GRADUATION PARTICIPATION

Only those students who have met all of North Branch High School's graduation requirements may participate in the Commencement Exercises. Students must also fulfill all financial obligations to the school and return all school books and equipment.

TRANSFER STUDENTS

Granting or denying credit for transfer students is the option of the local school district. Students transferring to the high school will have their previous credits and course work evaluated and will be placed in the appropriate grade level.

COURSE EXPECTATIONS

For a student to receive credit for a subject, all course expectations, as required by the teacher, must be completed. Final exams will be given in all courses that provide a grade towards the student's grade point average. Students who fail to take an end of term exam without supplying a doctor's excuse will be given a failing grade for the exam.

SCHEDULING

All students will be scheduled into 1) courses needed to meet graduation requirements, 2) academic support courses, if appropriate, and 3) elective courses. When selecting courses for the next year, core courses, school specific required electives and academic support classes have priority over other elective courses (including band and Ed-Tech). As the students approach their graduation date, courses required for graduation will have the highest priority for scheduling. Students will be assigned to Advance Placement core courses based upon their history of success in prerequisite courses. Students not placed may also OPT to select AP courses by working with a counselor. All students will have an opportunity to request elective courses into which they would like to be scheduled. Every effort is made to meet these requests. The final determination of which courses will be scheduled at each school is based upon ALL students' interests. The district will set the guidelines for making this determination based upon student interest, staffing and financial feasibility. This may mean that students may not get their first choice elective class.

All students are expected to have a full schedule and are expected to complete a full-year course in sequence within the school year. Under certain extenuating educational or economic circumstances, a 12th grade student who is on track to graduate can request to reduce his/her schedule. Reduced schedules require the prior approval of the principal and head counselor and must meet reduced schedule requirements, which include meeting graduation requirements in 4 years. Approval for a reduced schedule must be in place and documented BEFORE the semester begins.

SCHEDULE CHANGES

A student's schedule should be carefully planned in terms of short- and long-range needs, interests, and abilities. Once the student's schedule has been planned, an important part of the total educational experience involves the acceptance of and taking responsibility for following this schedule. Therefore, very few changes will be made after schedules are completed. Guidance counselors will consider student-initiated requests for schedule changes only during the designated period prior to the start of each semester.

Schedules may be adjusted if any of the following conditions exist:

- Incomplete schedule
- Duplication of courses
- Incorrect course sequence (i.e., Algebra II before Algebra I)
- Lacking a required course for graduation
- Lacking a prerequisite or approval for a scheduled course
- Previously completing the course (this may have happened through summer school attendance)
- Acceptance for special programs (i.e., college class) with approval of the appropriate teacher or administrator
- Re-enrollment in a course in which the student received a failing grade or no credit

Schedules will NOT be adjusted for the following:

- **Preference for a different lunch period**
- **Preference to be with friends in classes**
- **Preference for a different period or semester**
- **Change of mind about taking the course**
- **Preference for a different teacher**

Once the window for changes has closed, students are expected to follow the schedule provided. Under RARE and extenuating circumstances, a schedule may be changed within the first two weeks of the semester (earning a lower grade than expected, the effect of a grade on the student's GPA is not considered an extenuating circumstance.) Students will be assigned a grade each semester for any course in which they are scheduled. Final grades are assigned at the end of a semester and will appear on the transcript. (Prior to the start of the sport's season, semester grades are used to determine eligibility for sports and other activities.)

HIGH SCHOOL CREDIT and GRADES:

Generally, each successfully completed semester course earns 0.5 credits; a full year course is generally equal to two semester courses for 1.0 total. Credit is earned when a successful final grade is assigned at the end of the semester. Courses that cover more content and/or are offered for two or more hours per day may earn more than 0.5 credits per semester. (EXAMPLE: dual enrollment, Ed-Tech courses).

In high school, each school year consists of two semesters, which are approximately 18 weeks long. Summer school is considered a "third semester" of the same school year. High school credit is only earned with the successful completion of a high school course and the assignment of a final passing grade. In addition, high school graduation requirement may be met by testing out of a course during the district's identified summer testing out window (refer to Testing Out section for more details)

Successful completion of a course is based upon the letter grade earned and assigned by the certified teacher. All letter grades except an E (failed), NC (no credit), or I (incomplete) earn credit. The amount of credit earned for each course is set by the district at the beginning of the school year. A full schedule of six courses per semester will allow a student to earn up to 3.0 credits per semester or a total of 6.0 credits per school year (two semesters X 3.0 credits) Every student is expected to enroll full-time; any exception to this full-time expectation must have prior approval of the principal or designee.

TRANSFER CREDIT:

A student transferring to NBHS from a recognized school district will be granted credit upon enrollment based upon the documented credit and coursework listed on the official transcript from their previous school. Credits or grades will not be accepted from a Report Card, unofficial transcript or other grade reports. Credits earned outside of NBHS will be evaluated and translated into comparable NBHS course credit for core or elective courses. Once approved, the final grade for each course as assigned by the sending school/district will appear on the NBHS transcript along with the school or district name that assigned the credit. These will be incorporated into the NBHS GPA calculation.

Any student without official documentation from a recognized accredited source, including students from another country and home schooled students, will be placed as an incoming 9th grade student. Students without documentation may test out during the summer testing out window. Home-schooled students may have their work from home-schooling reviewed by curriculum staff for placement. This is for placement purposes only, no credit is granted nor are the grades from the home-schooling part of the NBHS calculated GPA. This is solely to aid in the placement of the student above 9th grade. Acceptance of home-schooled work will be based upon assessments, projects and other original student work submitted for review; recognition of home-schooled credit is at the discretion and judgment of the NBHS content specific curriculum staff.

EARNING CREDIT:

A student either 1) passes a course and earns credit OR 2) fails a course and earns no credit OR 3) earns an incomplete (I) and earns no credit until the incomplete course is completed. Incomplete grades must be made up by

the end of the following semester (or term.) If not made up, the grade assigned at the time the 'Incomplete' was assigned will be used in the grade calculation.

A failure can be made up by repeating and passing the course during the school year (including after school) by making up specific coursework within the timeframe defined by the district, during summer school. Students may retake an equivalent Board approved online course to recover credit. (NOTE: not all courses have an online equivalent). If a student fails a core class during the school year, the school staff will work with the student to re-schedule the same core class immediately. This may include an online course option either during the school day or afterschool. If a student fails a second semester course or receives an "incomplete", he/she has until the end of the 1st semester the following school year to replace the grade. It is strongly recommended that failures be made up immediately in summer to avoid falling behind in graduation requirements.

Please note that failure (E or NC) affects a student's eligibility to compete on a high school sports team. An "I" grade (incomplete) is treated the same as an "E" or "NC" for purposes of sports participation.

REPEATING COURSES:

A student may always elect to retake any course to replace a failure or to improve a grade. When a student repeats the same course, the record and transcript will reflect both attempts. However, only the attempt with the highest grade earned will be used in calculating the student's grade point average (GPA). IMPORTANT: credit can only be earned once for the same course (with exceptions for band and designated 'repeatable' courses.)

GPA/CLASS RANK

North Branch High School uses a +/- grading system for all classes. This grading system will use the following grade point average (GPA) equivalents. A student's final grade is cumulative for the entire semester, and his/her scholastic ranking will be based on all semester grades earned. G.P.A. = total honor points divided by the number of classes attempted, excluding classes graded pass/fail (Credit / No Credit).

GRADE	HONOR POINTS	GRADE	HONOR POINTS
A	4.00	D+	1.33
A-	3.67	D	1.00
B+	3.33	D-	0.67
B	3.00	E	0.00
B-	2.67	I	0.00
C+	2.33		
C	2.00		
C-	1.67		

To determine the numerical value of a letter grade earned in an Advanced Placement class offered at North Branch High School, the numerical value of the grade (as defined above) will be multiplied by a factor of 1.1. Advanced Placement classes taken by transfer students will be multiplied by the 1.1 factor only if offered at North Branch High School.

Seniors graduating from North Branch High School will receive a final ranking at the end of the 7th semester. Those seniors earning a grade point average of 3.0 to 3.499 after the completion of the 7th semester will be recognized as graduating with honors. Seniors who have earned a grade point average of 3.5 and above, after the completion of the 7th semester, will be recognized for high honors.

TESTING OUT:

Testing out of a class can provide a student the opportunity to move into advanced classes, including dual enrollment, at a quicker pace. A student may opt to test out at the time designated by the district PRIOR to beginning the course. The student must test out of the full course (EX: all of English 9 or Government). Testing out takes place in the summer testing out window prior to the start of the course. Students will be notified each year of the testing out window. The student must score at least 78% on the district designated test(s) in order to test out and receive credit. The student may opt to not accept the testing out credit and take the course instead. This decision must be made prior to taking courses at a higher level. Testing out only applies to courses not yet taken. Students

cannot test out of a course that is a pre-requisite or lower level than a successfully completed course. The testing out score will appear on the transcript along with the credit earned and the graduation requirement met.

IMPORTANT NOTE: The testing out score does not translate into a grade and is not part of the GPA calculation. When considering testing out of a course, it is important to consider the following: 1) the effect on their GPA calculation (this may mean NOT including a potentially high grade in the GPA calculation); 2) NCAA requirements; 3) other college admission considerations and 4) the opportunity to enroll in more advanced classes or dual enrollment

ADDITIONAL OPTIONS FOR MEETING GRADUATION REQUIREMENTS

(For more detail regarding these following options, see your counselor)

ONLINE COURSES:

Online courses that have been approved by the Board of Education are accepted for credit toward graduation and may be used to meet requirements in the same subject area as the course. Online courses are comparable to traditionally taught classes in rigor and expectations. Students who elect to take any online course should be self-motivated, self-directed and able to learn effectively in a self-paced environment. There may be an assessment for students to determine their readiness to take online courses. Online courses are subject to the same rules as other courses regarding retaking the course, grading, GPA calculation and appearing on the transcript. Some online courses offered may have 100% of the course instruction provided online. These courses allow the student to complete course work outside the school day and are offered under the supervision of a certified teacher.

An NBHS certified teacher is assigned to these classes as the mentor/monitor teacher to ensure the student stays on task and completes the required course work assigned by the online course. Attendance rules vary for online courses but all online courses have some attendance requirements that must be met. Check with your counselor regarding attendance expectations.

Students are expected to progress through an online course at their own pace, which may be quicker than a traditional course. The mentor teacher, principal and/or certified district staff will monitor all online courses for inactivity. If a student does not actively participate in the online course, the student may be dropped from the course without earning credit. A student who is actively engaged in the online course and time on task and effort is documented may receive an "I" (incomplete) grade at the end of the semester or term. The "I" grade allows the student to complete the course by the end of the next semester or term. If the class is not completed, the grade earned at that point in time is assigned.

SECTION 21 F:

In order to expand student access to digital learning options, section 21f of the FY2013 State School Aid Act allows any student in grades 6 to 12 to enroll in up to two online courses during an academic term or semester. Students must sign up for courses one term/semester before taking the courses. Details at: http://www.mivu.org/Portals/0/GD_Parent2013_Final.pdf. Online Course catalogs are available through the State of Michigan, Please contact your counselor office for details.

ADVANCED PLACEMENT (AP):

North Branch High school offers a variety of Advanced Placement courses in the areas of Mathematics, English, Science, and Social Studies. These classes offer students the opportunity to earn college credit while still in secondary school. Students should meet the prerequisite requirements listed in the course descriptions and must complete an AP permission form for each advanced placement class requested. Below are the offered AP courses: AP Literature & Composition, AP Language & Composition, AP Calculus AB, AP Computer Science Principles; AP Biology, AP Chemistry, AP Psychology, AP Government, AP U.S. History

Due to the rigor of these classes, it is suggested that no more than one class be taken in the sophomore year, two classes in the junior year, and three classes in the senior year. Students should also realize that extra time will be required outside of the school day and time management will be very important. Those students involved in extra-curricular activities should arrange their schedules accordingly. The College Board recommends that students set aside a minimum of five hours of study time per AP class per week

DUAL ENROLLMENT:

Students in grades 9-12 may enroll in an area college, university or post-secondary institution, which grants degrees or certificates. To be eligible for dual enrollment, a student MUST:

1) have passed the MME or alternative (PLAN, PSAT, ACT, EXPLORE, etc) test in the subject area in which he/she wishes to dual enroll; or 2) be taking a Computer Science, World Language or Fine Arts course AND be in high school not more than four years. Foreign Exchange students are not eligible for Dual Enrollment. For eligible test scores, please see the Dual Enrollment Qualifying Scores Chart. It is important to work with the counselor prior to enrolling and paying any registration costs. (NOTE: Most colleges have a minimum GPA requirement and there is a limit to the number of courses allowed per semester.)

Students may take up to 10 credits of dual enrollment in their high school career beginning in 9th grade. The number of dual enrollment courses that a student may enroll in is based upon his/her grade in school when first taking dual enrollment classes:

Grade 9: not more than two per year for three years and four in the fourth year of high school.

Grade 10 : not more than two courses the first year, and not more than four courses during the third and fourth year of high school.

Grade 11 or 12: not more than six courses during either of these years – with a maximum of 10 courses total in two years.

The dual enrollment course must be a college level course and cannot be a course that is offered by NBHS as a high school course. The dual enrollment course cannot be at a lower level than previously taken in high school. The course cannot be a PE, hobby or religious course. The course may be used to meet NBHS requirements for graduation in the same subject area. Dual enrollment courses paid for by state aid funding will appear on the student’s transcript and are calculated into the student’s GPA. NBHS only pays an amount equal to the state aid portion of the class that can be claimed for state aid funding. If the tuition exceeds this amount, parents/students are responsible for the remaining costs. Parents may also be responsible for parking and other fees so it is important to review all these costs with the counseling staff.

Prior to dual enrolling, it is critical that students verify they have met all the necessary specific criteria. Students MUST meet with the counseling staff for details and MUST have prior approval of the dual enrollment course. This is to prevent enrollment in a not fundable course. Students will be required to complete a dual enrollment application, which includes a release of the student’s information from the college or institution to NBHS (grades, attendance, and tuition payment information). The dual enrollment cannot hinder a student’s progress toward meeting other graduation requirements.

PROMOTION OF STUDENTS AND CORE GOALS

The relationship between academic performance and grade placement needs to be understood by students.

Advancing to the next class is based on credits earned, NOT on the number of years spent in high school.

Students should monitor their credit totals yearly to make sure they meet the minimums listed below in order to ensure on time graduation. Total credits are based upon calculations in August to allow for the inclusion of summer school courses.

<u>TO ENTER GRADE</u>	<u>MINIMUM CREDITS</u>	<u>SEMESTERS COMPLETED</u>
10	4.5	2
11	9.5	4
12	14.5	6

STATE ALLOWED GRADUATION MODIFICATIONS

The State of Michigan has legislated that every student needs to complete all aspects of the Michigan Merit Curriculum. The State has allowed for the possibility that some students, with the support of their parents/guardian, may request a modification to the State graduation requirements. These modifications, which may produce a personal curriculum plan, are to be developed by a group consisting of the student, his or her guardian/parent, the student’s counselor and administrative designee. The modified plan will incorporate as much of the subject area contest expectations as practical, as well as alignment with the student’s educational

development plan (EDP). It is also the responsibility of the student's parents/guardian to monitor that their child's progress is congruent with the goals contained in the personal curriculum plan as well as contacting the student's counselor and/or caseload teacher at least twice per semester.

There are no modifications allowed to the State of Michigan requirements for Language Arts, World Language, Science, U.S. Civics, Algebra I and Geometry.

Students and their parents need to be aware that if a personal curriculum plan is granted and the student does not achieve proficiency in the required credits, the personal curriculum is null and void. They also need to understand that a personal curriculum plan may impact NCAA eligibility, college scholarships, and college admission decisions

COLLEGE ATHLETIC ELIGIBILITY

Eligibility for college/university athletics is determined by the governing agency for that college. The NCAA has rules for eligibility that vary by division. Please check the website at www.ncaa.org for the most up to date regulations. Schools that participate in NAIA have rules for eligibility as well that are different from the NCAA. The website for the NAIA is www.playnaia.org. Your guidance counselor can help to determine eligibility as well. Students who qualify for free or reduced lunch may receive a fee waiver for both NCAA and NAIA registration.

POST-SECONDARY PLANNING

North Branch High School guidance counselors work with every student individually to help with post-secondary planning. Students will also work in their classrooms on guidance curriculum via each student's Educational Development Plan (EDP). College bound students will need to complete an online application to each college, request a high school transcript at parchment.com, and request ACT or SAT scores to be faxed from our office or sent directly from actstudent.org or collegeboard.org. NBHS guidance office can assist with any documentation needed. Scholarship applications are available online and in the guidance office. Students will need to follow directions carefully and meet individual deadlines for both college and scholarship applications.

CAREER PATHWAYS

Unlimited opportunities await North Branch High School students in the 21st century. NBHS strives to prepare our students to make informed decisions regarding career choices through the exploration of Career Pathways and the development of EDPs. These programs encourage students to define and assess their career interests and abilities in order to better provide career direction for pursuing lifelong goals after high school.

The Educational Development Plan (EDP) is a program designed to assist your child both with future educational plans and also in making course selections for high school classes. These EDPs are web-based and may be viewed and updated by students and parents at home by visiting: <https://xello.world/>



ARTS AND COMMUNICATIONS:

Careers in this path are related to humanities and performing, visual, literary, and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations. *Is this the path for you?* Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories? This may be the career path for you!

The following are a few examples of some of the careers offered in this pathway: Actor/Actress, Floral Designer, Advertising Agent, Photographer, Archeologist, Journalist, Landscaper, Architect, Digital Artist, Internet Graphic Artist, Designer, Illustrator

North Branch Courses	Related Ed-Tech Programs
Art/TV and Film Production Publications Sociology/Psychology/Social Studies classes Band Theatre classes Drafting/Woods English/Speech/Debate World Language Web Design Introduction to Business/Marketing	Cosmetology Marketing & Entrepreneurship Agriscience / Horticulture Digital Media Arts CAD



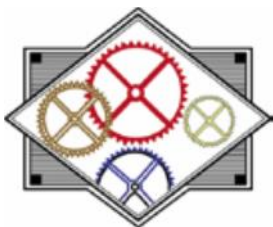
Business, Management, Marketing, and Technology:

Careers in this path are related to the business environment. These include entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics, and management. *Is this the path for you?* Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy

balancing a checkbook, following the stock market, holding an office in a club, surfing the Internet? This may be your career path!

The following are a few examples of some of the careers offered in this pathway: accounting, business administration, finance, information processing, and marketing. Bank Teller, Data Entry Clerk, Sales Person, Bookkeeper, Insurance Agent, Systems Programmer, Accountant, Auditor, Economist, Statistician, Financial Manager, Information Technologist.

North Branch Courses	Related Ed-Tech Programs
Introduction to Business/Accounting/Marketing Web Design Math courses Yearbook You and the Law Psychology/Sociology/Social Studies classes World Languages English/Speech/Debate	Marketing & Entrepreneurship Culinary Arts Computer Networking/Internet Digital Media Arts



Engineering/Manufacturing & Industrial Technology:

Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies. *Is this the path for you?*

Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? Would you enjoy painting a house, repairing cars, wiring electrical circuits, or

woodworking? This may be the career path for you!

The following are a few examples of some of the careers offered in this pathway: Aircraft Mechanic, Carpenter, Electrician, Ironworker, Plumber, Architect, Civil Engineer, Robotics Engineer, Computer Engineer, Computer Hardware Designer, Satellite Technician.

North Branch Courses	Related Ed-Tech Programs
Math classes (B or better) Woods Science classes - Physics Drafting/CAD Web Design	Auto Body- Collision Repair Auto, Diesel, RVR mechanics Construction Trades CAD Residential Wiring/HVAC IT Net Digital Media Arts



Health Sciences:

Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies. *Is this the path for you?* Do you like to care for people or animals who are sick or help them stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine? Would it be fun to learn first aid, volunteer at a hospital or veterinary clinic? This may be your career path!

North Branch Courses	Related Ed-Tech Programs
Math courses (C or better) Psychology/Sociology Physics Biology courses Chemistry courses (PLTW) Principals of Biomedical Sciences Anatomy & Physiology	Agriscience/Animal Science Public Safety Medical Careers Nursing Careers



Human Services:

Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services, and personal services.

Is this the path for you? Are you friendly, open, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends

with family problems? Do you like reading, storytelling, traveling, or tutoring young children? This could be your career path! The following are a few examples of some of the careers offered in this pathway: Chef, Child Care, Postal Worker, Firefighter, Flight Attendant, Law Enforcement Personnel, Clergy, Librarian, Psychologist, School Counselor, Teacher, Paralegal.

North Branch Courses	Related Ed-Tech Programs
Psychology/Sociology World Languages Current Events Social Studies classes Speech/Debate Child Development Parenting	Careers in Education Marketing & Entrepreneurship Cosmetology Culinary Arts Public Safety



Natural Resources and Agriscience:

Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

Is this the path for you?

Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting or fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment? This could be your career path! The following are a few examples of some of the careers offered in this pathway: Animal Caretaker, Pest Controller, Fish & Game Warden, Forestry Technician, Biologist, Geologist, Astronomer, Zoologist, Environmental Public Relations Person, Garden Designer, Commercial Turf Manager, Environmental Scientist, Landscaper, Conservationist.

North Branch Courses	Related Ed-Tech Programs
All Science courses Math courses (C or better) Current Issues Social Studies classes	Agriscience/Horticulture Public Safety

HIGH SCHOOL CAREER PATH COURSE SELECTION PLAN

The path to graduation and your future career starts here. Each grade has requirements that must be met in areas of English, math, science, and social studies. These requirements have been included in the chart found on this page. In addition, you will notice that some slots are left blank. These empty spaces represent elective courses that can be chosen. You should study the six career pathways to establish an educational goal. Once a career area has been determined, you should select courses that will enable you to pursue this goal.

9th Grade	10th Grade	11th Grade	12th Grade
1. English A	1. English A	1. English A	1. English A
2. English B	2. English B	2. English B	2. English B
3. Math A	3. Math A	3. Math A	3. Math *
4. Math B	4. Math B	4. Math B	4.
5. American History A	5. World History A	5. Economics	5.
6. American History B	6. World History B	6. American Government	6.
7. Physical Science A	7. Biology A	7. Chemistry or Physics	7.
8. Physical Science B	8. Biology B	8.	8.
9. Health	9. <i>World Language 2A**</i>	9.	9.
10. Physical Education	10. <i>World Language 2B**</i>	10.	10.

11. World Language A	11.	11.	11.
12. World Language B	12.	12.	12.

*Students are required to take a math course during their senior year. *Beginning with the Class of 2027, students will also be required to pass a Personal Finance class for graduation.*

**1 Full additional credit of the Visual, Performing or Applied Arts Credit Option, or 1 Full CTE Credit Option may replace the 2nd World Language Credit. For additional information, contact your counselor

STUDENT COURSE SELECTION

North Branch guidance counselors will meet with students to select courses for the following year. The recommendations made will be reflective of the graduation requirements, career and college goals of the student, and past performance in classes. Students have a right to select the courses either in agreement with the counselor recommendations or not, and will have the right to take a class despite a recommendation otherwise, unless there is an established pre-requisite. We encourage college bound students to select an AP course before graduation in order to experience the rigor of a college level course.

COURSE DESCRIPTIONS

Courses described in this Course Offerings Catalog are offered based upon sufficient student demand and teacher availability determined by administration.

ENGLISH DEPARTMENT- FOUR CREDITS REQUIRED

This section of the Course Offerings Handbook contains a departmental listing of all courses of instruction for the coming school year. For each subject offered, the course number and title are listed, followed by the number of terms the course must be taken and the number of credits to be earned. The grade levels to which the course is available, for example, 9-10, 9-12, 11-12, etc, are found at the end of the course description. Some courses cannot be elected until a prerequisite course has been taken. In these cases, the prerequisite course(s) are listed at the end of the course description. **Advanced Placement (AP)** courses are noted in the course title. Courses meeting the visual, performing, and applied arts MMC requirement are noted by **(VPAA)** following the course description. Courses qualifying to receive math related credit are noted with **(MathR)** following the course description. NCAA approved courses are noted in parenthesis following course description **(NCAA)**.

Make sure that you meet the prerequisites for the courses you select. If written teacher approval is required for a course, complete the appropriate applications or/and get a teacher signature on your registration form.

111 (A & B) English 9 Two Semesters 1.0 Credit

This course focuses on World Literature through project-based learning. Students will read a variety of genres including: fiction, historical fiction, memoirs, epic poetry, science fiction, and drama. Additionally, this course is designed to improve students' reading and writing skills utilizing informational text(s) and SAT vocabulary.

Grade level offered: 9 **Prerequisites:** None **(NCAA)**

131 (A & B) English 10 Two Semesters 1.0 Credit

This course's concentration is American literature. Students will continue their study of grammar by focusing on phrases and the structure of sentences and paragraphs. Students will read for central ideas, themes, and literary elements as they prepare for the upcoming standardized tests. Students will write a variety of essays and short

responses in addition to practicing persuasive writing. In addition, students will prepare a short research paper on a prescribed topic while learning the techniques of research and writing an MLA paper.

Grade level offered: 10 **Prerequisites:** English 9 (NCAA)

142 (A & B) Advanced Placement Prep. English 10 Two Semesters 1.0 Credit

This course implements skills and content from English 9 but more directly prepares students for the advanced placement options for English in 11th and 12th grades. This is accomplished through an accelerated pace with more college-level material and projects. **Grade level offered:** 10 (Replaces English 10) **Prerequisites:** English 9 (NCAA)

151 (A & B) English 11 Two Semesters 1.0 Credit

This course's concentration is British literature. Students will prepare for standardized testing through building vocabulary **strategies, practicing analysis writing, and mastering English grammar conventions.** Through the exploration of literature, students will also work to master **critical thinking, close reading, and discussion skills.** **Grade level offered:** 11 **Prerequisites:** English 10 (NCAA)

162 (A & B) Advanced Placement Language and Composition Two Semesters 1.0 Credit

AP English Language and Composition is designed to be a college/university level course, thus the "AP" designation on a transcript. This course provides intellectual challenges and a workload consistent with a typical undergraduate university English literature course, concentrating mainly on informational texts. Towards the end of the course, the students will take the Advanced Placement Language and Composition exam given in May. A student who earns a grade of 3 or above on the exam will be granted college credit at most colleges and universities throughout the United States. It is **highly recommended** that students take the National AP Exam for this course. Students electing to not take the exam will have one administered and graded by the course teacher in the classroom setting the day of the test. This course will not only prepare the students for the AP Exam, but provide them with guidance in applying for colleges and preparing for college level reading and writing. **Grade level offered:** 11 (Replaces English 11) **Prerequisites:** English 10 and consent of instructor. (NCAA)

171 (A & B) English 12 Two Semesters 1.0 Credit

In this course, students will learn the finer details of constructing a research paper. A minimum of two research papers will be required for this course. Students will learn both MLA and APA forms of research. They will also create an—electronic portfolio and other forms of technical communication. In 12B students will read and write non-fiction materials. They will learn various forms of communication within the working world. They will learn to write resumes, proposals, letters, college entrance, and scholarship essays. All students will be required to conduct a demonstration speech, and participate in a job interview, which will help them learn techniques in preparation to be independent decision-makers beyond high school.

Grade level offered: 12 **Prerequisites:** English 11 (NCAA)

182 (A & B) Advanced Placement Literature and Composition Two Semesters 1.0 Credit

AP English Literature and Composition is designed to be a college/ university level course, thus the "AP" designation on a transcript. This course provides intellectual challenges and a workload consistent with a typical undergraduate university English literature course. Towards the end of the course, the students will take the AP English Literature and Composition Exam given in early May. A student who earns a grade of 3 or above on the exam will be granted college credit at many colleges and universities throughout the United States. It is **highly recommended** that students take the National AP Exam for this course. Students electing to not take the exam will have one administered by the course teacher in the classroom setting the day of the test. This course will not only prepare the students for the AP Exam, but provide them experiences and skills that will help them succeed after graduation. **Grade level offered:** 12 (Replaces English 12) **Prerequisites:** English 11 and consent of instructor. (NCAA)

MATH DEPARTMENT- FOUR CREDITS REQUIRED

In accordance with state legislation, ALL students must acquire math credits including Algebra, Geometry, and Algebra II and a math course must be taken during the senior year. **NOTE: Beginning with the Class of 2027, students will be required to pass a Personal Finance class for graduation.**

STUDENTS NEED WRITTEN APPROVAL FOR ALL MATH CLASSES. SIGNATURES SHOULD BE OBTAINED FROM YOUR CURRENT MATH TEACHER.

Students enrolled in Algebra II, Introductory Statistics/Problem Solving, Pre-Calculus, and AP Calculus are required to have a graphing calculator. You have the following options to obtain a calculator:

- Purchase one on your own- we recommend Texas Instruments. If you purchase any other brand, it will be your responsibility to learn the differences between your model and the school issued TI calculators. Ask your teacher which model they would recommend.
- Have one issued to you for the term, the same as your textbooks are issued. This method would require a \$20 deposit, refundable at the end of the course.

211 (A & B) Algebra I **Two Semesters** **1.0 Credit**
 This course is designed to allow students to build on mathematical skills while enhancing their understanding of algebraic concepts. Students will grow their understanding of how variables, equations, functions and graphs can be used to describe mathematical relationships that can be found in the world around us.
Grade level offered: 9-12 *Prerequisites:* None (NCAA)

231 (A & B) Geometry **Two Semesters** **1.0 Credit**
 This course will study patterns and reasoning, congruent figures, properties of quadrilaterals, circles and arcs, ratio and proportion, trigonometry, area, surface area and volume. Additional topics include the coordinate plane, parallel lines, perpendicular lines, and transformations. Through applications, students will learn to develop step-by-step thinking skills necessary in doing proofs.
Grade level offered: 9-12 *Prerequisites:* Algebra 1 (NCAA)

271 (A & B) Algebra II **Two Semesters** **1.0 Credit**
 This course builds on the skills and concepts that were learned in Algebra 1. Topics will include systems of equations, matrices, quadratic functions, polynomial functions, radical functions, exponential functions, logarithms, statistics, and trigonometry.
Grade level offered: 10-12 *Prerequisites:* Geometry (NCAA)

275 Introduction to Statistics **One Semester** **0.5 Credit**
 This is an introductory statistics course that contains content in data collection and sampling techniques, data organization, graphs, central tendencies, measures of position, sample spaces, probability and counting rules, and normal distribution.--THIS COURSE IS NOT A PRE-REQUISITE FOR AP STATISTICS
Grade level offered: 11-12 *Prerequisites:* Algebra II (NCAA)

276 Algebra III with Trigonometry **One Semester** **0.5 Credit**
 This course is designed for the college bound student who is not likely to major in mathematics or science. This course also serves as a bridge to Pre-Calculus, for those students who are not quite ready for it. Topics include: rational expressions, conic sections, sequence and series, triangle trigonometry, trigonometric functions and graphs (the unit circle), circular functions and their graphs, and trigonometric identities.
Grade level offered: 11-12 *Prerequisites:* Algebra II (NCAA)

278 Personal Finance **One Semester** **0.5 Credit**
 This is a senior level course designed to increase financial understanding and is highly recommended for all seniors. Topics include budgeting, managing debt, interest rates, retirement planning, and credit.
Grade level offered: 12 *Prerequisites:* Senior Standing

282 (A & B) Pre-Calculus Two Semesters 1.0 Credit

This course will study functions and their graphs, analytical geometry, polynomial and rational functions, and trigonometry. Formal definitions will be presented and applied. The study of the laws of exponents and logarithms will be included as well as applications of these concepts. Students will manipulate and solve equations and inequalities (quadratics, power, exponential, logarithmic, trigonometric, polynomial, and rational). Upon satisfactory completion of this course, a student should be prepared for Calculus.

Grade level offered: 11-12 *Prerequisites:* Algebra II with a B (NCAA)

292 (A & B) AP Calculus Two Semesters 1.0 Credit

This is a college level math course offered at the high school level. Topics will include limits, differentiation, and integration along with their applications to realistic situations. Students will be expected to express their calculations both verbally and algebraically. Successful completion of the Advanced Placement exam in May may earn students college credit in Calculus.

Grade level offered: 11-12 *Prerequisites:* Pre-Calculus (NCAA)

SCIENCE DEPARTMENT- THREE CREDITS REQUIRED

320 (A & B) Physical Science Two Semesters 1.0 Credit

This year long course is designed as an introductory science course to meet the Michigan Science Standards in Physics and Chemistry. Topics to be covered throughout the year include, but are not limited to, properties of matter, periodic table, study of chemical compounds, understanding chemical reactions, motion, forces, energy, electricity, waves, light, as well as engineering and technology concept introduction and additional earth science standards. The entire year must be successfully completed for graduation requirements. Lab work is a required component of this course.

Grade level offered: 9 required *Prerequisite:* None (NCAA)

322 (A & B) Biology Two Semesters 1.0 Credit

This year long course is designed to fulfill Michigan Science Standards Biology requirements. Topics to be covered throughout the year include, but are not limited to biochemistry, cell structure/function, photosynthesis/cell respiration, cell replication, genetics, protein synthesis, ecology, human impact in biosphere, classification, evolution, and body systems, as well as engineering and technology and additional earth science standards This class must be successfully completed for graduation requirements. Lab work is a required component of this class.

Grade level offered: 10 required *Prerequisite:* None (NCAA)

323 (A & B) Project Lead the Way: Engineering Essentials Two Semesters 1.0 Credit

Engineering Essentials is a full-year course designed to be a high school student's first exposure to the PLTW Engineering program and is appropriate for students in grades 9-12. In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills through the use of a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and Manufacturing.

Grade level offered: 9 - 12 *Prerequisite:* None

NOTE: Completion of the sequence PLTW Engineering Essentials, PLTW Principles of Biomedical Science and a chemistry course can be used to replace Physical Science and Biology. PLTW Essentials of Engineering can also be used as an elective course.

324 (A & B) Project Lead the Way: Biomedical Science Two Semesters 1.0 Credit

This year long course takes a diagnostic approach to solving the cause of death of a fictional woman. This course meets standards of Michigan Science in the area of Life Science. The content of this class is learned through extensive lab work, utilizing problem solving and decision making skills, research skills, working with

peers, and use of technology. *10th graders interested in a health science career may take this course as a substitute for Biology by earning an "A" in Physical Science A&B, and with physical science teacher permission.*

Grade level offered: 10 (with prerequisites), 11 and 12 **Prerequisite:** Successful completion of Biology and interest in Health Sciences (NCAA)

372 A Anatomy & Physiology **One Semester** **0.5 Credit**

This is the first in a two semester anatomy and physiology course. This course is designed for students considering further education and careers in the allied health fields. Topics include, but are not limited to, the language of anatomy, body tissues, integumentary system, skeletal system, and the muscular system, nervous system, special senses, and endocrine system. Laboratory exercises, including dissections, are required.

Grade level offered: 11-12 **Prerequisites:** Physical Science and Biology (or Biomedical Sciences) with a C+ or better. (NCAA)

372 B Anatomy & Physiology II **One Semester** **0.5 Credit**

This is the second in a two semester anatomy and physiology course. Topics include, but are not limited to, the blood, cardiovascular, lymphatic, digestive, respiratory, urinary, and reproductive systems. Laboratory exercises, including dissections, are required.

Grade level offered: 11-12 **Prerequisites:** Anatomy and Physiology with a C+ or better. (NCAA)

376 Chemistry **One Semester** **0.5 Credit**

This course completes the Michigan Science Standards in Physical and Earth Science and prepares students for further chemistry study at the high school level. Topics include, but are not limited to: naming and writing formulas for compounds, balancing equations, mole conversions, nuclear chemistry, rates of reactions and equilibrium. Lab work is required. **Grade level offered:** 10-11

Prerequisites: Successful completion of Physical Science A,B and Algebra I A,B (NCAA)

378 College Preparatory Chemistry **Two Semesters** **1.0 Credit**

College Preparatory Chemistry is a year-long course which prepares students for college science courses. Topics include but are not limited to: atomic structure, chemical and physical properties, periodic trends, compound names and formulas, chemical reactions, mole conversions and stoichiometry, thermochemistry, solutions and solubility, acids and bases, equilibrium, kinetics, oxidation/reduction, and nuclear chemistry. Lab work is required.

Grade level offered: 10-12 **Prerequisites:** Chemistry with a B or better and Chemistry teacher recommendation

380 Environmental Science **One Semester** **0.5 Credit**

This course examines how humans interact with their environment. The focus is on addressing current environmental concerns and using decision making methods to propose solutions. Students are required to complete one out-of-class service learning project, participate in collection and delivery of high school recycling, and actively participate in discussion and debate on topics including environmental history, ecosystems, water, garbage (production/disposal), biodiversity, and policy making. Some lab work and outdoor work is required **Grade offered:** 11-12 **Prerequisite:** successful completion of Physical Science A,B and Biology A,B (NCAA)

385A Physics A **One Semester** **0.5 Credit**

This is the first course in a two semester physics class designed to prepare students for a beginning level college physics class. Topics include, but are not limited to, kinematics, vectors, projectile motion, dynamics, circular motion, gravitation, and Kepler's Law. Students will use algebraic, geometric, and trigonometric math skills to solve problems. A good work ethic is essential. Lab work is required.

Grade level offered: 11-12 **Prerequisites:** Successful completion of Algebra II (MathR) (NCAA)

385B Physics B**One Semester****0.5 Credit**

This is the second course in the two-semester physics class. Topics include, but are not limited to, fluids, vibrations, sound, optics, work, energy, light and color, momentum, electricity, Ohm's Law, and Coulomb's Law. Students will use algebraic, geometric, and trigonometric math skills to solve problems. Lab work is required.

Grade level offered: 11-12**Prerequisites:** Successful completion of Physics A (MathR) (NCAA)**392 (A & B) Advanced Placement Biology****Two Semesters****1.0 Credit**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. Student will be expected to do college level work! There is daily homework for this class as well as summer work. Lab work is required.

Grade level offered: 11-12 **Prerequisites:** Biology A,B and Chemistry with a B and AP Biology teacher consent. Completion of Anatomy and Physiology A and B are recommended. (NCAA)

**SOCIAL STUDIES DEPARTMENT-
THREE CREDITS REQUIRED**

418 (A & B) American History**Two Semesters****1.0 Credit**

This course builds on major people, places, events, things, and ideas from American history learned in middle school and introduces students to the industrial U.S., the emergence of modern America, the Great Depression, World War II, the post World-War II U.S., and the contemporary U.S.

Grade level offered: 9 required**Prerequisite:** None

(NCAA)

420 (A & B) World History**Two Semesters****1.0 Credit**

This course is a basic survey of world history and cultural geography from prehistory through the present. Major emphasis is on exploring what it has meant in history to be human, what human beings throughout history have chosen to do with their lives, and what major movements and marks have been left that continue to shape the 21st century. In addition to teacher-generated activities in this class, students will be expected to delve into world history on their own by researching in order to produce a variety of learning projects.

Grade level offered: 10 required**Prerequisite:** Introduction to American History.

(NCAA)

430 Great American Challenges I (School year 2023-2024)**One Semester****0.5 Credit**

This course examines significant social, political, and military struggles surrounding the European founding of the New World, through the period of Civil War and Reconstruction. In addition to teacher-generated activities, students will be expected to delve into history on their own by researching in order to produce a variety of learning projects.

Grade level offered: 10-12 **Prerequisites:** Introduction to American History.

(NCAA)

431 Great American Challenges II (School year 2024-2025)**One Semester****0.5 Credit**

This course examines significant social, political, and military struggles from the Spanish-American War and the beginnings of U.S. imperialism through World War II. In addition to teacher-generated activities, students will be expected to delve into history on their own by researching in order to produce a variety of learning projects.

Grade level offered: 10-12**Prerequisites:** Introduction to American History.

(NCAA)

451 Connecting History to Current Events.**One Semester****0.5 Credit**

Students will use a variety of formats, media, & projects to apply their understanding of civic duties to the real world. Subjects include registering for Selective Service, voting instructions & obligations, and banking, insurance & tax information. They will learn the value of thinking historically while considering current events from the community to global issues. Students will be expected to work independently using research techniques that will provide a variety of learning projects.

Grade level offered: 9-12**Prerequisite:** None

(NCAA)

- 452 History through Film** **One Semester** **0.5 credit**
 The objective of this 1 semester elective is to go deeper into specific historical subjects using motion pictures as the launching point. This class brings history to life through film. Both Hollywood & documentary films will be utilized with additional teacher-generated projects centered around each film. The accuracy & the agenda of each film will be analyzed. The course will be open to all historical periods.
Grade level offered: 10-12 *Prerequisite:* None
- 455 You and the Law** **One Semester** **0.5 Credit**
 This one semester course is an overview of our criminal law system within the United States. The course will also offer students an opportunity to better understand their civil liberties as guaranteed by the Constitution.
Grade level offered: 10-12 *Prerequisites:* None (NCAA)
- 461 Economics** **One Semester** **0.5 Credit**
 Students will learn how our unlimited needs and wants are met by our limited resources and how they are affected by global competition.
Grade level offered: 11 required *Prerequisite:* None (NCAA)
- 471 Human Psychology** **One Semester** **0.5 Credit**
 In this course, you will examine why it is important to study psychology, learn about research methods, study life span psychological influences (infancy and childhood, adolescence and old age), investigate altered states of consciousness (sleep and dreams, hypnosis, meditation, the affects of drugs on behavior) and explore how sensation and perception affect human behavior. This course will provide you with tools to help you gain insight into your own behavior as well as your relationships with others.
Grade level offered: 10-12 *Prerequisite:* None (NCAA)
- 472 Behavioral Psychology** **One Semester** **0.5 Credit**
 In this course, you will examine learning principles (classical, operant, social learning). You will also explore how memory and thought, thinking and language, and motivation and emotion affect behavior. In addition, you will explore how stress and health influence human behavior and study the numerous psychological disorders (abnormal psychology) that affect so many. This course will provide you with tools to help you understand your own behavior and gain insight into the behaviors of those around you.
Grade level offered: 10-12 *Prerequisite:* None (NCAA)
- 474 Sociology** **One Semester** **0.5 Credit**
 In this course, students will study and learn the factors that influence how individuals function as members of groups and how groups interact with one another.
Grade level offered: 10-12 *Prerequisite:* None (NCAA)
- 476 Parenting and Family Relations** **One Semester** **0.5 Credit**
 Students consider the psychology behind major parenting issues and then study the psychological issues that are important in the area of family life. *Grade level offered:* 10-12 *Prerequisites:* None
- 478 Child Development** **One Semester** **0.5 Credit**
 Students will learn the developmental levels of children from birth to age 12 and consider the psychology behind each level and behind parenting issues related to young children. They then study psychological issues that are current and important in the area of family life.
Grade level offered: 10-12 *Prerequisites:* None
- 482 American Government** **One Semester** **0.5 Credit**
 This course builds on basic information about United States government learned in middle school by applying that information to citizenship. Students also study state and local government, elections, and foreign affairs.
Grade level offered: 11 required *Prerequisite:* None (NCAA)
- 490 (A & B) Advanced Placement Psychology** **Two Semesters** **1.0 Credit**
 This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and

phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. The AP psychology course offers an exam in psychology to qualified students who wish to complete studies in secondary school equivalent to an introductory course in psychology.

Grade level offered: 10-12 **Prerequisites:** Written Approval of AP Psychology Teacher. (NCAA)

492 (A & B) Advanced Placement U.S. History **Two Semesters** **1.0 Credits**

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides four themes that students explore throughout the course in order to make connections among historical developments in different times and places: American Capitalism, American Democracy, American Lives, and American Power Abroad. This course prepares students for the AP U.S. History exam which could earn each student college credit.

Grade level offered: 9-12 **Prerequisites:** Written Approval of AP U.S. History Teacher. (NCAA)

494 (A & B) Advanced Placement U.S. Government **Two Semesters** **1.0 Credits**

This is an introductory college-level course in U.S. government. Major content areas considered include: the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties, interest groups, mass media, the Congress, the presidency, the bureaucracy, the federal courts, public policy, civil rights, and civil liberties. The course prepares students for the AP U.S. Government exam which could earn each student college credit. This course can be used to replace American Civics.

Grade level offered: 11-12 **Prerequisites:** Written Approval of AP U.S. Government Teacher (NCAA)

WORLD LANGUAGE DEPARTMENT

The Spanish program is designed to introduce and develop the four basic language skills of speaking, listening, reading and writing. Students seeking college admission are highly recommended to complete a sequence of two years or more in one of the languages. Earning 2 credits is a requirement for graduation as part of the Michigan Merit Curriculum.

532 (A & B) Spanish I **Two Semesters** **1.0 Credit**

This course will be taught using comprehensible input. Input will be the primary focus. You will acquire the language by **listening** and **reading** to support your eventual output of **writing** and **speaking**. By the end of the course, you will be able to use and understand memorized words and phrases to exchange information on familiar topics, and practice the intercultural competence through the understanding of practices, perspectives, and products. This course is also designed to meet the World Language standards from the American Council on the Teaching of Foreign Languages and the Michigan Merit Curriculum. **Grade level offered:** 8-12

Prerequisites: Eighth grade students must have an A in their previous English course. (NCAA)

533 (A & B) Spanish II **Two Semesters** **1.0 Credit**

This course will be taught using comprehensible input. Input will be the primary focus. You will acquire the language by listening and reading to support your eventual output of writing and speaking. By the end of the course, you will be able to use and understand sentences to exchange information on familiar topics, and practice the intercultural competence through the understanding of practices, perspectives, and products. This course is also designed to meet the World Language standards from the American Council on the Teaching of Foreign Languages and the Michigan Merit Curriculum.

Grade level offered: 10-12 **Prerequisites:** Spanish I (A, B) (NCAA)

534 (A & B) Spanish III **Two Semesters** **1.0 Credit**

This course will be taught using comprehensible input. Input will be the primary focus. You will acquire the language by listening and reading to support your eventual output of writing and speaking. By the end of the course, you will be able to use and understand sentences to exchange information on familiar topics, and

practice the intercultural competence through the understanding of practices, perspectives, and products. This course is also designed to meet the World Language standards from the American Council on the Teaching of Foreign Languages and the Michigan Merit Curriculum.

Grade level offered: 10-12 **Prerequisites:** Spanish II (A, B) (NCAA)

535 (A & B) Spanish IV

Two Semesters

1.0 Credit

This course will be taught using comprehensible input. Input will be the primary focus. You will acquire the language by **listening** and **reading** to support your eventual output of **writing** and **speaking**. By the end of the course, you will be able to create and understand authentic language to exchange information on familiar topics, and practice the intercultural competence through the understanding of practices, perspectives, and products. This course is also designed to meet the World Language standards from the American Council on the Teaching of Foreign Languages and the Michigan Merit Curriculum.

Grade level offered: 10-12 **Prerequisites:** Spanish III (A, B) (NCAA)

NOTE: Formal coursework or an equivalent learning experience in Grades K-12 (1 credit) and completion of a Department approved formal Career and Technical Education program or an additional visual, performing, and applied arts credit (1 credit) may satisfy one credit of this requirement.

FINE, TECHNICAL AND APPLIED ARTS DEPARTMENT

PHYSICAL and HEALTH EDUCATION

610 Physical Education

One Semester

0.5 Credit

Students will participate in team sports of basketball, football, volleyball, soccer and hockey. Two days a week the students will be lifting weights and doing conditioning activities.

Grade level offered: 9 required **Prerequisites:** None

612 Health

One Semester

0.5 Credit

This course will utilize the Michigan Model for Comprehensive School Health Education. The curriculum will be further augmented by the use of a textbook and timely material through the internet. Students will discuss contemporary issues which influence their lives and the community which they live in. Topics will include: human body systems, personal health and wellness, sun safety, nutrition and physical activity, drug/alcohol/tobacco avoidance/ assertiveness/decision making, goal setting, character development, conflict/anger management, first aid, mental/depression illness/suicide, understanding the influence of media, and Michigan laws regarding all areas including bullying.

Grade level offered: 9 required **Prerequisites:** None

NOTE: STUDENTS MAY SIGN UP FOR ONE ELECTIVE PHYS ED COURSE PER SEMESTER OF THEIR 10-12 GRADE SCHOOL YEARS FROM THE SELECTIONS BELOW.

614 Lifetime Fitness for Females

One Semester

0.5 Credit

Lifetime Fitness for Females - This course is designed for the female student who would like to have a better understanding of how versatile exercise can be for them throughout their lifetime. Tools in this class to teach and reach improved levels of personal fitness may include: Pilates/Yoga, weight training, aerobic kickboxing, plyometrics, cardiovascular conditioning and a variety of both personal and team lifetime sports and activities. A wide variety of fitness areas will be assessed; this will allow students to measure progress and set goals for future growth. Additional discussions will focus on healthy nutrition habits.

Grade level offered: 10-12 **Prerequisites:** Physical Education 9

620 Strength-Agility-Speed Training I (S.A.S. Training I)

One Semester

0.5 Credit

The objective of this class, formally called "Conditioning, is to enable athletes to become stronger, faster, and develop more endurance through cardio-vascular and weight training. This class is for serious athlete or the student interested in personal fitness or athletics.

Grade level offered: 10-12 **Prerequisites:** Physical Education 9 OR written permission by instructor.

621 Seasonal Activities **One Semester** **0.5 Credit**
Students will participate in individual and group athletic activities. Modules covered during the year include: tennis, football, basketball, volleyball, weightlifting, soccer, and badminton. General activities for each module will be warm-ups, introduction of rules and skills, play in a league, and then play in a tournament. Students will participate in the President Physical Fitness Challenge.
Grade level offered: 10-12 **Prerequisites:** Physical Education 9

625F Strength-Agility-Speed Training II (S.A.S. Training II) (Fall ONLY) **One Semester** **0.5 Credit**
This class, *formally known as Advanced Conditioning*, is for serious athletes. The goal of this class is to help athletes reach their physical potential by increasing strength and enhancing skill related fitness. The class will consist primarily of weight training for three periods per week and skill related fitness for two periods per week focusing on agility, balance, coordination, power-reaction time, and speed. S.A.S. Training II (Fall) is one term course.
Grade level offered: 10-12 **Prerequisites:** Physical Education 9, participation in interscholastic sport (written verification by a varsity coach or athletic director required) **OR written permission by instructor.**

625S Strength-Agility-Speed Training II (S.A.S. Training II) (Spring ONLY) **One Semester** **0.5 Credit**
This class, *formally known as Advanced Conditioning*, is for serious athletes. The goal of this class is to help athletes reach their physical potential by increasing strength and enhancing skill related fitness. The class will consist primarily of weight training for three periods per week and skill related fitness for two periods per week focusing on agility, balance, coordination, power-reaction time, and speed. S.A.S. Training II (Spring) is a one term course.
Grade level offered: 10-12 **Prerequisites:** Physical Education 9, participation in interscholastic sport (written verification by a varsity coach or athletic director required) **OR written permission by instructor.**

ACTING AND DRAMA

700A Drama A **One Semester** **0.5 Credit**
This class is an overview of many elements of the theater and how they work together to make a production. The focus of this class will include theater history, improvisational acting, pantomime, vocal acting and scene work. *8 hours of after school lab time* working on a production will be required. Students may repeat this course for elective credit.
Grade level offered: 9-12 **Prerequisites:** None (VPAA)

702 Play Production **One Semester** **0.5 Credit**
This course is a continuation of Drama IA & 1B. Students will overview many elements of theater. Students taking this class will be expected to participate in the current production, as either a performer or a technician. After school hours working on the play will be required. Other areas of focus will include auditioning, scene work, script and character analysis and technical design projects. A portfolio assignment is also a requirement of this class. This course may only be taken once in a school year but can be repeated for elective credit in subsequent years. **Grade level offered:** 9-12 **Prerequisites:** Drama A & B with a B- or better and/or instructor permission (VPAA)

704 Technical Theater **One Semester** **0.5 Credit**
This class focuses on learning the basics of behind the scenes technical work in the theater. Emphasis will be placed on elements of lighting, sound, set construction, and set painting. Students will gain practical experience by working on school productions. A minimum of 8 hours working after school on the play will be required. Students must sign a responsible use of equipment contract. This course may only be taken once in a school year but can be repeated for elective credit in subsequent years. **NOTE: This course requires a \$10.00 lab fee.**
Grade level offered: 9-12 **Prerequisites:** None (VPAA)

706 Cinema Analysis **One Semester** **0.5 Credit**
This class focuses primarily on watching and critically evaluating movies of all genres and time periods. The focus would be to look at movies from various angles, rather than just entertainment. Some of these could include, social consciousness, political and historical implications, plot structure, tempo, rhythm, pacing, design elements, cinematography, special effects and so on. Students will watch, discuss and write about

movies. **This course may only be taken once in a school year but may possibly be repeated for elective credit in subsequent years depending on availability of other elective courses.**

Grade level offered: 10-12 **Prerequisites:** C in English (VPAA)

ART AND MEDIA

719 Introduction to High School Art **One Semester** **0.5 Credit**

This class focuses on 2 dimensional concepts and materials. The Principles and Elements of Art are strongly emphasized, using a wide variety of materials and ideas. Materials include but are not limited to; pencils, water color, crayons, markers, ink and more. This is a prerequisite for all other visual art classes. Students must attain a C or higher in this class to take additional art classes. Students may only retake this course if they did not earn a C or higher. **Grade level offered:** 9-12 **Prerequisites:** None (VPAA)

720 3-D Design **One Semester** **0.5 Credit**

This Class focuses on 3 dimensional concepts and materials. The Principles and Elements of Art are strongly emphasized, using a wide variety of materials and ideas. Materials include, but are not limited to, clay, plaster, wood, found objects, cardboard and more. There is a lab fee of \$5.00 for this class.

Grade level offered: 9-12 **Prerequisites:** Intro to High School Art with a C or higher (VPAA)

721 Ceramics **One Semester** **0.5 Credit**

This class explores the history and use of clay in both artistic and functional ways. The potter's wheel and hand building techniques will be taught. A lab fee of \$10.00 will be required. Students may repeat this course.

Grade level offered: 9-12 **Prerequisites:** Intro to High School Art with a C or higher (VPAA)

723 Drawing **One Semester** **0.5 Credit**

This class explores more advanced drawing techniques. The emphasis is on preparing students for a college level Art class. Students may repeat this course.

Grade level offered: 9-12 **Prerequisites:** Intro to High School Art with a C or higher (VPAA)

725 Painting **One Semester** **0.5 Credit**

In this class, students will study painting in many forms. We will look carefully at other artists and how their work influences us. We will experience using water color, tempera, latex, acrylic and more. A lab fee of \$10.00 will be required. Students may repeat this course.

Grade level offered: 9-12 **Prerequisites:** Intro to High School Art with a C or higher (VPAA)

730 Advanced Art **One Semester** **0.5 Credit**

This class is for students who are planning to pursue an art career and have working knowledge of the material they want to use. This class will prepare you for the next level of study. We will use a wide variety of mediums, including but not limited to clay, plaster, cement, cardboard, paint, paper mache, and wire.

Grade level offered 10-12 **Prerequisites:** Successful completion of the following classes with a B or better: Intro to Art, and one other NBHS offered art course. (VPAA)

COMMUNICATIONS

186 (A&B) Publications **Two Semesters** **1.0 Credit**

In this course, students create the 100+-page yearbook using E-design on-line. Students are responsible for gathering news stories, interviewing and writing copy for publication in the yearbook. Students are also responsible for taking, uploading, categorizing and organizing digital photos for events throughout the year. Students are responsible for editing and accuracy in the publication. Maturity and dedication is a must as there is after school time required.

Grade level offered: 10 - 12 **Prerequisites:** Successful completion of English classes (B+ or better), and completion of the application process. Also, must have an AUP on file prior to acceptance in class. Applications are available in the Counseling Center. (VPAA)

710 Education Leadership (Teacher Cadet) One Semester 0.5 credits
 This one-semester course exposes students to a variety of positions in the field of education. Explored positions include, but are not limited to, teaching, administration, administrative assistants, counseling, social work, and paraprofessionals. The course employs a multitude of learning experiences: student-choice reading and research, hands-on experience in “a day-in-the-life,” and analysis of policy development and impact. By the end of the semester, students will have a more well-rounded perspective on K-12 education and a plan of action if they’re interested in pursuing a career in education.
Grade level offered: 11-12 **Prerequisite:** None

751 Public Speaking One Semester 0.5 Credit
 This class will teach basic public speaking skills and the confidence to speak to a group of any size. Students will learn to inform, persuade or entertain a group of people. Students will present several speeches including, but not limited to an informative speech, a persuasive speech, a process speech, a storytelling speech, impromptu speeches and an elective speech.
Grade level offered: 9-12 **Prerequisites:** None (VPAA)

752 Debate One Semester 0.5 Credit
 This course is designed to have students explore persuasion and debate and how they work together. Students will use skills in research, speech, outlining, and argumentation. All Students will participate in class debate tournaments including but not limited to Model UN, Legislative debate, Lincoln-Douglas and Panel discussion.
Grade level offered: 10 – 12 **Prerequisites:** English with a C+ (NCAA)

756 Leadership and Facilitation Skills Training One Semester 0.5 credits
 This class will be a hands-on class where students will practice actual leadership strategies. Students will research the foundations of leadership by learning about leadership styles, collaboratively developed goal setting skills base on reasoning and evidence, hone communication skills, apply evidence-based reasoning in decision making skills, teamwork and much more. Participants will also look at their own relationship strengths and weaknesses in order to develop a facilitation style for working with other students. This class will also be used as a forum for planning school improvement activities for the student body. This is an excellent opportunity for students who want to learn to work with others and are headed toward “people” careers.
Grade level offered: 10-12 **Prerequisites:** An application and selection by committee.

BUSINESS COURSES

760 Introduction to Business One Semester 0.5 Credit
 Have you ever dreamed of going into business for yourself? This course is an introductory course in which students will learn business topics centered on entrepreneurship. These topics include business planning, managing market strategies and processes, managing finances and then planning for growth. Purchasing, sales, human resources, and marketing are all part of this intro to business course. It’s a great way to explore careers in business, management and marketing.
Grade level offered: 9-12 **Prerequisites:** None

761 Business Skills and Applications One Semester 0.5 Credit
 This class is an upper level business class for the student who anticipates a business career, especially those careers that require competent application skills. Topics will be targeted to those skills and applications necessary to be successful in the administration side of business and management.
***Microsoft Office Certification Opportunities available **Articulated Credit Pending**
Grade level offered: 11-12 **Prerequisites:** None

762 Business Management One Semester 0.5 Credit
 Students who are serious about business in general or specifically management in any capacity would absolutely benefit from this class. It has a heavy emphasis on business management and leadership specific to the areas of communication, administration, human resources, and project and data management.
Grade level offered: 11-12 **Prerequisites:** None

763A Accounting I A **One Semester** **0.5 Credit**
This introductory accounting course presents the complete accounting cycle of a service business organized as a proprietorship and a merchandising business organized as a corporation. Students will learn fundamental accounting practices such as the debit/credit approach to analyzing transactions, journalizing, posting, financial statements, adjustments and closing entries.

Grade level offered: 9-12 **Prerequisites:** None **(MathR)**

763B Accounting I B **One Semester** **0.5 Credit**
This accounting course builds on accounting fundamentals learned in the previous course. Students will practice the fundamentals previously learned and in addition, learn accounting as it relates to cost, inventory, management, and manufacturing.

Grade level offered: 10-12 **Prerequisites:** Accounting 1 A **(MathR)**

764 Accounting II **One Semester** **0.5 Credit**
This course is designed for the student who explored accounting in the course accounting 1A or 1B and realized that they want to take their accounting education to the next level. The goal of this course is to help students review fundamental accounting concepts and principles through the use of QuickBooks and the analysis of business events. It is a real-world accounting course and will broaden the scope of accounting for any student. In addition to the fundamentals in accounting, students will pursue areas in payroll, inventory, uncollectible accounts, budgets, financial statements and cost analysis.

Grade level offered: 11-12 **Prerequisites:** Accounting 1A or 1B **(MathR)**

770 (A & B) Business, Media, and Promotions **Two Semesters** **1.0 Credits**

This course is designed to immerse the student in a “real-world” learning culture, emphasizing:

- Leadership
- Project Management
- Collaboration
- Communication
- Commitment

This class will allow students to explore hands-on business/media/promotion opportunities through assignments such as:

- Brew Crew member (on campus coffee shop)
- Competition at regional, state and national levels with Workplace Skills Assessment Program/Business Professionals of America (BPA) exposing students to over 30 different career and technical education disciplines.

Grade level offered: 10-12 **Prerequisites:** None **(VPAA)**

INDUSTRIAL ARTS

800 (A & B) Drafting **Two Semesters** **1.0 Credit**

In this two semester course, students will be introduced to the field of drafting and learn basic techniques used in mechanical drawing. Topics will include equipment, line conventions, lettering, dimensioning, multiview & pictorial drawing, section views, and working drawings. Students will also be introduced to the design process and exposed to careers that exist in the design, manufacturing, and engineering fields. The course will conclude with a capstone project where students will propose, draw, construct, and test balsa wood bridges in a design competition. Students should register for both Drafting A & B.

Grade level offered: 9-12 **Prerequisites:** None **(MathR) (VPAA)**

804 (A & B) Advanced Drafting (Computer-Aided Design) **Two Semesters** **1.0 Credit**

In this two semester course, students will be trained on a variety of software packages used to propose, design, and model components in industry. Topics covered will include 2D drafting and dimensioning with AutoCAD, concept design using Google Sketch Up

Grade level offered: 10-12 **Prerequisites:** Drafting with a C or better. **(VPAA)**

820 Woodworking I **One Semester** **0.5 Credit**
Students will learn how to use woodworking tools and learn the basics of shop safety. Grades will be based on completion of both required and student selected projects. *NOTE: Students must pay for their own materials in this class and some materials are not provided.*
Grade level offered: 9-12 **Prerequisites:** None **(VPAA)** **(MathR)**

822 Woodworking II **One Semester** **0.5 Credit**
Students will engage in larger and more difficult woodworking projects. The students will learn about different wood joints and when to use them. There will be one required project. *NOTE: Students must pay for their own materials in this class and some materials are not provided.*
Grade level offered: 10-12 **Prerequisites:** Woodworking I with a C or better. **(VPAA)** **(MathR)**

826 (A & B) Advanced Woodworking **Two Semesters** **1.0 Credits**
Students who have completed Woodworking I and Woodworking II may select this course to study advanced woodworking techniques. Students will have a chance to practice these techniques in a variety of self-selected projects. *NOTE: Students must pay for their own materials in this class and some materials are not provided.* This is a two-Semester class. **Grade level offered:** 11-12 **Prerequisites:** Woodworking II with a C. **(VPAA)** **(MathR)**

830 Home and Auto Maintenance **One Semester** **0.5 Credit**
Students will be introduced to general maintenance for homes and automobiles. Topics covered will include: (HOME) Reading building prints, wall framing, rafters, shingling, siding, basic home circuits, hanging and patching drywall, calculating cost of materials. (AUTO) checking and changing fluids, rotating tires, changing fuses, air filters, changing lights, calculating cost of supplies.
Grade level offered: 10-12 **Prerequisites:** None **Credit:** 0.5 **(VPAA)**

MUSIC

860 (A&B) Band **Two Semesters** **1.0 Credit**
Students will study instrumental music through yearlong activities. Band Camp in August is a requirement. A failing grade for the first semester will be the result if a student misses band camp without arranging the absence at least two weeks prior to camp. Students will participate in marching band in the fall and concert band in the winter and spring. There might be two concert bands based on ability levels. Placement into these groups would be determined by an audition. The band will perform in a series of concerts throughout the school year. *NOTE: Students signing up for band must sign up for BOTH SEMESTERS. Due to preparation needed and supplies purchased in advance, requests for schedule changes will not be honored unless extenuating circumstances exist.*
Grade level offered: 9-12 **Prerequisites:** As stated above **(VPAA)**

MISCELLANEOUS

870 Dual Enrollment

Students who want to take a course not offered at the high school may qualify to take college courses. Refer to the policy found on page 6 for further requirements.

Grade levels offered: 11-12 **Prerequisites:** See requirements on page 10. **Credit:** 0.5 for each period of high school day it replaces.

875 Peer to Peer (LINKS)

Peer to peer Course Credit Programs represents one model of 21st Century instructional design that incorporates applied (experiential) learning in a non-traditional manner. A peer to peer program is a strategy for providing ongoing support and modeling from one non-disabled pupil to a pupil with an individualized education program (IEP). It encompasses both the academic and social domains. Benefits are derived by both pupils. (Michigan Department of Education, Pupil Accounting Manual, November, 2012)

Grade levels offered: 11-12 **Prerequisites:** Application and Interview Process



North Branch Early College

The North Branch Early College —is a five-year high school program that provides the opportunity for high school students to earn substantial college credit along with their high school diploma. Upon completion of their fifth year, students will graduate high school with one of the following:

- An Associate Degree
- The Michigan Early/Middle College Association (MEMCA) Technical Certification
- Up to 61 Transferrable College Credits

North Branch High School is proud to offer the North Branch Early College Program to provide high school students with an increased opportunity to complete transferable college credits while still in high school. Bridging the gap between high school and college, the NBEC provides students with a defined pathway towards both high school graduation and earning up to two years of college credit or an associate degree in grade 13 from one of our higher education partners (Baker College, Mott CC, Rochester University and Washtenaw CC).

Students in their sophomore year (10th grade), are eligible to apply during the spring semester. Once enrolled, students take classes at both North Branch High School and college classes at the Lapeer County Educational Technology Center during their Junior and Senior years. As members of their Early College cohort, students may go through high school commencement with their classmates in 12th grade, but then stay on for an additional year to complete a full schedule of "13th grade" classes, including one final high school class and their college credits to earn their degree or certificate. Classes in the additional year will be taken on the campus of one of our four college partners.

In this program, students work simultaneously toward their high school diploma and their associate degree. There is no cost to the students for the college tuition, fees, or books. Students in early college programs often go on to complete their bachelors' degree studies at a four-year college or university.

Currently, North Branch High School hosts two early college experiences. In the traditional Early College experience, our students take 3 HS classes at NBHS and college classes at our Ed-Tech center for the remaining 3 hours. In our CTE Blend experience, our Ed-Tech students remain at the Ed-Tech center for an extra hour each day to take college classes and return to NBHS for two HS classes.

This unique and exciting opportunity offers:

- Three year-accelerated program for grades 11-13
- High school classes plus college courses
- College campus experience
- Seminar on Success – A required seminar course designed to help HS students become college ready
- High school diploma
- Up to 60 transferable credits and/or an Associates Degree or recognized certificate
- All fees and costs paid by North Branch Area Schools

The college credits earned in the program may also be transferable towards an undergraduate degree from a four-year college or university. Students who take college courses and are full time students at NBHS, including 5th year students, will have no fees associated with the college courses taken.

The Michigan Department of Education requires all students in early/middle college programs to complete their requirements for high school graduation and one of the following; an associate degree, or sixty (60) transferable college credits, or a MEMCA Technical Certificate.

For students who are unable to earn an associate degree or who earn fewer than sixty credits, a MEMCA Technical Certificate will be awarded along with the high school diploma once a student has completed:

- The state of Michigan High School Merit Curriculum
- A minimum of 15 college credit hours in a combination of 100-level general education and technical training courses with a cumulative GPA of 2.0 or higher.
- 100 hours of verified community service or a minimum of 40 hours of verified career exploration, internship, job shadowing, or clinical experience.

Eligibility

- Students apply in spring of their 10th grade year and begin NBEC classes in fall of 11th grade.
- Must meet Baker College enrollment guidelines
- Desire to complete college credits before high school graduation
- Good work ethic and motivation to succeed
- Committed to completing the Early College Program
- Desire to earn up to two years of free college tuition

While enrolled as part of the North Branch Early College program, students have a combined high school and college experience that is truly the "best of both worlds." They participate in prom, sports, senior year activities and high school commencement just like the rest of their class, but they also receive and Baker College student ID and are eligible to take part in college student activities, too.

For more information please contact NBHS Counseling Department.

NOTE: Under the Postsecondary Enrollment Options Act (PA 160 of 1996) Michigan school districts **MUST** charge a student if the student does not successfully complete a college course provided by the district. Students and parents should understand that following the last day of the official registration period of a semester, typically the end of the first week of class, the student and parent are responsible to **repay all costs** associated with the courses the student is enrolled in and does not successfully complete. This includes any courses a student drops after the official registration period or does not earn a passing grade.



UM-FLINT DUAL ENROLLMENT EDUCATIONAL PARTNERSHIPS (DEEP) PROGRAM: DUAL ENROLLMENT

MCAP - Medical Careers Accelerated Program (13 CREDITS)

Program Description: To prepare capable and interested high school students for futures in medical-related professions, a collaborative program has been designed by the University of Michigan Flint and the Lapeer County Education and Technology Center. The courses offered in this program are taught by UM-Flint faculty and are managed by the College of Arts & Sciences at UM-Flint.

A cohort of no more than 25 students is anticipated; the students will be enrolled in all five classes offered during the academic year.

Qualifications: Selected high-ability, highly motivated senior students from the six public high schools in Lapeer County will be eligible to enroll in the M- CAP program. A selection process and criteria will be developed by the school districts in cooperation with the Education & Technology Center and UM-Flint. Applicants are expected to have an interest in post- secondary study in a medical career.

- Successful completion of 3 years of HS English
- Successful completion of 1 year of HS Biology (AP or Honors or close equivalent course that covers genetics at an introductory level
- Concurrent enrollment in mathematics coursework beyond Algebra II
- A record of excellent attendance in high school courses

Dual Enrollment: Students who participate in this program will be dual-enrolled in their home high schools and UM- Flint. Credit earned will be recorded on official UM- Flint transcripts as regular UM-Flint courses. Students completing the program will earn a total of 13 UM-Flint credits, applicable to degree programs at UM-Flint and other institutions.

FALL SEMESTER

HCR 206- Health Sciences Applications (2 Credits) Introduction to a wide range of topics in health science with demonstrations of how basic scientific concepts can be applied to solving problems in the field. Hypothetical thought experiments stimulate students' interest in pursuing health careers.

Bio 113- Principles of Biology (4 Credits) Introduction to basic principles of biology relating to cell structure and function, cell reproduction, and mechanisms underlying patterns of inheritance, ecology and evolution, emphasizing guided discovery and critical thinking.

WINTER SEMESTER

PHL 168- Philosophy of Bioethics (3 Credits) Introduction to classical ethical theories and their application to contemporary bioethical issues, such as neuroethics, ethics of nanotechnology, stem-cell research, bioterrorism, cloning as well as a broad range of health care issues such as health system reform, international health research, social inequalities in health and the allocation of scarce resources.

BIO 328- Genetics (4 Credits) Principles of inheritance from molecular through population levels. Gene action, cytoplasmic inheritance, parthenogenesis, mutation, and homeostasis.

PRE-ENGINEERING (13 credits)

Program Description: To prepare capable and interested high school students for a future engineering career, a collaborative program has been designed by the University of Michigan-Flint and Lapeer County ISD Education and Technology Center. This pre-engineering program started in the Fall of 2008 and is managed by the Computer Science, Engineering Science and Physics Department of UM-Flint. The series of four courses is taught by UM-Flint faculty.

Qualifications: Selected high-ability, highly motivated senior students from the six public high schools in Lapeer County will be eligible to enroll in the class. Students should be interested in post-secondary study of engineering. In order to qualify for this program, interested students are expected to:

- Be enrolled in Calculus and AP Calculus in their home high schools
- Have either completed or be enrolled in high school physics
- The program is limited to 25 qualified students

Dual Enrollment: Students who participate in this program will be dual-enrolled in their home high schools and University of Michigan-Flint. Credit earned will be recorded on official UM-Flint transcripts as regular UM-Flint courses. Students completing the program will earn a total of 12 University of Michigan-Flint credits, applicable to degree programs at UM-Flint and other institutions.

FALL SEMESTER

CSC 174- Programming and Problem Solving for Engineers (3 credits). Introduction to problem solving using both MATLAB. Basic procedural programming concepts including input/output, branching, looping, functions, file input/output, and data structures such as arrays and structures. Basic linear algebra concepts

such as matrix operations and solving sets of equations, and numerical methods such as least squares solutions and their use for curve fitting.

EGR 165- Computer Aided Design (3 credits) Technology. The goal of this course is to familiarize engineering students with fundamental principles of computer aided design and perform basic engineering analysis, such as stress and deflection using solid modeling and parametric design using Pro-Engineer software.

WINTER SEMESTER

CSC 175- Problem Solving and Programming I (4 credits). Introduction to problem solving and programming principles appropriate for scientific and technical applications. Development of step-wise refinement and program decomposition methods. Programming language concepts including iteration, selection, input-output protocols, arrays, structures and subprograms. Programming language used is C++.

EGR 102- Introduction to Engineering (3 credits). Technology. This course introduces students to various engineering disciplines, and common engineering science foundations of all branches, teaming, ethics, and communication. Fundamental principles of various engineering disciplines will be taught using one central problem from each discipline.

CAREER AND TECHNICAL EDUCATION (ED-TECH)



The Lapeer County Educational and Technology Center located in Attica offers 19 programs, which provide students with marketable skills upon high school graduation. Brochures describing each program are available in the counseling office. Additional information may be obtained by calling

the Ed-Tech Student Services Center at 664-1124.

Third and fourth year students are permitted to attend the Educational and Technology Center. Students attend either morning or afternoon sessions (no choice) at Ed-Tech, and also have three hours of regular classes at the home school. Ed-Tech programs are three class periods in length and grant 1.5 credits per semester. Students accepted to attend the Educational and Technology Center would still be eligible to participate in school activities and athletics, and will receive a diploma from NBHS upon graduation. Requirements for graduation remain the same for students enrolled in an Ed-Tech program.

Students who plan to attend Ed-Tech should:

- Take the required courses needed for graduation
- Attend the Ed-Tech orientation seminar and tour given by the counselors during 10th grade
- Apply for admission to the Ed-Tech Center in the counseling office during 10th or 11th grades
- Follow the transportation policy of Lapeer Community Schools.

900 Auto Body and Collision Repair

The Auto Body and Collision Repair Program is an ASE/NATEF Certified Program. Auto Body and Collision Repair program teaches students the fundamentals of re-finishing, replacing and repairing damaged auto body panels and is a NATEF, National Automotive Technicians Education Foundation and ASE, Automotive Service Excellence certified program. Students learn to properly use tools and equipment needed for each job and to develop safe working practices and habits. Instruction uses hands-on techniques and current industry technology. Foundation skills include auto body construction, welding, metal finishing, proper use of plastic fillers, plastic bumper cover repairs, priming and refinishing, basecoat and clear coat, buffing and polishing, detailing, estimating, vehicle repair, and 12 volt Electrical. Students achieve standards required in today's collision repair industry. The foundation knowledge gained here sets students on the path for employment and for acquiring ASE (automotive service excellence), I-Car, and NATEF (National Automotive Technicians Education Foundation) certifications.

(MathR) (VPAA) (Science)

905 Diesel Technology

The Diesel Technology program prepares students for high skill, high wage careers in diagnosis, service, repair and maintenance of diesel engines, electrical systems, and brake systems of light, medium and heavy-duty trucks. First year students study preventive maintenance to learn the systems and progress to engines and basic electrical. Second year students work on air and hydraulic brakes, advanced diesel and electrical systems. The Diesel Technology program studies how alternative energy systems work and how they might be applied to the heavy truck industry. Upon completion, students will take the State Mechanic License tests. Students can participate in SkillsUSA, a student organization that promotes leadership and job skills. **(MathR) (Science)**

910 Agriscience / Horticulture

The Agriscience program offers a comprehensive animal or plant science program. In the Animal Science program, first year students cover basic animal anatomy and physiology, as well as caring for the animals in our Animal Center. Second year students may choose to complete an on-line veterinary assistant program, a college-level course in preparation for employment in the veterinary field or further study in veterinary medicine. Second year students may also work with the instructor to create an individualized program, such as Natural Resources or Advanced Animal Management, specific to the student's interests. Plant Science offers one or two years of plant biology and propagation experience, and specialization in several horticultural areas including floriculture which includes floral design and greenhouse production, crop science which is planting, growth, pest and disease management and nursery-landscape, including design, growth and installation of landscape, plants and materials. The National FFA Organization provides opportunities for leadership and skills competitions, and emphasizes public speaking, debate and demonstration of agriscience career proficiency. We have a commercial greenhouse operation, and working retail floral shop on premises, allowing students a real-world working experience. **(MathR) (VPAA) (Science)**

915 Automotive Mechanics

Automotive Mechanics program is a NATEF, National Automotive Technicians Education Foundation certified program which provides basic automotive instruction in the field of automotive repair. The State of Michigan requires all working automotive technicians to be licensed in the areas for which they are employed. Successful completion of the class will prepare students to take four out of the eight State of Michigan certification tests. The four areas of Michigan State certification we cover are: Engine Tune-up and Performance, Suspension and Steering Systems, Brakes and Braking Systems and Electrical Systems. First year instruction encompasses basic skills of auto maintenance such as oil changes, tire rotation, belts and hoses, the use of the hoist and safety practices. First year students also focus on the Braking System in preparation for their first State Certification test. Second year students broaden their topics of study to include engine tune-up and performance, suspension and steering, and electrical systems in preparation for other State certifications. We offer an innovative mix of instruction along with hands on experience providing curriculum that is designed to prepare students for employment and success in the automotive repair field. **(MathR) (Science)**

920 Construction Trades

Construction Technology program students will learn how to safely operate hand and power tools for jobs in carpentry, masonry and construction management. Students will take the skills that are learned while creating in-shop modules and apply them to on-site construction of homes. They will learn the basic math skills needed to estimate material and cost lists of projects, and study the essentials of entrepreneurship. Students will also have the opportunity to participate in regional carpentry and masonry competitions. The practices learned in this program will prepare students for long term advancement in the construction industry and will benefit them in their personal life as well. Upon completion, students may choose to secure a job in commercial or residential construction or advance to a postsecondary school to pursue a degree in construction, project management or enter into an apprenticeship program in a trade school. **(MathR) (VPAA) (Science)**

925 Computer Aided Drafting and Design (CAD)

Computer Aided Drafting and Design (CAD) program is a technical, hands-on, visual curriculum for students who like drawing, creating and designing. Utilizing advanced computer graphics, students will draw 2D and 3D objects while using extremely powerful and sophisticated software. Each student will have the opportunity to choose a pathway along the ARCHITECTURE, ANIMATION or the MECHANICAL DESIGN curriculum.

The course features 3D modeling programs such as Inventor, AutoCAD, 3DS MAX, and Architectural Revit. Knowledge gained within the CAD program curriculum will help prepare you for a well-paying, high demand career in architecture, animation, and in all areas of engineering. There are also opportunities in film animation, teaching, business, and interior design. Students will finish this program with entry level job skills. Students in the CAD Program will be setting a good foundation to move onto higher level education. The Education and Technology Center has articulation agreements with many colleges and universities enabling students to gain college credits for completing these courses. **(MathR) (VPAA) (Science)**

930 ITnet

The ITnet (formerly Computer Networking) program utilizes the Cisco Networking Academy curriculum to prepare students for exciting careers in Information Technology, commonly referred to as IT. Students will have access to expert, educational IT content and to a rich learning experience through online media. Engaging activities include animated simulations, videos, and interactive quizzes, along with valuable hands-on lab exercises for real world experience.

Students in ITnet receive exposure to many different career areas including:

- Computer Repair - The Cisco Networking Academy's IT Essential course gives students basic computer repair knowledge and skills, which prepares them for the CompTIA A+ industry certification and entry-level computer support careers.
- Computer Networking - To prepare students for Cisco's CCENT & CCNA industry certifications and entry-level networking careers, we utilize the Cisco Networking Academy CCNA courses. These courses give students a foundation in basic routing and switching for wired and wireless networks.
- Computer Programming - Students will learn the fundamentals of coding, using Python, Java, and C++ programming languages. This gives them a start towards entry-level programming careers.

We have several other more specialized supplemental courses available for individualized learning:

- Linux - The Linux course covers the basics of installing, maintaining, and troubleshooting the open source Linux operating system.
- VoIP -The Voice Primer course introduces the concept of voice on a data network.
- Cloud - The Cloud Primer course introduces cloud computing and helps students to understand the data center evolution.
- Security - The Introduction to Cybersecurity course provides an introduction to trends in cybersecurity and highlights the need for a skilled security workforce.

The more certifications an individual earns, the more marketable they become in the industry. Our program offers a great jump-start to a future in IT as well as preparing students for entry-level positions upon graduation.

- Computer Service and Repair

Second year ITnet (formerly Computer Networking) students offer computer service and repair to the community for a donation. This is a unique opportunity for students to gain real world experience. See our flyer for more information.

(MathR) (VPAA) (Science)

935 Culinary Arts

Culinary Arts/Hospitality program prepares students for employment in the fastest growing industry in the nation. Students will learn the basics of food preparation with a focus on nutrition, proper cooking techniques, safety and sanitation and cutlery skills. Technical knowledge is concentrated on "classical French cuisine". Hot and Cold food competitions and monthly buffets increase students' comfort level with commercial kitchen equipment while improving teamwork and employability skills. This is a two-year program that keeps pace with the changing trends of the industry. Instructors stay abreast of the ever- changing cuisines and the program is paced to the individual. Students are encouraged to experiment on their own in the kitchen. College bound students receive a head start through this program by earning college credits through articulation with Baker College, Mott Community College and Ferris State University. They will also have an opportunity to get national certification in sanitation, which will carry over as credit to all culinary colleges. Culinary Arts/Hospitality program training leads students to employment as an entrepreneur, corporate or restaurant chef, caterer, and many other career opportunities. **(MathR) (VPAA) (Science)**

940 Cosmetology

Students in the Cosmetology program will train to become licensed by the State of Michigan in Cosmetology or Nail Technology in this hands-on program. This is a two year (1500 hour) program which requires summer and Saturday hours. Students will learn such things as: cutting, coloring, permanents, skin care, nail care, styling, retailing, salon management, and customer service. Instruction includes development of applied mathematics, chemistry, anatomy and record keeping. Training is achieved in a real working environment with emphasis on hygiene, sanitation and customer relations. Students learn how to help people look and feel their best while growing their communication skills. Students will also learn to adapt and apply their craft to a diverse public and hone skills that are necessary to enter the workforce in the beauty industry. Cosmetology graduates may move on to employment as hairstylists, salon managers, sales representatives and image consultants.

(MathR) (VPAA) (Science)

945 Careers in Education / Teacher Cadet

The Careers in Education program is two year curriculum that takes the first steps towards a variety of careers in the education world. It gives students the opportunity to explore different career options that are available in the educational system. The curriculum will explore the theories of human development and the various stages of children from birth through their teen years. This class will focus on the history of education in the United States and how schools impact society. Students will explore and analyze both the positive and negative aspects of various employment opportunities including potential job openings, areas of shortages, earnings, advancement options, licensing requirements, expectations, applicable law and more. Students will learn about all types of learners, how they change physically, cognitively, emotionally, and socially, and how that impacts the way they are taught. Students will also learn how to design an instructional plan, choose teaching strategies, and create an effective learning environment.

(MathR) (VPAA) (Science)

950 Robotics and Mechatronics

There is a demand for multi-skilled technicians in today's industry. The Mechatronics program is designed to meet these industry needs. Mechatronics is the synergy, or blending, of multiple engineering disciplines. In the Mechatronics program students will learn the competencies necessary to meet the demands of industry that require technicians to be multi-skilled in several areas including robotics, electronics/electrical, mechanics, pneumatics, and programming. Students will be given the opportunity to learn how to read schematics, wire and install fluid circuits, develop logical processing and troubleshooting skills through theory and hands-on applications. Students who are interested in careers in industrial settings and hands-on applications will learn the basic concepts necessary to design, build, maintain, troubleshoot and integrate robots and other automated systems.

(MathR) (VPAA) (Science)

960 Digital Media Arts

Digital Media Arts program offers high school juniors and seniors a chance to explore the many opportunities available in the exciting and changing field of digital media. During the two-year program, students will have an opportunity to explore the many opportunities in Digital Media Arts, including: Audio and Video Production; 2D Video Animation; Graphic Design, Web Design and Development, Flash Animation, and Photography. Combining computer skills with personal creativity, the Digital Media Arts program gives students the basic skill set for a career and sets a foundation for future learning at the college level. Students learn communication and teamwork skills by working on larger projects with group members. Students also have their own individual challenges that are included in their portfolio upon completion of the class. Field trips, job shadowing, guest speakers and business partnerships help bring the workplace to the classroom in the Digital Media Arts program. We offer Adobe Certified Associate (ACA) and Adobe Certified Expert (ACE) certifications, along with CIW Site Design Specialists.

(MathR) (VPAA) (Science)

955 Medical Careers

In this two-year program, first year students will focus on the foundation and skills necessary for all health-related careers. They will explore the various careers and professions within the medical or health care field as well as focus on medical terminology and anatomy and physiology. Second year students will gain knowledge and skills in core curriculum areas that could lead to certifications and credentials in:

- EKG technician
- Physical Therapy Aide

- Occupational Therapy Aide
- Dental Assisting
- Pharmacy Technician
- Phlebotomy

(VPAA) (Science)

956 Nursing Careers

In this two-year program, first year students will focus on the foundation and skills necessary for all health-related careers. They will explore the various careers and professions within the medical or health care field as well as focus on medical terminology and anatomy and physiology.

Second year students will gain knowledge and skills in core curriculum areas that could lead to certifications and credentials in:

- Certified Nurse Assistant (CNA)
- Home Health Aide
- Medical Assisting
- Patient Care Technician

(MathR) (Science)

965 Mechanical, Electrical and Plumbing

Residential Electrical, Plumbing & HVAC program trains students in residential electrical, house wiring and industrial motor control. HVAC (Heating, Ventilation, Air Conditioning and Refrigeration) includes basic electrical, heating equipment installation, sheet metal fabrication and installation, air conditioning installation and refrigeration theory. Students master core instruction and move into trade-specific and advanced training to learn to design, adjust, repair, install and/or sell in areas related to electrical, plumbing, and HVAC. Instruction is delivered in a hands-on environment, working in small groups or independently, utilizing self-paced materials that offer a wide variety of activities. Students occasionally work on a construction site, performing real job tasks related to their area of training. Co-op and work experience are integral to the program's training methods. Also, students can participate in SkillsUSA, a student organization that promotes leadership and job skills.

(MathR) (Science)

970 Welding and Machining Technology

The Welding & Machining Technology program offers students the opportunity to develop a thorough understanding of metal forming technology through precision metal machining and arc welding. Students advance in life training through Applied math, technical communication, employability skills and teamwork. Technical skills are presented in precision measuring, blueprint reading, safety, torch cutting. Students become proficient in various welding processes such as MIG, TIG, gas and other arc welding processes. Other essential industrial and manufacturing skills taught are fabrication, manual lathe, CNC machining, surface grinding, manual milling, troubleshooting & problem solving. There is opportunity for work co-op in local private industry and exciting student competition through Skills USA and MITES, the Michigan Industrial and Technology Education Society. Competitions are fun, increase motivation and are a great opportunity to get ready for industry. This program also offers AWS, the American Welding Society, industry welder's certification testing. Certification distinguishes the student and makes them more marketable in the industry. Our program offers a great jump-start to further education with a future in many industrial fields as well as preparing students for entry level positions upon graduation.

(MathR) (VPAA) (Science)

975 Public Safety Careers

Public Safety program is for students interested in law enforcement, firefighting, corrections, EMS, or 9-1-1 dispatch. Students can be certified in CPR/First Aid, Medical First Responder, Emergency Services Dispatcher, Workplace Safety. Students explore careers in the public safety area through hands-on training, field trips, in-class exercises and job shadowing with local area agencies. This course strives to instill integrity and ethics and challenges students to achieve. It is intended to set a good foundation for those looking to follow a career in public safety and gives them insight into those chosen careers. This program is a good compliment to the Lapeer County Sheriff's Department Explorer Program. Students qualify for up to 13 college credits at select schools.

(MathR) (Science)

980 Power Sports and Equipment

Recreational Vehicle Repair program prepares students to service and repair two- and four-cycle gasoline engines and controls on motorcycles, snowmobiles, outboard motors, chain saws, ATVs, lawn equipment, and personal watercraft. The Recreational Vehicle Repair program incorporates a factory type service setting in a workshop style classroom. Students can further their knowledge from instructors that are enthusiasts as well as industry trained. . The Recreation Vehicle Repair program is an EETC test site and students can test for EETC certification. Equipment and Education Training Council is a national certification set by industry manufacturers that certifies technicians to work on small engines and is valued highly by employers. This program also helps prepares students for the State of Michigan Master Motorcycle Mechanics certification. Recreational Vehicle Repair is very project driven and designed to let the student work and learn at the same time. The Recreational Vehicle Repair program experience along with certification gives student graduates an excellent chance of securing an entry-level recreation vehicle repair career job. **(MathR) (Science)**

985 Marketing and Entrepreneurship

In Marketing and Entrepreneurship, students will be creating virtual businesses that will compete with over 5,000 other student-driven virtual businesses around the world. Their class period will be utilized to complete the daily tasks that are necessary to run a business. Students will learn business and marketing basics. This includes all activities related to moving a product from manufacturer to final customer. Students gain realistic professional experience through membership in DECA, an international association of high school and college students studying marketing, management and entrepreneurship in business, finance, hospitality and marketing sales and service. DECA is co-curricular and designed to increase a student's understanding of marketing principals, leadership skills, personal and professional development. Skills and knowledge learned in class and through DECA are put into practice through the School Store: The Bodega Gift and Snack Shop. Field trips, guest speakers and Co-Op (work experiences) expose students to the "real world" of business and marketing. **(MathR) (Economics) (VPAA) (Science)**

SPECIAL EDUCATION COURSES/PROGRAMMING:

Courses and programming for students with an IEP will continue to be offered based on student needs and IEP goals.

Vocational Independence Program (VIP)

This program provides students with disabilities exposure to a variety of employment positions in order to gain entry level skills and career exploration opportunities. Local businesses play a vital role assisting students to be trained and ready for the workforce upon completion of school. This is open to juniors and seniors only.

Moderately Cognitive Impaired (MoCI) Program

A Moderately Cognitive Impaired (MoCI) program is offered at North Branch High School. Placement into this program is determined a student's IEP.

Reading Lab

Students in Reading Lab will have the opportunity to participate in the Adolescent Accelerated Reading Initiative. AARI is an intensive intervention that facilitates the development of reading comprehension and critical thinking through informational text. AARI accelerates reading through instruction built around:

- Community
- Text-Based Inferencing and Critical Thinking
- Question Answer Relationship (QAR) and Questioning the Author (QtA)
- Text Structure

AARI seeks to support the development of the students' identity as a reader, empowering them in all aspects of their lives. Enrollment concurrent with grade level English requirement.