PULASKI HIGH SCHOOL

2017 - 2018

Course Description Book

TABLE OF CONTENTS
GENERAL INFORMATION

Message from the Principal....Page 2
District Philosophy....Page 3
Public Notification of Nondiscrimination Policy....Page 4
Staff Information....Page 5
Graduation Credit Requirements....Page 6
Attendance Requirements....Page 7
Miscellaneous Information Affecting Student Curriculum....Page 7
Course Withdrawal Policy....Page 8
Preparing for University Admissions....Page 10
Preparing for Technical College Admissions....Page 10
Military Academies/Enlistment....Page 12
Youth Options....Page 13
Course Options....Page 14
Special Education....Page 15
P.E.A.K....Page 16
Grade Indexing....Page 17
Advanced Placement, College Credit, Advanced Standing and Transcripted Courses....Page 18

COURSE DESCRIPTIONS

Agricultural / Life Science & Natural Resources....Page 25
Art....Page 33
Business and Information Technology Education....Page 37
English....Page 41
Family and Consumer Science....Page 47
Mathematics....Page 53
Music....Page 58
Physical Education & Health....Page 62
Science....Page 67
Social Studies....Page 71
Special Education....Page 77
Technology and Engineering Education....Page 82
World Languages....Page 92
Youth Apprenticeship....Page 96

Cover Design by....Sophia Sperduto

Dear Students and Parents,

The Course Description Book can be extremely helpful as a plan for graduation. In a highly competitive environment, students will have an edge if they have a **good plan of action**. One of the first things students should do is develop a four-year plan to get them successfully through high school. While doing so, please be aware of graduation requirements for your class (see page 6 for details). Many options exist for students after high school including entrance into two to four year colleges, the military, or the work force.

Whichever option is chosen, the decision should be made jointly by the parents and students in consultation with members of the PHS Staff. Your counselor, teachers and administrators are all good resources that can be valuable in helping you in the decision making process. Consideration should be given to personal goals along with a review of the student's past academic record. The final choice, however, will be left to the student and parents. In addition, we will work with you if you decide to change your plans or have any questions. Because of its obvious importance, the scheduling process should be taken seriously and course selections carefully contemplated.

The Course Description Book contains a brief summary of courses along with the recommended sequence for taking them. Most students who succeed do so because they have a good plan. This process is very much like a journey out of the state or country. The chances of getting to the destination and back on time and in good health depend on the amount of time and effort spent on planning the trip. So it is with the educational and career plan. **Please invest on planning time now in order to reap major opportunities later.**

Much can be learned and many opportunities to create wonderful memories are available during the four years of high school. It is a unique time that will not be repeated. **Make the most of it.** On behalf of the entire staff at PHS, we wish for you a productive and fulfilling high school experience.

Please let any of us know if we can be of assistance.

Jeremy Pach	Nicole Borley	Lindsey Mathys	Janel Batten	Ryan Mentink
Principal	Associate Principal	Associate Principal	Athletics	Activities

PULASKI COMMUNITY SCHOOL DISTRICT EDUCATIONAL PHILOSOPHY

We believe that a community's and a nation's greatest resource is its people, especially the students of our schools. At the Pulaski Community Schools, the student is the nucleus of the school system and our education decisions are guided by what we consider to be best for every student. We maintain that the student should be given every reasonable opportunity to realize his/her best self.

We are now, and should continue to be, a school offering the student a second, third and fourth chance. This means that every available alternative will be explored to help the student grow academically and develop in self-control. Each new opportunity in the area of discipline will be designed to encourage the students to accept responsibility for their actions. New alternatives in the area of academics will be explored, when necessary, to satisfy the students needs and interests.

It is our belief that our curriculum should serve the needs, interests and abilities of the student population and promote the mental and physical health of the student. It should instill a pride in heritage and a sense of responsibility, and provide the proper information, emphasis and perspective for learning to live a successful life in our local community as well as the nation and the world.

Our educational system should help each student increase his knowledge, build greater understanding, and develop social attitudes and acceptable behavior to prepare him/her to be a contributing member of society. We feel that our curriculum must have a wide enough scope to prepare the college bound student, the vocationally oriented student, as well as the student who will seek a job upon graduation.

Our belief is that the Pulaski Community Schools should focus not only on its children, but it should also provide the adult members of the school district the facilities and services to continue their education. A school and community that work closely together can use the students, faculty and administrators to evaluate the assets, needs and possibilities of the community and help provide direction for its growth. The community becomes a true learning laboratory.

We believe that the schools are the thread that binds the people of the community together. The name, Pulaski Community Schools, reflects the close ties between the schools and the people of its district. An active participation by the schools in the community and the community in the schools can help make education real and meaningful for all involved.

PUBLIC NOTIFICATION OF NONDISCRIMINATION POLICY

(Class 1 Legal Notice to be published in area newspaper at least once annually.)

It is the policy of the Pulaski Community School District that no person may be denied the benefits of, or be discriminated against in any curricular, extra-curricular, pupil service, recreational, or other program or activity based on traits of sex (including transgender status, change of sex, or gender identity), race, color, national origin, religion, creed, ancestry, marital or parental status, sexual orientation or physical, mental, emotional or learning disability, or any other characteristic protected by Federal or state civil rights laws. . This policy does not intend to prohibit the provision of special programs or services based on objective standards of individual need or performance to meet the needs of pupils, including gifted/talented, special education, school-age parents, bilingual, bicultural, at risk, and other special programs or programs designed to overcome the effects of past discrimination. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972(sex), Age Discrimination Act of 1975, Title IV of the Civil Rights Act of 1964 (race and national origin), and Section 504 (handicap) of the Rehabilitation Act of 1973.

All District career and technical education opportunities will be offered to students on a nondiscriminatory basis. Information regarding such program offerings and admission criteria is included in the school course description book which is posted on the District website, www.pulaskischools.org and available upon request from the school counselor office.

Children of homeless individuals and unaccompanied homeless youth (youth not in the physical custody of a parent/guardian) residing in the District shall have equal access to the same free, appropriate public education, including comparable services, as provided to other children and youth who reside in the District. Homeless children and youth shall not be required to attend separate schools or programs for homeless children and shall not be stigmatized by school personnel.

The District shall provide appropriate educational services or programs for students who have been identified as having a handicap or disability, regardless of the nature or severity of the handicap or disability. The District shall also provide for the reasonable accommodation of a student's sincerely held religious beliefs with regard to examinations and other academic requirements. Requests for religious accommodations shall be made in writing and approved by the building principal.

The District encourages informal resolution of student discrimination complaints. A formal complaint resolution procedure is available. To address allegations of violations of this policy in the Pulaski Community School District or ask any questions concerning Section 118.13 Wisconsin Statutes, or Title IX of the Educational Amendments of 1972 which prohibits discrimination on the basis of sex, complaints or concerns should be directed to:

Director of Student Services
Lisa Misco
Pulaski Community School District
P. O. Box 36
Pulaski, WI 54162
(920) 822-6020

WHO SHOULD I CALL WITH QUESTIONS?

Student Services

Counselor-"A-He"	Leah Grant	822-6725
Counselor- "Hf-P"	Sara Diehlmann	822-6725
Counselor-"Q-Z"	Katrina Mayer	822-6725
District School Counselor	Paula VanDerLinden	899-0432
Advanced Placement Coordinator	Dan Anderson	822-6891
School Nurse	Bernadette Dervish	822-6027
School Psychologist	Christy Glysch	822-6030
High School Main Line		822-6700

Administrative Services

Superintendent	Bec Kurzynske	822-6001
Principal	Jeremy Pach	822-6708
Associate Principal	Nicole Borley	822-6715
Associate Principal	Lindsey Mathys	822-6715
Athletic Director	Janel Batten	822-6706
Activities Director	Ryan Mentink	822-6755
Director of Business Services	Jill Bodwin	822-6010
Human Resources Director	Tom Krause	822-6006
Director of Learning Services	Jenny Gracyalny	822-6018
Director of Student Services	Lisa Misco	822-6020
Assistant Director of Student Services	Nicole Borley	822-6715
Interim Director of Information Technology	Amy Uelmen	822-6073
Instructional Technology Coordinator	Amy Uelmen	822-6078

GRADUATION REQUIREMENTS- CLASS OF 2018 & BEYOND

Minimum Credit Requirement Implementation
Class of 2018 and beyond: 24 credits

Credits	Curriculum Area	
4	**English**	
	a. English 9Y, English 9, or Advanced English 9	1.0 credit
	b. English 10Y, English 10, or Advanced English 10	1.0 credit
	c. English 11Y, English 11, or Adv. English 11 and Writing Elective*	1.0 credit
	d. Reading Elective* and Other English Elective	1.0 credit
	*Required to take Writing & Reading Electives	
3	**Mathematics**	3.0 credits
3	**Social Studies**	
	a. Civics (Social Studies I)	1.0 credit
	b. World History (Social Studies II) or AP European History	1.0 credit
	c. U.S. History (Social Studies III) or AP U.S. History	1.0 credit
3	**Science**	
	a. Biology or Applications in Biology	1.0 credit
	b. Elective Science Courses	2.0 credits
1.5	**Physical Education** Freshman Physical Education Required	1.5 credits
0.5	**Personal Financial Management**	0.5 credit
(0.5)	**Health** Applies only to students who have not successfully completed this course or its equivalent in grades 7 or 8, in accordance with Board of Education Policy IKFA.	(0.5 credit)
9.0 (8.5)	**Electives**	
24	**Totals**	

All credits earned through the Pulaski High School curriculum will apply toward graduation. Credits also may be earned from alternate sources or during alternate times and be applied toward graduation with the **PRIOR** approval of the Pulaski High School Principal.

Minimum Attendance Requirements

I. Eight semester, grades 9 through 12, regardless of credit status. Attendance must be on a full-time basis through the eighth semester.

II. Exceptions to attendance requirements must be approved by the Board of Education upon the recommendation of the high school principal or designee. The procedure for requesting early graduation follows:

- A. The student and parents/guardians schedule a meeting with the high school principal or designee. The request is discussed at the building SAT meeting.
- B. A request must be made in writing in the form of a parent/guardian letter, counselor letter, and student letter, all of which are turned in to the principal or designee. The counselor must also complete a transcript with a plan to show completion of graduation requirements.
- C. The Board, upon receiving all documents as stated in #2 above, will issue the final decision.

Exceptions to Curriculum and Attendance Requirements

Exceptions may be provided to a student who is part of an alternative educational program, is identified as a student with an Exceptional Education Need (EEN), or is a student involved in the G/T PEAK Program (see page 17). Students who enter or re-enter high school from home-based instruction may graduate after completing the requirements of Board of Education Policy JEGA.

Exception to Recommended Course Sequence

There exists a possibility that students may register for a course that does not follow the recommended course sequencing. Courses that fall within this category are labeled throughout the course descriptions book with a "#" sign. If interested in enrolling in a course of this type, please contact your PHS school counselor at 822-6725. Your counselor will work with you, your family and the department of the desired course(s) that you wish to enroll. Enrollment will be determined on a case-by-case basis.

Foreign Exchange Students

Foreign exchange students are not eligible to receive a high school diploma, unless the student has graduated from the home school and met all graduation and attendance requirements for seniors attending Pulaski High School.

Miscellaneous Information Affecting Student Curriculum

I. Terms.

- A. Elective Course: A course that a student can choose to take depending upon his/her future goals and interests.
- B. Prerequisite: Prerequisite, as used in this manual, means "requirement that must be met before a student may take a particular subject."
- C. Required Course: A course which must be taken and passed to satisfy graduation requirements.

II. Student Employment.

The school believes that a student's primary responsibility is to attend school. Time requirements for any job should not interfere with a student carrying a normal class load during the school day. In general, state law allows students 14-15 years old to work a maximum of 18 hours during a 5 day school week. Students 16 years or older have no limit to the hours they may work except they may not work during hours of required school attendance, *based on 2011 regulations*.

III. School Sponsored Work Experience Programs.

Students interested in participating in school sponsored work experience programs can do so in two ways:

A. Career & Technical Cooperative Education Programs for credit (see Course Descriptions).
B. Youth Apprentice Programs.

IV. Youth Apprenticeship (See Youth Apprenticeship Section).

Youth Apprenticeship offers opportunities for juniors and seniors in high school to prepare for a career while still in high school. One or two year programs combine academic education, occupational related coursework, and work-based learning with an employer.

As a sophomore or junior in good standing, a student completes an application. The Youth Apprenticeship Manager will contact the student for an interview and determine if they are admitted to the program. The Youth Apprenticeship Manager will assist the student in job placement and help connect them with potential employment opportunities. Students will have to interview with the potential employers. Upon acceptance as a Youth Apprentice, the student attends his/her home high school part-time, enrolls in career-related classes through NWTC, and works at a local business site during junior and/or senior year.

Apprenticeships are competitive and rigorous. Placement in the Youth Apprenticeship program is not guaranteed. It is the goal of Youth Apprenticeship to help prepare workers for the future.

V. Course Withdrawal Policy.

Students and parents should plan carefully when the course selection form is completed each year. Schedule changes will be limited to the conditions below and must follow the procedure outlined on the course drop form.

A. Students may add a class to their schedule within the first 5 school days of the start of the semester in which that class begins. Students may not add classes after this point.
B. Should a student request to drop a class, the following will go into effect:

1. First 10 school days- Students may drop a course with no recorded grade and the course will be deleted from the student's record.
2. 11 - 20 school days into the semester- Students may drop a course by completing the **STUDENT/PARENT INITIATED COURSE DROP FORM** with the following recourse:
   -The teacher will be required to determine the grade that the student has earned as of the date of the schedule change. The teacher will assign a Withdrawal Pass (WP) or Withdrawal Fail (WF).
   Withdrawal grades will be placed on the student's permanent transcript.
3. After 20 school days- Withdrawal from the class is not permitted.

VI. Failures.

Students are responsible for the re-scheduling of **required** subjects made necessary because of failures. Students who fail courses should set up an appointment with their counselor at the earliest opportunity to revise their schedule for the next semester or school year to include the failed **required** course. Required courses that have been failed should be rescheduled as soon as possible. For example, courses that were failed during the ninth grade should be rescheduled to be taken in grade ten. If one semester of a year long required course is failed, students should retake that semester. Since students have already earned credit for the semester that they passed, they may choose to audit that semester for no additional credit. Elective courses that have been failed may be retaken if desired. They are not required to be taken a second time. When a failed course is retaken, the course is listed on the transcript for each time the course was taken with the appropriate grade for each semester.
Students may be eligible to recover credit for certain required courses during the summer (rather than retake the whole course). Eligibility for credit recovery during the summer depends on final course percentage (minimum 50%), transportation to and from school during the summer, etc. Students who are able to recover credit for a course will receive a P (Pass) for the failed semester.

VII. Scheduling.

Registering for the correct courses is the responsibility of the students. Counselors make group presentations in classroom settings during registration time describing graduation requirements, course pre-requisites, and post-secondary school opportunities. Students who have further questions are encouraged to set up an appointment with their counselor for individual guidance about their schedule. All students complete course selection forms and parents are expected to review and sign the forms.

PREPARING FOR UNIVERSITY & TECHNICAL COLLEGE ADMISSIONS

Students planning to attend college must pay very careful attention to admissions requirements prior to selecting their high school courses. The requirements vary considerably depending upon the college or university that the student plans to attend and the major field of study that he/she plans to pursue. *It is essential that students and parents check specific college entrance requirements with their school counselors.*

High School Credit Requirements

High school course work should prepare you for college by helping develop strong skills in at least four areas - English, mathematics, social science and natural science. Two years of a world language are also strongly recommended for university admission.

All UW System institutions require a minimum of 17 core academic high school credits (one credit is equal to one year of study) distributed as follows:

Core Prep Courses	Description	Credits
English	Accepted English courses stress an understanding of composition, literature and rhetoric. Significant practice in reading, writing and speaking is expected in composition and rhetoric. Several campuses require that at least three of the four credits in English include composition and literature. Most regular and advanced English courses are accepted. Courses not accepted tend to be those that emphasize applied skills, performance or technical production.	4
Mathematics	Algebra, geometry and other mathematics courses requiring algebra or geometry as prerequisites are accepted. Most campuses require both algebra and geometry. In most cases, courses are not accepted in mathematics if they are taught prior to first-year algebra, do not have algebra or geometry as prerequisite or are computer classes. Courses in applied math are not accepted at some institutions.	3
Social Science	Courses accepted in social science include history, political science, geography and theoretical studies of culture, economics and human behavior and societies (such as psychology and sociology). Courses in applied social science are not accepted.	3
Natural Science	Courses accepted in natural science include biology, chemistry and physics. These courses emphasize theory and usually have a significant laboratory component. Other science courses often accepted include astronomy, earth science, geology and physical science. Courses in applied science are not accepted at some institutions.	3
Elective Credits	Elective credits are chosen from the core college preparatory areas above, foreign language, fine arts, computer science and other academic areas. Some colleges may require two credits of a single world language. Some campuses may accept career and technical education courses for a portion of these four elective credits.	4

It is impossible to list courses that are required by all institutions. Students and parents should work closely with high school counselors for admissions information for Wisconsin colleges and all out-of-state institutions.

The UW System Board of Regents approved a new Freshman Admissions Policy for students entering UWS campuses beginning fall 2008. The new policy provides for a comprehensive, individualized review of freshman applicants. The new policy provides criteria to be used in making admission decisions. Academic factors (rigor and quality of high school curriculum, rank in class, grade point average and test scores) will continue to be the most important consideration.

PHS does not rank. In addition, other factors that will be considered include, but are not limited to, student experiences, leadership qualities, motivation, community service, special talents, work experience, status as a non-traditional or returning adult, status as a veteran of the U.S. military, whether the applicant is socio-economically disadvantaged, and whether the applicant is a member of a historically under-represented racial or ethnic group.

A strong academic background in high school beyond the minimal college admissions requirements can be beneficial. In general, all 4 year colleges strongly recommend more than the minimal admission requirements. For the admissions requirements of a specific college see your counselor or contact the institution.

MILITARY ACADEMIES

Students seeking nomination to a military academy should be aware of entrance requirements and application deadlines.

MILITARY ENLISTMENT

A high school diploma is required for enlistment in all branches of the military. The Armed Services Vocational Aptitude Battery (ASVAB) test is also required.

Students not interested in a military career may still wish to take the ASVAB test to gain career information.

NCAA CLEARINGHOUSE – ATHLETIC DIVISIONS I & II

Athletes intending to compete in Division I and Division II colleges must complete the online NCAA Clearinghouse requirements. Information about the NCAA Clearinghouse is available in the Counseling Office.

PHS STUDENT SERVICES

For information on post-secondary options such as 2 or 4 year colleges, the military, apprenticeships or employment, or for information on paying for college and/or scholarships, please go to the PHS Student Services webpage via the high school web page.

Follow us on Twitter @ PHS_StudentServ

Like us on Facebook – Pulaski High School Counselor Connection

PULASKI HIGH SCHOOL YOUTH OPTIONS PROGRAM

The Youth Options program allows all public high school juniors and seniors who meet certain requirements to take postsecondary courses at a Wisconsin technical college or institution of higher education. An institution of higher education (IHE) includes the UW System institutions, tribally controlled colleges and private, nonprofit institutions.

The program opens the door to greater learning opportunities for students who are considering a technical career, students wishing to begin college early, or students who want to prepare to enter the workforce immediately after high school graduation.

The student does not have to pay for a postsecondary course if the school board determines the course may receive high school credit and the course is not comparable to a course offered in the school district. If approved by the Principal, the student will receive both high school and postsecondary credit for a successfully completed course. The high school will grant a diploma to a student who has successfully completed high school graduation standards, regardless of whether the requirements were met at the high school or a postsecondary institution.

Eligibility For Participation

To be eligible to participate in the Youth Options program, a student must:

I. Meet with their school counselor to discuss what IHE or TC courses they want to enroll in.
II. Have completed the 10^{th} grade.
III. In order to attend a technical college, be in good academic standing with a 2.0 GPA, record of passing all courses in the semester preceding Youth Options enrollment, and no record of disciplinary problems.
IV. In order to attend an IHE, meet the IHE admission requirements.
V. Complete DPI form PI-8700 indicating their intention to enroll in the postsecondary class(es) no later than March 1 for coursework to be taken in the fall semester and no later than October 1 for coursework to be taken in the spring semester.
VI. Apply to the college or technical college in the school semester prior to the one in which s/he plans to attend the postsecondary course.
VII. Notify the school counselor when admitted to the college.
VIII. Notify the school counselor when registered to attend a postsecondary course.

Determining High School Credit- Comparability

The high school principal or designee shall determine whether a postsecondary course is eligible for high school credit, how much high school credit may be awarded, and whether the course is comparable to a course offered in the school district. Generally, a 1-2 credit post secondary course will be awarded .5 PHS credit and a 3-5 credit post secondary course will be awarded 1.0 PHS credit.

Payment Of Tuition & Fees

The school board must pay an IHE or TC for any course that is taken for high school credit that is not comparable to a course offered in the school district.

The payment to a private IHE will be as determined by state statue.

The student must pay for any postsecondary course taken at an IHE or TC that is comparable to a course offered at the school district. The student must pay for a postsecondary course taken at an IHE or technical college for postsecondary credit only.

The school district will pay for up to a total of 18 postsecondary credits per student over the 2 year eligibility period through the Youth Options program.

If a student receives a failing grade or fails to complete (drops) a course for which the school district has made payment through the Youth Options program, the school board will require reimbursement for all costs related to the course. Reimbursement will be required from the student if s/he is an adult or from the student's parent or guardian.

Students who fail to provide reimbursement for a dropped or failed course as described above are not eligible for future opportunities in the Youth Options program.

The school board may refuse to permit a student with a disability who received special education services through an Individual Education Plan (IEP) to attend a technical college if the cost would impose an undue financial burden on the school district.

Transportation

Parents or students are responsible for the transportation between the school and the college.

Transportation assistance is available from the DPI for families eligible for free/reduced lunch under the federal school lunch program. Transportation costs may only be reimbursed if the student is taking a postsecondary course for which a comparable course is not offered at the school district. Claims for transportation reimbursement are available from the DPI and must be submitted to the DPI no later than 30 days after the end of the college semester to which the claim pertains.

COURSE OPTIONS PROGRAM

Course Options provides a means for Wisconsin students to take courses offered by other Wisconsin school districts, but also includes the opportunity for students to enroll in courses offered by charter schools, various institutions of higher education, and approved nonprofit organizations at no cost to the student. Course Options paperwork must be submitted at least 6 weeks prior to the start of the requested course. Students should see their school counselor if interested in this program.

SPECIAL EDUCATION SERVICES

Special Education and related services for children with disabilities are an extension of the regular education program offered by the Pulaski Community School District. An appropriate education for children with disabilities is defined as special education and related services which are in accordance with the laws of the State of Wisconsin and the federal government, which meet state Department of Public Instruction standards, and are commensurate with the student's identified needs, as indicated by the student's individual education plan (IEP). In accordance with the legal concept of least restrictive environment include team teaching in the regular education classes (inclusion), resource room support, self-contained classes, work experience, community based instruction, speech/language therapy, adaptive physical education, physical therapy, occupational therapy, assistive (inclusion) appropriate educational opportunities shall be available to children with disabilities that technology and other related services necessary to meet the unique needs of each student. At Pulaski High School the children with disabilities teachers shall be an available resource to the regular teaching staff, the administration, and other professional personnel to help identify and clarify the individual needs of the children with disabilities, suggest modifications within the scope of the regular classroom program, provide management/monitoring of the children with disabilities progress, and provide instruction as a supplement to the regular classroom or as an alternative to the regular classroom requirements.

PULASKI ENRICHING EDUCATION FOR ALL KIDS (PEAK)

(Gifted and Talented Program)

It is the philosophy of the Pulaski Community Schools to tailor instruction to individual student needs. The "Pyramid Model" will be the primary model used to provide services in the five identified areas of giftedness:

I.	Intellectually Gifted:	Students who excel in multiple academic areas.
II.	Academically Able:	Students who excel in specific academic areas.
III.	Creatively Gifted:	Students whose thought and behavior is characterized by originality of thought, action and/or product.
IV.	Artistically Gifted:	Students with demonstrated ability in the arts.
V.	Leadership Able:	Students who influence or facilitate group problem solving or group goal achievement.

The needs of gifted and talented students at Pulaski High School are typically met through any or all of the following opportunities:

I. Advanced Coursework: PHS offers Advanced Placement (AP) courses in Biology, Chemistry, Physics 1, Physics 2, Environmental Science, European History, U.S. History, Psychology, Human Geography, Art History, Music Theory, Statistics, Calculus AB, Calculus BC and French V. College credit is available in calculus, composition & literature, technical education, and Spanish through local colleges.

II. Co-curriculars and Academic Competitions: A wide variety of activities, which complement nearly every academic and elective interest area, are available at PHS. A complete list of co-curricular activities can be found in the clubs and activities section of the Pulaski High School website.

III. Differentiated Education Plans (DEP): Occasionally, a student's needs cannot be met through traditional methods. The DEP, developed collaboratively by the student, parent, classroom teacher, counselor and PHS gifted & talented coordinator, can help chart a course that provides enrichment and challenge for the student.

IV. Youth Options & Course Options: Junior and senior students who meet certain requirements may be able to take postsecondary courses at a Wisconsin technical college or institution of higher learning.

Grade Indexing at Pulaski High School

The Purpose: Because we are continually striving for excellence as a school, we want to encourage students to take courses that challenge them academically. To accomplish this we are going to add a fixed amount to the cumulative grade point average of students who take certain challenging courses.

The Process

- The indexing of a student's grade point average (g.p.a.) involves adding .025 to the student's cumulative g.p.a. for each semester a student is enrolled in an identified class.
  - For example:
    - A student enrolled in AP Chemistry for both semesters would have .05 (.025 for each semester) added to their cumulative g.p.a.

- The following courses will be indexed:

  - All Advanced Placement (AP) Courses:
    - AP Chemistry, AP Biology, AP US History, AP European History, AP Physics 1, AP Physics 2, AP Psychology, AP Art History, AP Statistics, AP Environmental Science, AP Human Geography, AP Calculus AB, AP Calculus BC, AP French V and AP Music Theory

  - All College Credit Courses:
    - St. Norbert College Credit English
    - St. Norbert College Credit Calculus 1
    - St. Norbert College Credit Calculus 2
    - UWGB Computer Aided Drafting
    - UWGB College Credit Spanish V

  - Selected Project Lead The Way (PLTW) Courses:
    - Introduction to Engineering Design, Principles of Engineering, Computer Science Principles, and Civil Engineering & Architecture

  - Selected Transcripted Courses:
    - General Anatomy & Physiology

  - Certain Youth Options Courses may be indexed if approved in advance by the high school principal.

  - No Independent Studies will count/earn grade indexing points.

  - ***In order to earn index points, the student must complete the course and any tests associated with the course including advanced placement tests.***

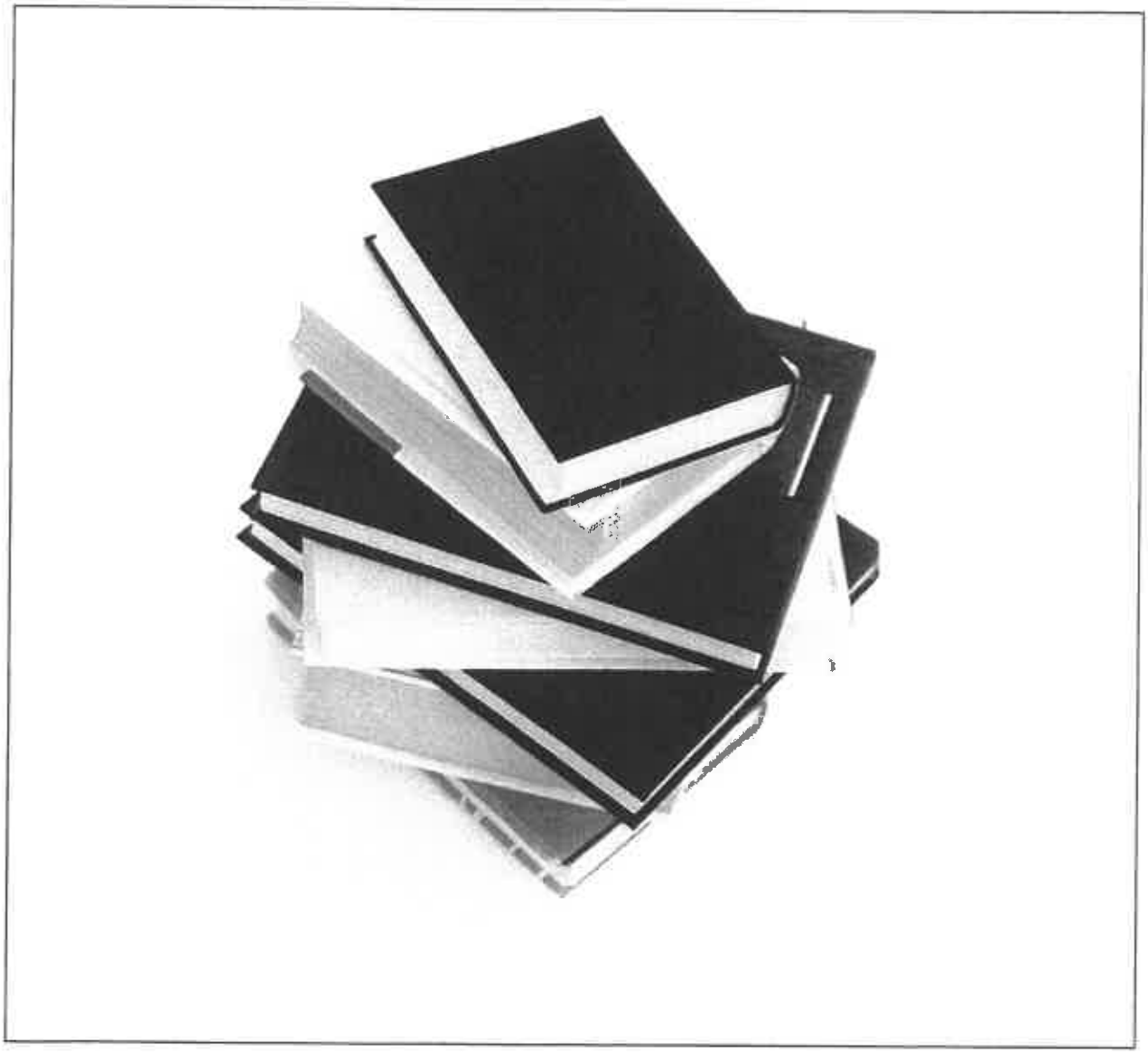
- Student rank in class will be reported based on indexing on transcripts. A non-indexed grade point average will be available upon request.

Notes:

- The students who take the most indexed courses can rise in indexed ranking above those who take a less challenging slate of courses.
- Only grades earned during a student's high school career will be used in indexing.

ADVANCED PLACEMENT, COLLEGE CREDIT, ADVANCED STANDING, & TRANSCRIPTED COURSES

LOOK INSIDE FOR COURSES FOR WHICH EDUCATIONAL CREDIT BEYOND HIGH SCHOOL MAY BE EARNED



ADVANCED PLACEMENT & COLLEGE CREDIT COURSES

Students at Pulaski High School have the opportunity to participate in courses which may earn them college credit. The courses listed here are also referenced in other sections of the Course Description Book so please pay careful attention to course numbers when selecting your classes for the next school year.

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Year	1	Advanced Placement European History (Taken in place of World History) [idx]	107B1Y	_	X	X	X	B+ or higher in Civics. Must be enrolled in Adv Eng 10.
1 Year	1	Advanced Placement U.S. History (Taken in place of U.S. History) [idx]	115B1Y	_	_	X	X	Civics and World History or European AP History
1 Year	1	Advanced Placement Psychology [idx]	152B1Y	_	_	X	X	See course description.
1 Year	1	Advanced Placement Human Geography [idx]	185B1Y	X	X	X	X	Prerequisite: Freshmen with an "A" in 8th grade social studies, Lexile level of 1100+, and passion for social studies, Sophomores who earned an "A" in Civics, Juniors or Seniors
1 Year	1	Advanced Placement Statistics [idx]	252B1X	#	X	X	X	Math 3 or Math 3 Advanced
1 Year	1-H.S / 4-College	PHS-St. Norbert College Calculus 1 [idx]	265B1X	_	_	X	X	Pre-Calculus & SNC acceptance for SNC credit.
1 Year	1	Advanced Placement Calculus 1 AB [idx]	266B1X	_	_	X	X	Pre-Calculus
1 Year	1-H.S. / 4-College	PHS-SNC Calculus 2 [idx]	275B1Y	_	_	_	X	Calculus 1
1 Year	1	Advanced Placement Calculus 2 BC [idx]	276B1Y	_	_	_	X	Calculus 1
1 Year	1	Advanced Placement Physics 1 [idx]	309B1Y	_	_	X	X	See course description.
1 Year	1	Advanced Placement Physics 2 [idx]	310B1Y	_	_	X	X	AP Physics 1
1 Year	1	Advanced Placement Biology [idx]	333B1Y	#	#	X	X	See course description.
1 Year	1	Advanced Placement Chemistry [idx]	337B1X	#	#	X	X	See course description.
1 Year	1	Advanced Placement Environmental Science [idx]	345B1X	_	X	X	X	Math 1 and Biology.
1 Sem	.5	Creative Writing (See course description)	422B1C	#	#	X	X	Eng 9 & 10
1 Year	1-H.S. / 8-College	PHS / St Norbert College English Course [idx]	490B1X	_	_	_	X	See course description.
1 Year	1-H.S. / 2-College	PHS-UWGB Intro to Engineering Design [idx]	660B1X	X	X	X	X	

1 Sem	.5-H.S. / 3-College	PHS-UWGB Computer Aided Drafting [idx]	663B1A	X	X	X	X	
1 Year	1	Advanced Placement French [idx]	705B1Y	_	_	#	X	See course description.
1 Year	1-H.S. / 3 plus 11 retro-College	PHS-UWGB Spanish V [idx]	726B1X	_	_	#	X	Spanish IV and grade of B or better in Spanish IV.
1 Year	1	Advanced Placement Art History [idx]	749B1Y	_	X	X	X	
1 Year	1	Advanced Placement Music Theory [idx]	766B1Y	_	#	X	X	Music Theory exceptions may be granted after successful completion of Music Theory class and instructor approval.

# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling Department and course instructor. Please contact the PHS counseling office with questions.

X Enrollment available to students in designated grade levels

[idx] This course is Grade Indexed

PROJECT LEAD THE WAY

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Year	1	Introduction to Engineering Design [idx]	600B1X	X	X	X	X	None
1 Year	1	Principles of Engineering [idx]	601B1Y	-	X	X	X	Introduction to Engineering Design
1 Year	1	Computer Science Principles [idx]	602B1Y	-	X	X	X	Math 2
1 Year	1	Civil Engineering & Architecture [idx]	604B1Y	-	X	X	X	IED or Architecture

# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling Department and course instructor. Please contact the PHS counseling office with questions.

X Enrollment available to students in designated grade levels

[idx] This course is Grade Indexed

ADVANCED STANDING (ARTICULATED) CREDIT COURSES

Students at Pulaski High School have the opportunity to participate in courses which may earn technical college credits. There is no charge to the student to participate in either a transcripted or advanced standing course.

Advanced Standing Courses are taught by high school teachers using high school curriculum determined to be a close match to an NWTC course. A student must earn a "B" or better to receive advanced standing. Advanced standing courses may earn a student the opportunity to skip an introductory level course in their program and advance to the next level. Advanced Standing agreements are transferrable to all schools within the Technical College System.
Students must take an advanced standing class their junior or senior year to earn NWTC credit. Freshmen and sophomore students cannot earn dual credit at NWTC.

PHS offers the following advanced standing courses with NWTC:

Course Length	NWTC Credit	PHS Credit	Name of Course	Course Number	Prerequisite
Semester	3	.5	PHS: Intro to Diversity Studies NWTC: Intro to Diversity Studies (10-809-172)	140B1C	Civics and World History required Sociology recommended
Semester	1	.5	PHS: Communicating – Writing NWTC: Communicating – Writing (31-801-385)	420B1C	English 9 & 10
Year	3	1	PHS: Culinary Arts 1 NWTC: Hospitality Finance (10-109-126)	508B1Y	Foods For Life
Year	3	1	PHS: Culinary Arts 2 NWTC: Hospitality Facilities Mgmt (10-109-127)	509B1Y	Foods for Life AND completed OR concurrent enrollment Culinary Arts 1
Year	1	1	PHS: Principles of Engineering (PLTW) NWTC: Mechanical Design – Exploring (10-606-111)	601B1Y	IED
Year	3	1	PHS: Computer Science Principles NWTC: Program: Logic (10-152-140)	602B1Y	Math 2
Semester	3	.5	PHS: IT: Support Hardware-Intro NWTC: IT: Support Hardware-Intro (10-154-150)	656B1A	

TRANSCRIPTED CREDIT COURSES

Transcribed Credit Courses are taught by high school teachers with Wisconsin Technical College System certification. NWTC curriculum and assessment methods are used. Student grades are posted to an official NWTC transcript. The grade a student receives in a transcribed course becomes part of the student's official college record. Transcribed credit agreements are transferable to other Wisconsin technical colleges and may transfer to four-year universities.

Students must take a transcribed class their junior or senior year to earn NWTC credit. Freshman and sophomore students cannot earn dual credit at NWTC.

Financial Aid Change Impact: NWTC does not want to penalize students that take transcripted credit with respect to future Financial Aid Eligibility. Based upon new FA rules, students are ineligible to receive aid if they fail to meet academic progress, not completing 70% of enrolled classes and/or not meeting a 2.0 GPA. Base upon this, NWTC will only document transcripted credit grades of a "C" or better.

PHS offers the following transcripted courses with NWTC:

Course Length	NWTC Credit	PHS Credit	Name of Course	Course Number	Prerequisite
Semester	2	.5	PHS: Math 1—Trades NWTC: Math 1—Trades (10-804-101)	240B1A	Math 2
Semester	3	.5	PHS: College Math NWTC: College Math (10-804-107)	245B1B	NWTC: Math 1-Trades or Placement by the HS Math Department
Year	3	1	PHS: Basic Anatomy NWTC: Basic Anatomy (10-806-189)	342B1X	Chemistry or Biology with a "C" or better
Year	4	1	PHS: General Anatomy & Physiology NWTC: General Anatomy & Physiology (10-806-177)	343B1X	Biology with at least a "B" and "C" or better in Chemistry required
Semester	3	.5	PHS: Oral/Interpersnl Communication NWTC: Oral/Interpersonal Communication (10-801-196)	435B1C	English 9 & 10
Semester	3	.5	PHS: Child/Adolescent Development NWTC: Child/Adolescent Development (10-522-106)	521B1A	
Semester	3	.5	PHS: Intro to Educational Practices NWTC: Introduction to Educational Practices (10-522-103)	523B1A	
Semester	3	.5	PHS: Medical Terminology NWTC: Medical Terminology (10-501-101)	526B1C	
Semester	2	.5	PHS: Culture of Healthcare NWTC: Culture of Healthcare (10-501-104)	528B1B	
Semester	2	.5	PHS: Digital Literacy Healthcare NWTC: Digital Literacy Healthcare (10-501-107)	530B1B	
Year	4	1	PHS: Accounting 1 NWTC: Accounting 1 (10-101-110)	551B1Y	
Semester	3	.5	PHS: Business Principles NWTC: Business Principles (10-102-158)	554B1A	
Semester	3	.5	PHS: Marketing Principles NWTC: Marketing Principles (10-104-110)	559B1B	
Semester	3	.5	PHS: Computer Applications 2 NWTC: Word - Intro (10-103-121) NWTC: Excel – Intro (10-103-131) NWTC: PP– Intro (10-103-151)	562B1B	Computer Applications 1 or Instructor approval
Semester	4	1	PHS: Machine Shop 1 NWTC: Intro to Machine Tool Apps (31-420-344) NWTC: Intro to Machine Tools (31-420-342)	624B1B	Metal Processes 2

Year	3	1	PHS: Cisco 1 & 2 NWTC: IT: Network: Cisco 1 (10-150-163)	650B1A 651B1B	Complete Cisco 1 then Cisco 2
Semester	3	.5	PHS: Horticulture NWTC: Horticulture–Intro (10-001-110)	692B1B	
Semester	1	.5	PHS: Marine Biology & Aquaculture NWTC: Aquaculture (10-090-125)	696B1A	
Semester	3	.5	PHS: Photography & Adv Photography NWTC: Photography-Digital (10-203-104)	745B1C 746B1B	For Advanced Photo, Photography required

Course Descriptions

AGRICULTURE / LIFE SCIENCE / NATURAL RESOURCES

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN AGRICULTURE

Diesel Mechanic

Farmer

Veterinarian

Plant Scientist

Air Pollution Specialist

U.S.D.A. Employee

Lab Animal Research Technician

Agronomist

Aquaculturalist

Animal Geneticist

Animal Nutritionist

Animal Geneticist

Game Warden

Marine Biologist

Floral Designer

Tree Surgeon

Forest Ranger

Landscaping Architect

Veterinarian Technician

Air Pollution Specialist

Soil Technician

Agricultural Engineer

Food Scientist

Fish & Game Manager

Agricultural Lawyer

Agricultural Journalist

Meats - Food Processor

Environmentalist

Agricultural Extension Employee

Agricultural Supply Technician

Fisheries Technician

Parks & Recreation Technician

Air Pollution Specialist

Agriculture Education Teacher

Soil Conservationist

Wildlife Technician

Agriculture Economist

Food Processing Technician

Agricultural Marketing Specialist

Agricultural Foreign Affairs Official

Agriscience

The FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success through Agricultural Education.

Agricultural Education prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber, and natural resource systems.

Biotechnology Systems		Career Options	
Recommended Order of Courses	Science Equivalency	*Microbiologist*	*Cytologist*
1. Biotechnology	YES	*Biotechnologist*	*Doctor*
Genetically Modified Organisms	**Genomics**	*Geneticist*	*Nurse*
Medical Applications	**Cell Tissue Culture**	*Oncologist*	*Biotech Lawyer*
Feeding our Growing World	**Science Ethics**	*Veterinarian*	*Animal Research*

Food Science and Processing Systems		Career Options	
Recommended Order of Courses	Science Equivalency	*Milk Inspector*	*Canning and Preserving Plant Supervisor*
1. Ag Products and Processing	YES	*Cheese Maker*	*Food Chemist*
Develop New Foods	**Smoke Meats**	*Viticulturist*	*Food Research and Development*
Experiment with Preservation	**Taste Testing**	*Food Inspector*	*Butcher*

Animal Systems		Career Options	
Recommended Order of Courses	Science Equivalency	*Animal Behaviorist*	*Veterinarian*
1. Animal Science	YES	*Professor of Animal Science*	*Geneticist*
2. Marine Biology/ Aquaculture	YES	*Livestock Evaluator*	*Ranch Manager*
3. Small Vet 1	NO	*Herdsman*	*Animal Care Specialist*
4. Small Vet 2	YES	*Cattle Buyer*	*Dairy Scientist*
5. Large Animal Vet	YES	*Fish Hatchery Manager*	*Livestock Breeder*

Plant Systems		Career Options	
Recommended Order of Courses	Science Equivalency	*Landscape Designer*	*Custom Chemical Applicator*
1. Floriculture/ Landscape Design	NO	*Florist*	*Crop Sales Representative*
2. Intro to Horticulture	NO	*Lawn Care Maintenance*	*Flower Grader*
Grow Fruits	**Hydroponics**	*Greenhouse Manager*	*Certified Seed Grower*
Plant Cloning	**Green Industry**	*Plant Science Professor*	*Turf Grower*
Aquaponics	**Crop/ Plant Research**	*Plant Breeder*	*Nursery Manager*

Power Structural and Systems		Career Options	
Recommended Order of Courses	Science Equivalency	*Welder*	*Tractor Dealer*
1. Ag Diesel Mechanics	NO	*Custom Operator*	*Irrigation Engineer*
2. Ag Mechanics and Construction	NO	*Feedlot Equipment Operator*	*Machinery research & Development*
3. Advanced Ag Diesel	NO	*Farm Equipment Mechanic*	*GPs Manufacturer*
Fix and Repair Engines	**Design and Build Systems**	*Agricultural Engineering Technician*	*Process Engineer*

Natural Resources & Environmental Service Systems		Career Options	
Recommended Order of Courses	Science Equivalency	*DNR Warden*	*Aquatic/ Marine Biologist*
1. Zoology/ Wildlife	YES	*Wildlife Manager*	*Commercial Fisherman*
2. Marine Biology/ Aquaculture	YES	*Forester/ forestry Technician*	*Fish and Game Biologist*
3. AP Environmental Science	YES	*Ecologist*	*Conversation Scientist*
Manage Wildlife	**Work Outside**	*Park Manager*	*Soil Extension Agent*
Positively Impact our World	**Raise Fish**	*Environmental Impact Evaluator*	*Hydrologist*

Agribusiness Systems		Career Options	
Recommended Order of Courses	Science Equivalency	*Farm Auctioneer*	*Agricultural Lawyer*
1. Agribusiness Management	NO	*Credit Analyst*	*Agricultural Economist*
2. Agribusiness Coop	NO	*Buying Agent*	*Agricultural Consultant*
Communications	**Marketing**	*Grain Merchandiser*	*Agricultural Publicist*

AGRICULTURE / LIFE SCIENCE / NATURAL RESOURCES

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Sem	.5	Biotechnology-ES	670B1B	_	#	X	X	Biology
1 Sem	.5	Sm Animal Vet Sci 1	672B1A	X	X	X	X	See Description
1 Sem	.5	Sm Animal Vet Sci 2-ES	673B1B	X	X	X	X	Small Vet 1
1 Sem	.5	Animal Science 1-ES	674B1A	X	X	X	X	See Description
1 Sem	.5	Large Animal Vet Sci-ES	676B1A	_	X	X	X	See Description
1 Sem	.5	Ag Engineering & Diesel Mechanics	680B1C	X	X	X	X	
1 Year	1	Advanced Ag Engineering & Diesel Mechanics	681B1X	_	X	X	X	Ag Engineering & Diesel Mechanics
1 Sem	.5	Ag Mechanization & Construction	685B1A	#	X	X	X	
1 Sem	.5	Agribusiness Management	686B1B	#	X	X	X	
1 Sem	.5	Ag Products & Processing-ES	687B1A	X	X	X	X	
1 Sem	.5	Floriculture / Landscape Design	690B1B	X	X	X	X	
1 Sem	.5	Horticulture	692B1B	_	X	X	X	
1 Sem	.5	Zoology & Wildlife Science-ES	695B1B	X	X	X	X	
1 Sem	.5	Marine Biology & Aquaculture-ES	696B1A	X	X	X	X	
1 Year	1	Advanced Placement Environmental Science-ES [idx]	345B1X	–	X	X	X	Math 1 and Biology
1 Year	.5	Agribusiness Co-Op Class	COPACY	_	_	_	X	
1 Year	1	Agribusiness Co-Op Job	COPAWC	_	_	_	X	Take in conjunction with Agribusiness Co-Op Class

\# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and Agriculture/ Life Science/ Natural Resource Departments. Please contact the PHS Counseling office with questions.

X Enrollment available to students in designated grade levels

[idx] This course is Grade Indexed

ES Denotes "Equivalent Science"—The Wisconsin Department of Instruction and the UW System has designated these courses as science equivalent courses. Most UW System campuses will count the completion of one or more approved science equivalent courses as the third unit of science as long as the student has taken some combination of biology/chemistry/physics for the other two units.

670B1B - BIOTECHNOLOGY: CONNECTION OF HUMANS, ANIMALS, & PLANTS-ES			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: Biology
Explore genetic engineering, DNA fingerprinting, microbiology, immunology, animal/plant tissue culturing, transgenic animals/plants and cloning. Expose yourself to cutting edge biotechnology opportunities of the 21st century. This course will integrate science and agricultural concepts by allowing students to "learn by doing." The course will allow the student to earn science credit.			

672B1A - SMALL ANIMAL VETERINARIAN SCIENCE 1			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
This class will explore units in veterinary sciences with emphasis on small domesticated pets. Much of the material can be applied to human medicine and is strongly recommended for students interested in the human medical field because of the hands-on approach to actually doing surgery on animals and working with the mammal system. Students will have an opportunity to apply practices used by veterinarians and animal scientist with dogs, cats, and laboratory animals. Units in reproductive physiology and anatomy, feeding practices, disease control, management practices, handling techniques and animal housing will be discussed. Field trips, labs, professional guest speakers, and actual surgeries will supplement the classroom instruction.			

673B1B - SMALL ANIMAL VETERINARIAN SCIENCE 2-ES			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: Small Animal Vet Science 1
This course will expand on material covered in Small Animal Veterinarian Science I by advancing the students skills in veterinarian science. The class will deal with small domesticated pets such as dogs, cats, lab animals, hamsters, guinea pigs, caged birds, fish/aquariums, rabbits, reptiles and exotic animals. The student will learn basic training and grooming principles for dogs and cats. The class will also deal with parasites that affect pets. Students will work as lab assistants doing DNA fingerprints, blood tests, urine tests, and animal tissue cultures on their pets. Students will gain work experience in the operation and management of a veterinary office. Students will also assume the role of a veterinarian and develop skills in dissection and advanced surgery techniques.			

674B1A - ANIMAL SCIENCE 1-ES			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
In this course, students will acquire skills to evaluate livestock and dairy animals and how to read and evaluate genetic pedigrees. Anatomy, judging techniques, and industry standards for cattle, hogs, sheep, poultry and dairy cattle will be discussed. A unit in meat evaluation and meat science will also be included. Students will complete food science labs which look at the various products that are produced in the animal industry. Computer programs, guest lectures, field trips and outdoor labs will supplement the class.			

676B1A - LARGE ANIMAL VETERINARIAN SCIENCE-ES			
Semester Course	Grades 10-12	.5 Credit	Prerequisite: None. Small Animal Veterinary Sciences 1 and 2 and Animal Science 1 are recommended
In this course, students will focus on the large animal veterinary sciences with specialization in horses, dairy, beef, swine, and sheep species. Emphasis will be placed upon knowledge and practices that veterinarians and animal scientists use daily with those animals. This is an excellent class for the student interested in the human medicine field because of the laboratory experiments done in class. Reproductive physiology, anatomy, food science, genetics, biotechnology, surgical procedures and techniques, nutrition, diseases, parasites, artificial insemination and management of large animals will be explored. Computers will be used for genetic manipulation, identification, and management decisions. Field trips, and professional guest lectures will supplement classroom instruction.			

680B1C - AG ENGINEERING & DIESEL MECHANICS			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
This practical application class will focus on the repair and restoration of large, heavy-duty engine mechanics from an industry and ag engineering standpoint. Students will learn safe operation of equipment used for the large engine rebuilding process. You will also learn agricultural engineering practices, restoration body work, maintenance, adjustment, and repair of agricultural diesel engine systems. Emphasis will be on the engine overhaul procedures, including units on engine cooling, lubrication and power train systems. Technical Precision Measuring devices will be used on a regular basis to make sound management decisions on the engine overhaul process, and to complete essential preventive maintenance procedures necessary to keep these engines working at optimum efficiency. Shop instruction will include a group project on a massive diesel engine overhaul. The students will learn about each phase of the rebuilding process, starting with the basic design differences of various brands of engines, to cylinder head, fuel injection, bottom end, and the cylinder remanufacturing processes. The course will also start to develop a framework on how to restore and/or recondition agricultural equipment for future courses in either the Advanced Ag Engineering & Diesel Mechanics course or the Farm Mechanization and Construction course.			

681B1X - ADVANCED AG ENGINEERING & DIESEL MECHANICS			
Year Course	Grades 10-12	1 Credit	Prerequisite: Ag Engineering & Diesel Mechanics and access to a diesel engine

This advanced level course is designed for students pursuing a career in the diesel and agriculture mechanical field, and have already excelled in the Ag Engineering & Diesel Mechanics class the previous year. Students will develop, plan, implement and finance advanced level agricultural mechanical projects of their choice. Emphasis will be placed on advanced techniques in the engine overhaul process, with advanced skills being used in all phases of this elaborate and demanding technical field. Other competencies involve diagnosing electrical system malfunctions, cylinder head failures, fuel injector & injection pump maintenance, Standard, CV and Hydrostatic transmission maintenance along with complete power train analysis. Advanced engine diagnostic trouble shooting techniques, advanced diesel engine maintenance, specialized repair applications and advanced preventative maintenance procedures will be emphasized. Student projects should be well thought out in advance of the school year and should be ready to be brought in by the 1st week of October. Students also have the opportunity to compete in a national and state tractor restoration contest if they would like with the possibility of winning $5000. If a student does not have their own advanced project, they should contact community members and/or relatives the summer before to alert our community that a project is needed and to help set-up the project with you before the class starts.

685B1A - AG MECHANIZATION & CONSTRUCTION			
Semester Course	Grade 10-12 (#)	.5 Credit	Prerequisite: None

This shop-based class is designed to meet the needs of any students either presently working in agribusiness or who plan to someday manage an agribusiness. This class will focus its attention on training students to repair and maintain all of the equipment production agriculturalists use on a regular day-to-day basis. Hands on learning in the shop will be used to repair, set-up and maintain farm tillage, planting, harvesting, granular and sprayer equipment. Special emphasis in TMR mixers, silo unloaders, skid steers, grain drying, barn wiring, basic welding and construction techniques for farm structures, concrete work, basic refrigeration, ag plumbing, land tiling, irrigation systems, agronomy techniques, hydraulics and troubleshooting milk parlor systems are topics that will be explored with real-life, hands-on applications. Guest speakers, field trips and various types of equipment will be brought into the shop for students to gain full knowledge of how all of these new technologies can be used efficiently and repaired effectively.

686B1B - AGRIBUSINESS MANAGEMENT			
Semester Course	Grade 10-12 (#)	.5 Credit	Prerequisites: None

The Agribusiness Management course is designed for prospective Agribusiness managers and management consultants that will work in the commercial environment of modern agribusiness in the Midwest. Students will develop innovative and strategic methods for advancement in today's world of production agriculture. Topics that will be explored include livestock housing, agricultural construction, human resource management, production enterprises, budgeting, managing equipment, animal management decisions, crop scheduling, financial analysis and natural resource management.

687B1A – AG PRODUCTS & PROCESSING-ES			
Semester Course	Grade 9-12	.5 Credit	Prerequisites: None

This course is designed to introduce students to the world of food preservation, food origins and how modern production practices affect our food quality in our ever-changing world. Students will be able to discover new food sources, ways to process, preserve, package or store food, food processing career opportunities, and inspecting food processing areas. Learning will focus on labs with modern processes and procedures in meat selection and cut identification, dairy processing, fruit and vegetable processing, and cereal grain processing. There will be activity-based experiences including meat ID and cutting, making of brats, cheese, and other food processing practices taking the product from the field to the store shelf. Food processing is the largest industry in the United States. As the industry tries to meet consumer demands, more highly knowledgeable and competently trained food technologists are needed. This course offers advanced exploration in a field where salaries are competitive and graduates with this knowledge are in demand.

690B1B - FLORICULTURE/LANDSCAPE DESIGN			
Semester Course	Grades 9–12	.5 Credit	Prerequisite: None

This class is for those students who would like more detailed instruction and experience in the horticulture industry. Students will get hands-on experience in landscaping architecture using CAD computer programs and architectural drawings made by the students. Students will be constructing 3-D scale models of their preferred landscape. Students will learn principles of landscape design, floral design, boutonniere and corsage design, using silk and natural flowers, identification of common landscaping trees, shrubs, ground covers, and hardy perennials. Greenhouse gardening and greenhouse management will be explored within the greenhouse. Actual marketing and sales techniques will also be applied. Horticulture Co-op placement is possible following Horticulture, Floriculture/Landscaping and Advanced Greenhouse Management research design.

692B1B - HORTICULTURE *			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: None

This course is designed to learn about all areas of horticulture and greenhouse practices. Students will acquire skills in asexual and sexual propagation with hands-on experience of proper fertilizing practices, pest management techniques, greenhouse structures and engineering, caring for flower beds, lawns, shrubs, trees, fruits and vegetables, starting plants from seeds and cuttings and air layering from within the greenhouse. Students will learn to identify bedding and foliage plants, plant parts and functions with units on genetic cloning and "Wisconsin Fast Plants." Students will also have hands-on experience in landscaping practices, growing of various greenhouse crops, such as Poinsettias, Chrysanthemums, bulb crops, pruning and caring of fruit trees, with extensive laboratory techniques in tissue micro propagation and research design. The Pulaski High Greenhouse will be our classroom.
Horticulture Co-op placement is possible following Horticulture and Advanced Greenhouse Management.

***This course is transcripted with NWTC's Horticulture – Intro (10-001-110) when taken by a junior or senior.**

695B1B - ZOOLOGY & WILDLIFE SCIENCE-ES			
Semester Course	Grades 9–12	.5 Credit	Prerequisite: None

How many of our worlds' wildlife species are in danger of disappearing from our planet? What can we do to help these animals survive and flourish? This course will survey the animal kingdom and the diversity of animals on this planet as well as here in Wisconsin. This course takes an intensive look into individual animal species. Students will study animal classification, structure, and function. A variety of the world habitats and species are examined. Contemporary issues such as endangered species, wildlife management and habitat degradation are explored.

696B1A - MARINE BIOLOGY & AQUACULTURE-ES *			
Semester Course	Grades 9–12	.5 Credit	Prerequisite: None

How does the pollution we make in our environment affect our marine and land ecosystems? What can we do to protect our worlds' oceans and their organisms? This course will give a scientific introduction to the study of marine organisms, their environment and the interactions that occur between them. Areas of exploration include coral reef communities, marine fish and mammals, properties of the oceans, estuaries, and other marine ecology. Students will understand the important relationships between marine life and freshwater systems. Additionally, the effects of man on the environment and new biotechnologies used to maintain a pristine earth will be examined.

***This course is transcripted with NWTC's Aquaculture (10-090-125) when taken by a junior or senior.**

345B1X - ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE-ES **Grade Indexed (see pg 17)**			
Year Course	Grades 10–12	1 Credit	Prerequisite: Math 1 and Biology

AP Environmental Science provides an investigative approach to the interrelationships of the natural world through the study of the fundamental concepts, principles, and methodologies of environmental science, with an emphasis on inquiry and critical thinking skills including problem solving and experimental investigations. Topics of study include Earth systems and resources, ecosystems and energy flow, population biology, land and water use, energy resources and consumption, pollution, agriculture conservation and global change. Laboratory work and field studies are an integral component of this course.

Students will be required to take the Advanced Placement test.

COPACY - AGRIBUSINESS CO-OP CLASS			
Year Course	Grade 12	.5 Credit	Prerequisite: Two courses in this department

This senior-level course is designed for students interested in a school-day work experience their senior year. Topics covered include career opportunities, career decision-making process, human relations in the workplace (teamwork, leadership, ethics, sexual harassment, attitude), communications (listening, speaking, writing), legal aspects of employment (payroll, unions), and job-seeking skills.

This is a required course for participation in the co-op work experience.

COPAWC - AGRIBUSINESS CO-OP JOB			
Year Course	Grade 12	1 Credit	Prerequisite: Concurrent registration in Agribusiness Co-Op Class

Students are able to apply classroom skills by participating in a work-release program.

Students enrolled in course COPAWC must obtain a job in an Agribusiness/Horticulture related career area:

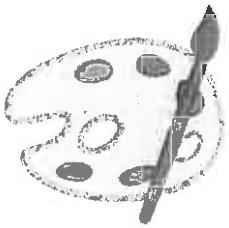
Agriculture: Landscape, Greenhouse, Agricultural Production, Horticulture
Science: Animal Science, Biotechnician, Veterinarian, Soil Scientists, Food Science
Environment: Park Worker, Forestry, Paper Science, Conservation Pollution Control, DNR
Mechanics: Diesel Mechanics, Agricultural Mechanics

Note: Students can elect to take the classroom portion (COPACY) without participating in the job site portion (COPAWC). Students must take the classroom portion if they elect to participate in the job site portion.

ART

OCCUPATIONS RELATED TO ART

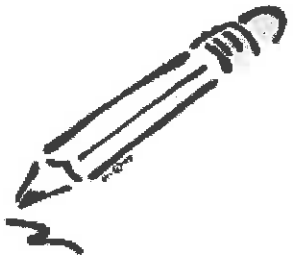
Fine Art
- Airbrush Artist / Spray Painter
- Architectural Illustrator
- Book / Storybook Illustrator
- Graphic Illustrator
- Technical / Textbook Illustrator
- Cartoonist / Caricaturist
- Commercial Artist
- Fine Artist (Painter)
- Printer Maker / Screen Printer
- Courtroom Artist
- Art Conservationist
- Special Effects Makeup
- Mural Artist
- Tattoo Artist



Spatial Design
- Architect
- Landscape Architect
- Urban Designer / Town Planner
- Playground / Theme Park / Sports Arena / Golf Course Designer
- Interior Designer / Decorator
- Set / Stage Design

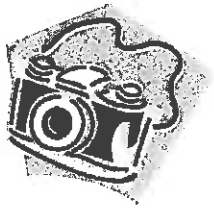
3D Product Design
- Industrial Designer / Bridge Designer
- Toy Designer / Kite Designer / Utensil Designer
- Miniature Model Maker / Mock-up Artist
- Stained Glass Window Designer
- Prop Designer
- Food Product Designer
- Potter / Ceramic Designer
- Jeweler
- Weaver
- Glass Artist

Arranging / Display
- Food Stylist
- Floral Arranger
- Display and Exhibition Planner
- Art / Design / Color Consultant
- Gallery Owner / Assistant
- Museum Curator
- Personal Stylist
- Picture Framer
- Online Curator



Writing / Analytical
- Art Curriculum Writer
- Art Historian / Critic
- Arts Administrator

Photography
- Advertising Photographer
- Portrait / Fashion Photographer
- Photo Journalist
- Food / Nature Photographer
- Underwater Photographer
- Wedding Photographer
- Stock Photo Seller
- Director of Photography



Digital / Multi-Media
- Animator
- Concept Artist
- Digital Illustrator
- Digital 3D Modeler
- Web Designer
- Website Owner / Blogger
- iPhone / Android App Designer
- Television / Film Producer
- Documentary Filmmaker
- Camera Operator
- Film Editor
- Special Effects Designer
- Video Game Design
- YouTube Video Creator

Graphic Design
- Advertising Director
- Logo / Branding Designer
- Advertisement Designer
- Sign Writer
- Magazine Layout Designer
- Book / eBook Designer
- Graphic Novel Author
- Packaging Designer
- Calendar / Stationery / Wallpaper Designer
- Typographer

Fashion / Textiles
- Fiber Artist
- Accessory Designer (shoes / bags / hats)
- Dressmaker
- Embroiderer
- Fashion Consultant
- Fashion Designer / Sports Apparel Designer
- Fashion Merchandising
- Pattern Maker
- Costume Designer

ART

Involvement in high school art courses will help you to become creative and flexible in your thinking. These courses will help you to communicate more effectively by teaching how to visualize and communicate your ideas through visual examples. Each course will provide you with an opportunity to incorporate personal interests and knowledge gained in other classes.

The following courses are offered to meet the needs and interests of students who enjoy art and who wish to continue their education in the visual arts or related fields. Each course is designed to meet the interests of students who want to broaden their understanding and appreciation of the visual arts.

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Year	1	Art Fundamentals	730B1Y	X	X	X	X	
1 Year	1	Art & Design	731B1Y	__	X	X	X	
1 Year	1	Advanced Art 2D	732B1Y	__	__	X	X	Art & Design or Drawing
1 Sem	.5	Drawing	733B1C	X	X	X	X	
1 Sem	.5	Ceramics	737B1B	X	X	X	X	
1 Sem	.5	Art Metals	738B1A	X	X	X	X	
1 Sem	.5	Textiles	734B1A	X	X	X	X	
1 Sem	.5	Sculpture	735B1A	X	X	X	X	
1 Sem	.5	3D Studio Advanced Art	739B1C	__	X	X	X	Must complete one or more of the following courses: Ceramics, Art Metals, Textiles or Sculpture
1 Sem	.5	Gallery and Museum Practices	736B1A	X	X	X	X	
1 Year	1	Individual Research in Art	740B1Y	__	__	__	X	Advanced Art 2D or 3D Advanced Art
1 Sem	.5	Art in Society	741B1A	X	X	X	X	
1 Sem	.5	Graphic Design	743B1C	X	X	X	X	
1 Sem	.5	Photography	745B1C	X	X	X	X	
1 Sem	.5	Advanced Photography	746B1B	X	X	X	X	Photography
1 Year	1	Advanced Placement Art History [idx]	749B1Y	__	X	X	X	

X Enrollment available to students in designated grade levels
[idx] This course is Grade Indexed
X Department's recommended grade level for enrollment

730B1Y - ART FUNDAMENTALS			
Year Course	Grades 9-12	1 Credit	Prerequisite: None
Art Fundamentals develops students' skills that are necessary to design, create, and understand art at a beginning to intermediate level. Short-term, long-term and independent projects are assigned. Projects include, but are not limited to, drawing, painting, printmaking, metal work, wheel thrown pottery, sculpture and graphic design animation.			

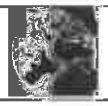
731B1Y - ART AND DESIGN			
Year Course	Grades 10-12	1 Credit	Prerequisite: None
Art and Design develops students' understanding of the Elements and Principles of Design through a variety of creative projects. An emphasis will be placed on learning skills needed to visually communicate ideas through the use of design techniques. A variety of production tools and techniques will be studied throughout the year including, but not limited to, airbrushing, computer graphics, drawing, painting and sculpture.			

732B1Y - ADVANCED ART 2D			
Year Course	Grades 11-12	1 Credit	Prerequisite: Art and Design or Drawing
Advanced Art 2D develops students' skills in drawing, painting and design. Drawing skills and techniques will include developing a strong understanding of perspective, still life, and the human figure. Painting skills and techniques will include the study of watercolor and acrylic paint. Students will use both two and three dimensional materials to enhance their knowledge and understanding of these advanced skills. Advanced Art 2D will prepare students for Individual Research in Art / AP Art Studio			

733B1C - DRAWING			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Drawing is an introduction to visual expression, communication and personal creativity through the exploration of various drawing skills and techniques. Drawing will include the study of shading, form, line quality, still life, landscape, portrait, human figure, along with other drawing techniques and subject matter. Formal concepts such as shading, line, texture, value and perspective will be explored throughout the semester.			

737B1B - CERAMICS			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Ceramics will introduce students to both wheel throwing and hand building techniques. Design concepts including form, texture and function will be explored through this course.			

738B1A – ART METALS			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Art Metals will introduce students to both fabrication and casting techniques. Design concepts including form, texture and function will be explored through this course.			



734B1A - TEXTILES			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
An introductory overview to the field of textiles and fiber arts. Students will learn the basic process of fiber sculpture, textile construction, embellishment fabric, dying and papermaking.			

735B1A - SCULPTURE			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Sculpture will introduce students to a variety of methods including additive and subtractive construction techniques using a variety of construction materials. Design concepts including form, texture, space and function will be explored through this course.			

739B1C – 3D STUDIO ADVANCED ART			
Semester Course	Grades 10-12	.5 Credit	Prerequisite: Ceramics or Art Metals or Sculpture or Textiles
3D Studio Advanced Art is an intermediate level class designed to provide the opportunity for specialized skill development. Each student will select an area of study they wish to expand upon based on their previous experience. Based on their previous experience this could include pottery, sculpture, art metals, fiber arts, or leather crafting. Originality of design and refinement of production skills will be stressed. Students are limited to working in design areas that they experienced in the previously taken Ceramics, Art Metals, Sculpture or Textile classes. **(3D Studio Advanced Art may be repeated.)**			

736B1A - GALLERY AND MUSEUM PRACTICES			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Students will get an introduction to the practices and methods of the museum and art gallery profession: planning, promotion, and publicity (including social media); exhibition design and installation; proper handling and treatment of art; community outreach to display art work.			

740B1Y - INDIVIDUAL RESEARCH IN ART			
Year Course	Grade 12	1 Credit	Prerequisite: Advanced Art 2D or 3D Studio Advanced Art
Individualized Research is offered to meet the needs of highly motivated and/or career oriented students. This course is portfolio driven and the specific medium of study will be limited to a single art discipline for each quarter and will be planned at the beginning of each semester. Student assessment will consist of 4 projects each quarter, related art research and the development of an artwork portfolio. (This course can be adapted to meet the requirements of Advanced Placement Art Studio).			

741B1A - ART IN SOCIETY			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Art in Society will study the value of art in society and how art improves the community we live in. Students will complete four projects over the course of the semester ranging from small group projects to full class projects. Topics covered will include: mask / costume design, mural painting, sculptural construction / installation, and public art. This course will emphasize teamwork within a variety of art mediums ranging from drawing and painting to 3D sculptures.			

743B1C – GRAPHIC DESIGN			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Graphic Design is an introduction to computer generated images and typography. Students will be working with Adobe Illustrator and Adobe Photoshop using iMac computers. Students will design images based on practical visual problems for self-promotion, logo design, web design, and other real world solutions. This course instructs the student in graphic design skills employing traditional and digital tools, materials and procedures employed in the communication arts industry. The focus will be on finding creative visual solutions to communication problems using technical skills studies during this class. Students will work with the Pulaski Technology Department to provide original graphics and icons to be used on the district website and other media uses.			

745B1C – PHOTOGRAPHY			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Photography will explore both 35mm and digital photography. Students will learn about the parts of the camera, camera settings, film developing, darkroom techniques, and how to use digital editing software to edit their photographs. This course will require time outside of class to take pictures. Written and reading assignments will be required in addition to in-class work, taking and developing photographs. <u>It is recommended that a student have a digital camera accessible for projects so that they may become experts with the equipment they will use after the course.</u> A limited number of cameras will be available for students to use who do not already have a camera.			

746B1B - ADVANCED PHOTOGRAPHY *			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: Photography
Advanced Photography builds upon the skills learned in Photography. Specific subject areas will be emphasized to develop skill and knowledge when working with different subjects and lighting conditions. Students will work with 35mm, digital or a combination of both over the course of the semester. (Advanced Photography may be repeated.) ***This course is transcripted with NWTC's Photography – Digital (10-203-104) when taken as a junior or senior.**			

749B1Y - ADVANCED PLACEMENT ART HISTORY **Grade Indexed (see pg 17)**			
Year Course	Grades 10-12	1 Credit	Prerequisite: None
AP Art History explores the art of Western and non-Western art. This course is designed to provide the same benefits as an introductory college art history course. Content will include a diverse historical and cultural context of architecture, sculpture, painting and other media within their historical and cultural time period. Students will learn to look at works of art critically, with intelligence and sensitivity, and to analyze what they see. The course will work to prepare students to take the AP Art History Exam in the spring. Many colleges and universities offer advance placement credit to students who perform successfully on the AP Art History examination. Students will be required to take the Advanced Placement test.			

BUSINESS & INFORMATION TECHNOLOGY EDUCATION

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN BUSINESS EDUCATION

Office Planner

Banker

Computer Consultant

Human Resources Director

Training Specialist

Advertising Manager

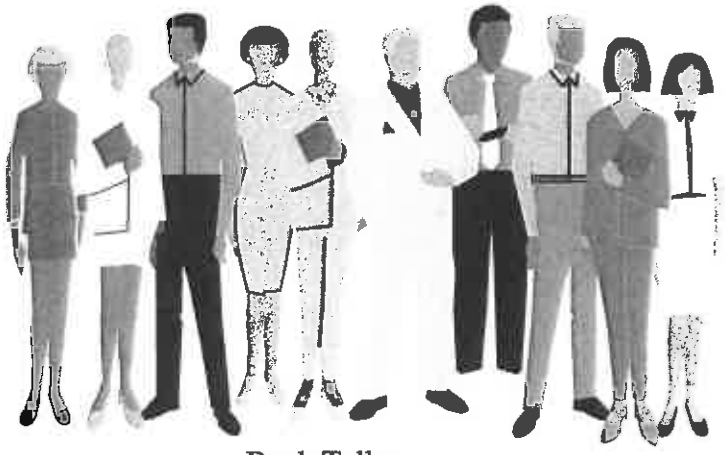
Marketing Director

Financial Planner

Accountant

Real Estate Agent

Insurance Specialist



Information Specialist

Receptionist

File Clerk

Business Manager

Accounting

Buyer

Bank Teller

Auditor

Loan Officer

Loan Clerk

Salesperson

Cashier

Word Processing

Public Relations

Court Reporter

Administrative Assistant

Accounting Assistant

In Home Sales

Medical Secretary

Telemarketer

Information Specialist

Clerk

Records Manager

BUSINESS & INFORMATION TECHNOLGY EDUCATION

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Sem	.5	Introduction to Business	550B1A	X	X	_	_	
1 Year	1	Accounting 1	551B1Y	X	X	X	X	
1 Year	1	Accounting 2	552B1Y	_	X	X	X	Accounting 1
1 Sem	.5	Keyboarding/Intro	555B1C	X	X	X	X	Key under 20 wpm
1 Sem	.5	Word Processing	553B1A	X	X	X	X	See course description
1 Sem	.5	Business Principles	554B1A	#	X	X	X	
1 Sem	.5	Personal Finance	556B1C	_	_	X	X	
1 Sem	.5	Business Law	558B1B	X	X	X	X	
1 Sem	.5	Marketing Principles	559B1B	#	X	X	X	
1 Sem	.5	Computer Applications 1	561B1A	X	X	X	X	
1 Sem	.5	Computer Applications 2	562B1B	X	X	X	X	Computer Apps 1 or consent of instructor
1 Sem	.5	Entrepreneurship	563B1B	X	X	X	X	
1 Year	.5	Business Occupations Co-op Class	COPBCY	_	_	_	X	Computer Apps 1
1 Year	1	Business Co-op Job	COPBWC	_	_	_	X	See Course Description

# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and Business Departments. Please contact the PHS counseling office with questions.

X Enrollment available to students in designated grade levels

[idx] This course is Grade Indexed

550B1A – INTRODUCTION TO BUSINESS			
Semester Course	Grades 9-10	.5 Credit	Prerequisite: None
This course is a must for students thinking about a career in business or for gathering more information to see if business is a career path. The course will introduce business concepts to include kinds of business, types of businesses, the affect of the economy on businesses, uses of technology within business, global affects of businesses, and characteristics of successful businesses. The class will focus on the 21st Century Skills for students while addressing the career clusters of Business Management, Marketing, and Finance.			

551B1Y - ACCOUNTING 1 *			
Year Course	Grades 9-12	1 Credit	Prerequisite: None
Learn the language of business! Students will develop a foundation in basic accounting theory and procedures. Topics covered include an introduction to accounting, careers in accounting and the entire accounting cycle. Computerized accounting software is used with extensive work in Excel. It is recommended that students pursuing any business career path take one or two years of accounting. ***This course is transcripted with NWTC's Accounting 1 (10-101-110) when taken as a junior or senior.**			

552B1Y - ACCOUNTING 2			
Year Course	Grades 10-12	1 Credit	Prerequisite: Accounting 1
This course offers students the opportunity to develop skills in all phases of accounting. Topics covered include inventories, fixed assets, current liabilities including payroll and notes payable, business formations, capital stocks, dividends, bonds, cash flow statements, and financial statement analysis.			

555B1C - INTRO TO KEYBOARDING			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: Key under 20 wpm
This course is intended for students who haven't had any formal keyboarding training, key under 20 wpm or want to improve technique and speed. Students will learn proper fingering techniques and be introduced to various business documents such as memorandums, letters, reports, and tables. The state of Wisconsin recommends that students type five words per minute times their grade level. Software used: Microsoft Word			

553B1A - WORD PROCESSING			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: Timed writing skills of 20 words per minute using proper technique or Intro to Keyboarding
This course prepares students to use Microsoft Word *efficiently* to create school and business reports, personal and business letters, envelopes, newsletters, tables and charts, programs for organizations, meeting minutes, and agendas. Successful completion of this course provides the needed skills to successfully and efficiently write college papers and/or work in the business world.			

554B1A - BUSINESS PRINCIPLES *			
Semester Course	Grades 10-12 (#)	.5 Credit	Prerequisite: None
This course will explore all aspects of business as it applies to management. Topics will include: organization/management process of human resources, production, operations, marketing, distribution, and finances; risk management; ethics/legalistic management; international business; accounting, computers and data processing. ***This course is transcripted with NWTC's Business Principles (10-102-158) when taken as a junior or senior**			

556B1C - PERSONAL FINANCE			
Semester Course	Grades 11-12	.5 Credit	Prerequisite: None
This course fulfills the Personal Financial Management graduation credit requirement. Using the new Wisconsin Financial Literacy standards, topics covered include: understanding your paycheck, apartment renting, home buying, car purchasing, credit cards, loans, budgeting, checking accounts and debit cards, savings, options for investing, planning for your retirement, being a smart consumer, donating, and insurance (health, life, auto, home, liability).			

558B1B - BUSINESS LAW			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
This course is designed to make students aware of their legal rights and responsibilities. Topics covered include laws relating to minors, contracts, court procedure, bankruptcy, crimes, misdemeanors, felonies, contracts of employment, insurance (auto, life, health), wills, and landlord tenant relationships.			

559B1B - MARKETING PRINCIPLES *			
Semester Course	Grades 10-12 (#)	.5 Credit	Prerequisite: None
This class will explore marketing from a business and consumer standpoint. Topics will include: marketing management, market segmentation, market research, consumer behavior, product decisions and management distribution, pricing, promotional decisions for strategy planning. ***This course is transcripted with NWTC's Marketing Principles (10-104-110) when taken as a junior or senior.**			

561B1A - COMPUTER APPLICATIONS 1			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None

Looking to have an "edge" in the classroom, at college, or at work? There is no better skill to have then computer literacy. Computer Applications 1 will show you the power of Microsoft Office. You will learn to use Word, Excel, and PowerPoint effectively and bring your computer skills to a new level. You will also have an opportunity to conduct research on the Internet, explore new technological innovations, examine technology-related careers and speculate about future computer applications.

562B1B - COMPUTER APPLICATIONS 2 *			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: Computer Applications 1 or Instructor Approval

Take your computing skills to the next level. Computer Applications 2 will take you to the advanced level of Microsoft Office. When you are required to use Word, Excel, or PowerPoint at college or work, you will be prepared for the most challenging projects and be able to complete them with ease. This is a transcripted course with NWTC so you will be completing college-level work. You may also elect to earn three NWTC credits which meets the computer literacy requirement at some colleges.

***This course is transcripted with NWTC's Micro: Word-Intro (10-103-121); Micro: Excel-Intro (10-103-131); and Micro: PowerPoint-Intro (10-103-151) when taken as a junior or senior.**

563B1B - ENTREPRENEURSHIP			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None

Owning and operating your own business has long been an American dream. This course is designed for students who are interested in learning how a business is created, how it is managed, and how it fits into today's economy. Topics will include product development, business management, communications, sales, marketing, record keeping, legal aspects, and much more. Students will use technology and other hands-on activities to simulate business in the real world. Students actively participate in operating, marketing, buying, and designing for the Raid R Zone, the school store.

COPBCY - BUSINESS OCCUPATIONS COOPERATIVE CLASS			
Year Course	Grade 12	.5 Credit	Prerequisite: Two courses in this department

This senior-level course is designed for students interested in a school-day work experience their senior year. Topics covered include career opportunities, career decision-making process, human relations in the workplace (teamwork, leadership, ethics, sexual harassment, attitude), communications (listening, speaking, writing), legal aspects of employment (payroll, unions), and job-seeking skills.

This is a required course for participation in the co-op work experience.

COPBWC - BUSINESS OCCUPATIONS COOPERATIVE JOB			
Year Course	Grade 12	1 Credit	Prerequisite: See Below

Prerequisite: Computer Applications 1 and simultaneous enrollment in COPBCY.

Students are able to apply classroom skills by participating in a work-release program.
Students enrolled in course COPBWC must obtain a job in a business-related career area:

Administrative: Clerk Typist, Receptionist, Word Processor
Marketing: Cashier, Customer Service, Stockperson, Advertising, Display Person, Real Estate, Advertising, Media
Management Information Systems: Data Entry, File Clerk, Computer Programmer, Systems Technician
Accounting/Financial: Bank Teller, Accounting Assistant, Insurance

Note: Students can elect to take the classroom portion (COPBCY) without participating in the job site portion (COPBWC). Students must take the classroom portion if they elect to participate in the job site portion.

ENGLISH

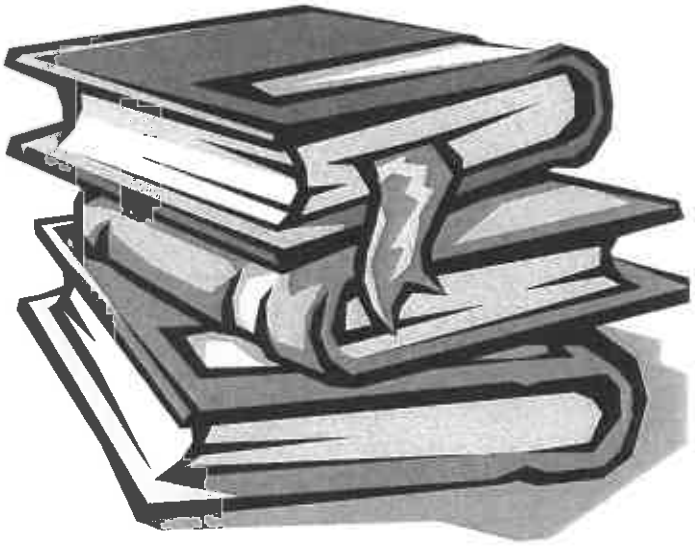
SOME AREAS RELATED TO INTEREST AND ABILITY IN ENGLISH

Reading

Technology and Media

Thinking Skills

Literature



Research

Listening

Speaking

Writing

ENGLISH

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite	
1 Year	1	English 9**+	400B1X	X	#	#	#		
1 Year	1	Advanced English 9**	403B1X	X	#	#	#		
1 Year	1	English 10**+	405B1X	#	X	#	#	English 9	
1 Year	1	Advanced English 10**	408B1X	#	X	#	#	English 9	
1 Sem	.5	English 11**+	410B1C	#	#	X	#	English 9 & 10	
1 Sem	.5	Advanced English 11**	413B1A	#	#	X	#	English 9 & 10	
1 Sem	.5	Communicating-Writing	420B1C	#	#	X	X	Eng 9 & 10	Junior Writing Requirement
1 Sem	.5	Creative Writing**	422B1C	#	#	X	X	Eng 9 & 10	
1 Sem	.5	Expository Writing**	423B1C	#	#	X	X	Eng 9 & 10	
1 Sem	.5	Contemporary Literature	425B1C	#	#	X	X	Eng 9 & 10	Senior Reading Requirement
1 Sem	.5	The Novel**	426B1C	#	#	X	X	Eng 9 & 10	
1 Sem	.5	American Literature**	427B1C	#	#	X	X	Eng 9 & 10	
1 Sem	.5	British Literature**	428B1B	#	#	X	X	Eng 9 & 10	
1 Sem	.5	Study of Media	430B1A	#	#	X	X		
1 Sem	.5	Written Language Skills**	431B1B	#	#	X	X	English 9 & 10	
1 Sem	.5	Communications**	432B1C	#	X	X	X	English 9	
1 Sem	.5	Analysis of Drama	433B1A	X	X	X	X		
1 Sem	.5	Oral/Interprsnl Comm	435B1C	_	_	X	X	English 9 & 10	
1 Sem	.5	Pulaski News Publ Beg	440B1A	#	X	X	X	English 9	
1 Sem	.5	Pulaski News Publ Adv 1	441B1B	#	X	X	X	Pulaski News Pub Beg	
1 Year	1	Pulaski News Publ Adv 2	442B1Y	#	#	X	X	Pulaski News Pub Adv 1	
1 Sem	.5	Developmental Reading	450B1A	#	X	X	#	Reading Teacher Rec. and MAP scores	
1 Sem	.5	Academic Literacy A	455B1A	X	#	#	#	Reading Teacher Rec. and MAP scores	
1 Sem	.5	Academic Literacy B	456B1B	X	#	#	#	Reading Teacher Rec. and MAP scores	
1 Year	1-H.S. 8-College	PHS / St Norbert College English Course [idx]	490B1X	_	_	_	X	See Course Description	

\+ Required Course

** College Prep Course

\# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and English Departments. Please contact the PHS counseling office with questions.

X Enrollment available to students in designated grade levels

[X] Department's recommended grade level for enrollment

[idx] This course is Grade Indexed

How to Select English Courses:

The courses in the English department are divided into different levels. To effectively select your English courses, follow the recommendation of your English teacher who will suggest levels best for you. The suggestions are based upon your abilities and needs in specific areas. When selecting courses, also consider your past successes or failures in both required and elective English courses. Your post-high school plans and parental and counseling department recommendations are also important considerations.

400B1X - ENGLISH 9			
Year Course	Grade 9 (#)	1 Credit	Prerequisite: None
Freshmen are required to take English 9 or Advanced English 9. This course integrates reading, writing, listening and speaking skills within each unit while still stressing the main unit topic(s). Each unit will be multi-faceted with an emphasis on moving toward higher level learning. Students will study communication, the writing process, paragraph and composition structures, and various types of literature. Students will also work with language usage and vocabulary each week.			

403B1X - ADVANCED ENGLISH 9			
Year Course	Grade 9 (#)	1 Credit	Prerequisite: None
Freshmen are required to take English 9 or Advanced English 9. This course integrates reading, writing, listening, and speaking skills much like the English 9 course; however, the material emphasizes higher level thinking skills and a faster pace. Each unit will be multi-faceted with an emphasis on writing. Students who want to challenge themselves and/or who are considering College Credit English are encouraged to enroll.			

405B1X - ENGLISH 10			
Year Course	Grade 10 (#)	1 Credit	Prerequisite: English 9
Sophomores are required to take English 10 or Advanced English 10. This course integrates reading, writing, listening, and speaking skills and is designed to explore themes in literature. Writing focuses upon journals, essays and responses to literature. Emphasis is also placed on the development of grammar, usage, composition, speech, analytical reading, study skills, and vocabulary.			

408B1X - ADVANCED ENGLISH 10			
Year Course	Grade 10 (#)	1 Credit	Prerequisite: English 9
Sophomores are required to take English 10 or Advanced English 10. This course integrates reading, writing, listening, and speaking skills much like the English 10 course; however, the material emphasizes higher level thinking skills and a faster pace. Each unit emphasizes analytical writing skills. This course is a prerequisite for College Credit English.			

410B1C - ENGLISH 11			
Semester Course	Grade 11 (#)	.5 Credit	Prerequisite: English 9 & 10
Juniors are required to take English 11 or Advanced English 11. This course integrates reading, writing, listening, and speaking skills and is designed to explore themes in both fiction and non-fiction literature. Writing focuses upon journals, essays, and responses to American and British works. Emphasis is also placed on the development of grammar, usage, composition, speech, analytical reading, study skills, and vocabulary. Various classroom technologies will allow for innovative, collaborative, creative, and critical thinking.			

413B1A - ADVANCED ENGLISH 11			
Semester Course	Grade 11 (#)	.5 Credit	Prerequisite: English 9 & 10
Juniors are required to take English 11 or Advanced English 11. This course integrates reading, writing, listening, and speaking skills and is designed to explore themes in both fiction and non-fiction literature. Writing focuses upon journals, essays, and responses to American and British works. Emphasis is also placed on the development of grammar, usage, composition, speech, analytical reading, study skills, and vocabulary. Various classroom technologies will allow for innovative, collaborative, creative, and critical thinking. Students who were successful in Advanced English 10 should enroll in Advanced English 11. This course is a prerequisite for College Credit English.			

420B1C – COMMUNICATING-WRITING *			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: English 9 & 10
This writing course is designed to strengthen composition skills for the technical world in which we live. The writing process will be studied as students develop memos, business letters, technical documents, and reports. Students work on cover letters, resumes, portfolios and interview skills. Correct grammar usage and mechanics will be reinforced through the student's writing. Recommended for students bound for technical school and/or the world of work. ***This course carries advanced standing for NWTC's Communicating - Writing (31-801-385) if the student earns a "B" or better when taken as a junior or senior.**			

422B1C - CREATIVE WRITING			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: English 9 & 10
Creative Writing is for students wishing to write effectively and creatively. The course will stress creativity and standard usage in equal measures. Students and teacher will work together on an individual basis to develop writing talent. Description, short story, essay, humor, drama, fiction, and poetry will offer students possible forms in which to display their talents. This class is for those who truly enjoy writing and would like to share their ideas with others. This is a college bound course. ***PHS is in the process of establishing a creative writing partnership with UWGB. Once this partnership is established, students may be able to receive 3 transcripted English credits at UWGB following successful completion of a portfolio review by UWGB faculty. A fee of $90 is required to exercise this option.**			

423B1C - EXPOSITORY WRITING			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: English 9 & 10
This semester class focuses on advanced writing skills and how to set forth ideas in a formal pattern. Research and documenting sources is also emphasized. This course is especially recommended for college-bound students and is one of the prerequisites for College Credit English.			

425B1C – CONTEMPORARY LITERATURE			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: English 9 & 10
This course will engage students in a thematic study of contemporary literature written over the last several decades. Students will critically examine how literature reflects different perspectives of society and become acquainted with reading possibilities for the future. This course is designed primarily for non-college bound students.			

426B1C – THE NOVEL			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: English 9 & 10
The Novel is intended for average or above average readers who want to increase their understanding and appreciation of literature. A wide variety of novels will be discussed and explored through reflective, analytical, and creative writing. The novels range from young adult literature to college level classics.			

427B1C - AMERICAN LITERATURE			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: English 9 & 10
This course consists of study in four major literary areas: fiction, non-fiction, drama, and poetry. The course surveys literature from colonial times to the present. The class is recommended for students who possess a high interest in the quality literature of their country. College-bound students will find American Literature especially helpful, but this course is recommended for all students with an interest in America's literary development.			

428B1B - BRITISH LITERATURE			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: English 9 & 10
This college prep class surveys British Literature from the earliest known English writing to the present; it is based on a historical format and emphasizes the works of classical authors such as Chaucer, Shakespeare, Milton, Wordsworth, Swift, Tennyson, Keats, etc. Emphasis will also be placed on writing analytical essays. The course will provide background for further study in literature. This class is recommended for college-bound students.			

430B1A - STUDY OF MEDIA			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: None
Study of Media is a course designed to help students improve their understanding of the function, processes, and issues surrounding electronic media. By taking on the role of electronic media producers, students will gain a deeper appreciation for and become critical consumers of media. To that end, students will learn a variety of video production skills and techniques. Students apply this knowledge as they create video projects such as slideshows, voiceovers, commercials, video essays, short documentaries, and more.			

431B1B - WRITTEN LANGUAGE SKILLS			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: English 9 & 10
This class involves an in-depth study of the structure of English. College-bound students, as well as those preparing to enter the business world, will receive advanced grammatical, organizational, and structural training in effective use of English.			

432B1C – COMMUNICATIONS			
Semester Course	Grades 10-12 (#)	.5 Credit	Prerequisite: English 9
This course offers the student many opportunities for both written and spoken communication. Practical skills in writing, research, organization and delivery of the written work are stressed. Emphasis on informational and persuasive types of composition forms the basis of student work. As a result of the numerous speech presentations, students gain poise and confidence in their public speaking skills.			

433B1A - ANALYSIS OF DRAMA			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Students will study drama as a literary genre. Classical drama will be read, analyzed, and critiqued. The class will emphasize written analysis of a variety of playwrights and their works. Along with this study, techniques of dramaturgy will be analyzed. A major focus for the course will be the student's understanding, interpretation and analysis of the many facets of drama.			

435B1C – ORAL/INTERPERSONAL COMMUNICATION *			
Semester Course	Grades 11-12	.5 Credit	Prerequisite: English 9 & 10
Oral/Interpersonal Communication examines the communication process, perception and self-concept, language, listening, nonverbal communication, interpersonal relationships, communication in groups and public communication. As part of the course requirements, students will prepare and deliver an oral presentation. By taking this course students can begin fulfilling requirements and building a transcript toward a program of study at NWTC. *** This course is transcripted with NWTC's Oral/Interpersonal Communication (10-801-196) when taken as a junior or senior.**			

440B1A – PULASKI NEWS PUBLICATION – BEGINNING			
Semester Course	Grades 10-12 (#)	.5 Credit	Prerequisite: English 9
Composition for Publication Beginning is a writing course. Students will learn the various forms of published written work. Student work will be published in the Pulaski News. Writing style will be stressed along with grammar, usage, sentence structure, spelling and other language mechanics. Students will also learn the rights and associated responsibilities of the free press.			

441B1B – PULASKI NEWS PUBLICATION – ADVANCED 1			
Semester Course	Grades 10-12 (#)	.5 Credit	Prerequisite: Pulaski News Publications – Beginning
Composition for Publication Advanced is composed of students who have completed Composition for Publication Beginning and would like to further develop their composition skills. Student work will be published in the Pulaski News. Students learn publication planning and analysis. The responsibilities of a free press are again stressed.			

442B1Y – PULASKI NEWS PUBLICATION – ADVANCED 2			
Year Course	Grades 11-12 (#)	1 Credit	Prerequisites: Pulaski News Publications - Advanced 1
This course further advances the students' writing skills. The students initiate article assignments, write articles, and produce the Pulaski News. Students use skills learned in the introductory courses to write a community paper, the Pulaski News. Pulaski High School is the only school in the U.S. to fully staff and write a community newspaper.			

450B1A – DEVELOPMENTAL READING			
Semester Course	Grades 10-11 (#)	.5 Credit	Prerequisite: Reading teacher recommendation and MAP scores.
Developmental reading is a reading skills course available to sophomores and juniors who are below grade level in reading competencies. Emphasis in this course will be on vocabulary development, reading comprehension, reading rate, word attack, and reading for pleasure. This course will provide reading remediation and correction. Admission to the course will be based on spring MAP scores (9^{th}- 218 or below/ 10^{th}-221 or below) and teacher recommendation.			

455B1A – ACADEMIC LITERACY A & 456B1B – ACADEMIC LITERACY B			
Semester Course (455B1A Fall) Semester Course (456B1B Spring)	Grade 9 (#)	.5 Credit	Prerequisite: Reading Teacher and MAP scores

Freshmen's reading focuses on improving reading skills. Students work on improving word attack skills, reading rate, vocabulary, and reading comprehension. Reading for pleasure is also emphasized. Students also work on improving reading skills across the curriculum, particularly in the areas of social studies, science, math and literature. This course will provide reading remediation and correction. Admission to the course will be based on spring eighth grade maps reading scores (8^{th}-215 or below) and teacher recommendations. *It would be most beneficial if students took both semesters consecutively, but students will be allowed to take one semester for ½ credit if that is the only option available when scheduling.

490B1X - PHS / ST. NORBERT COLLEGE ENGLISH COURSE			Grade Indexed (see pg 17)
Year Course	Grade 12	1 Credit	Prerequisite: See below

Pulaski High School and St. Norbert College have a partnership that allows Pulaski students to receive college credits without leaving the PHS campus. St. Norbert College will grant four credits per course, which are accepted at nearly every college and university in the world. These two courses have college level standards. The courses are demanding, but the rewards are great for those willing to make the commitment.

Students must pass both courses in order to receive any college credits. The first semester course is COLLEGE COMPOSITION (SNC EN101) and second semester is COLLEGE INTRODUCTION TO LITERATURE (SNC EN150). Students must register for both courses.

COLLEGE COMPOSITION (SNC EN101)
COLLEGE INTRODUCTION TO LITERATURE (SNC EN150)
(Seniors only) Students receive ½ high school credit and 4 college credits per course per semester.

Prerequisites:
1. Seniors with a minimum 3.0 overall grade point average with very strong English grades
2. Acceptable score on the St. Norbert College placement tests.
   (Register for the test in Dec.-Jan.)
3. St. Norbert College fee - $360 for the entire 8 credits. Books will be provided.
4. Successful completion of both semesters of Advanced English 10.
5. Students wishing to enroll in this course must have at least a B+ in both Expository Writing and Advanced English 11
6. Teacher recommendation.

These courses develop composition skills through an in-depth study of literature and a systematic series of rhetorical exercises. In addition, this course develops student skills in the reading and analysis of drama, poetry, and fiction. Besides continued practice in analytical writing, the student will do an extended research paper. Both semesters of work are directed not only by the teacher of the class but also by in-class visits from a St. Norbert College Coordinator. Students also enjoy the privilege of using the Mulva Library on the St. Norbert College Campus. Students will be receiving two semester grades from St. Norbert College as well as two semester grades from Pulaski High School.

FAMILY and CONSUMER SCIENCE

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN FAMILY and CONSUMER SCIENCE

Registered Nurse
Food Scientist
Executive Chef
Educator
Social Worker
Restaurant Owner/Manager
Psychiatric Social Worker
Apparel Designer
Interior Designer
Paramedic
School Counselor
Sous Chef
Certified Nursing Assistant
Pastry Chef
Child Care Director
Technical Education Instructor
Food Promotion Specialist
Food Systems Manager
Caterer
Fashion Buyers
Food Critic
Dietary Technician
Food Packaging Designer
Merchandiser
Tourism Manager
Dietitian
Pathologist
Hotel Manager
Event Planner
Pharmacist
Grief Counselor
Special Education Teacher
Occupational Therapist
Home Services Director
Extension Service Agent
Apparel Product Management
Food and Beverage Manager
Dietary Consultant
Home Day Care Provider
Physical Therapist
Marriage and Family Counselor
Hotel Manager
Health and Wellness Coordinator
Vocational Teacher
Retail Buyer
Dental Hygienist
Human Resource Manager
Food Stylist

FAMILY and CONSUMER SCIENCE

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Sem	.5	Personal Growth & Financial Living	500B1C	_	_	X	X	
1 Sem	.5	Foods for Life	502B1C	X	X	X	X	
1 Sem	.5	Baking & Pastry Arts	504B1C	X	X	X	X	Foods for Life
1 Sem	.5	Tastes of Culture	506B1A	X	X	X	X	Foods for Life
1 Year	1	Culinary Arts 1	508B1Y	_	X	X	X	Foods for Life
1 Year	1	Culinary Arts 2	509B1Y	_	X	X	X	Current or Completed Enrollment in Culinary Arts 1
1 Sem	.5	Food Science-ES	511B1C	_	X	X	X	
1 Sem	.5	Housing & Interior Design	516B1B	X	X	X	X	
1 Sem	.5	Fashion Design and Construction	517B1A	X	X	X	X	
1 Sem	.5	Family Futures	519B1B	X	X	X	X	
1 Sem	.5	Child Adolescent Development	521B1A	_	X	X	X	
1 Sem	.5	Introduction to Educational Practices	523B1A	_	#	X	X	
1 Sem	.5	Health Occupations 1	524B1C	X	X	X	X	
1 Sem	.5	Health Occupations 2	525B1C	X	X	X	X	Health Occupations 1
1 Sem	.5	Medical Terminology	526B1C	_	#	X	X	
1 Sem	.5	Culture of Healthcare	528B1B	_	_	X	X	
1 Sem	.5	Digital Literacy Healthcare	530B1B	_	_	X	X	
1 Sem	1	Nursing Assistant Program	532B1C	_	_	X	X	See course description
1 Year	.5	FACE Occupations Co-op Class	COPFCY	_	_	_	X	See course description
1 Year	1	FACE Co-Op Job	COPFWC	_	_	_	X	See course description

\# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and Family and Consumer Science Departments. Please contact the PHS counseling office with questions.

X Enrollment available to students in designated grade levels

ES Denotes "Equivalent Science"—The Wisconsin Department of Instruction and the UW System has designated these courses as science equivalent courses. Most UW System campuses will count the completion of one or more approved science equivalent courses as the third unit of science as long as the student has taken some combination of biology/chemistry/physics for the other two units.

500B1C – PERSONAL GROWTH & FINANCIAL LIVING			
Semester Course	Grades 11–12	.5 Credit	Prerequisite: None
Formerly named Independent Living, this course is designed to strengthen the connections between the student and life following graduation. Students will explore issues related to well-being and the role of personal responsibility including managing time, and stress; as well as utilizing personal finance strategies to make informed decisions about managing money, using credit cards, making major purchases, and investments. In general, the course content increases awareness of the relationship between our lifestyle choices and how they relate to an improved sense of meaning, purpose and well-being. This course fulfills the Personal Financial Management graduation credit requirement.			

502B1C – FOODS FOR LIFE			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
Welcome to the world of cooking! This course trains students to prepare made-from-scratch foods. The first half of the course is dedicated to safety/sanitation in the kitchen while cooking with grains, fruits, vegetables, protein, and dairy products. The second half of the class connects the culinary concepts/techniques with nutrition/meal management in preparing wholesome, nutrient-rich recipes. **Weekly food labs**, often with student teams choosing their own recipes, will be an integral component of this course.			

504B1C – BAKING & PASTRY ARTS			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: Foods for Life
Baking & Pastry Arts students will take on the world of pastry chefs! Baking principles and procedures will be examined and applied through **hands-on practice and weekly food labs** of a variety of recipes, including pastries, cakes and cake decorating, cookies, yeast breads, chocolate work, and plated desserts. Students will also explore gluten-free baking recipe planning and preparation, as well as altering and preparing recipes to address other allergies and/or dietary restrictions.			

506B1A – TASTES OF CULTURE			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: Foods for Life
Tastes of Culture course explores connections between what we eat and cultures around us, including local, the United States, and throughout the world. Culinary, geographical, and cultural traditions of United States, Italy, Greece, Germany, India, Africa, Japan, China, and other areas of interest to students will be examined and applied through **hands-on practice and weekly food labs**. Student will also analyze world hunger and examine personal and global changes that can be made to help combat this societal issue.			

508B1Y - CULINARY ARTS 1 *			
Year Course	Grades 10–12	1 Credit	Prerequisite: Foods for Life
Following enrollment in Foods for Life, Culinary Arts 1 students will develop career-readying skills and techniques needed for success in the restaurant and foodservice industries. Units include Introduction to Hospitality, Advanced Knife Skills, Foodservice Equipment and Cooking Techniques, Stocks & Soups, Food/Product Development, Potatoes & Grains, Front-of-the-House Strategies, Management Essentials, as well as other culinary opportunities such as school/community catering, ProStart competition (see below), and Gingerbread Creations. **Weekly food labs** will be an integral part of the course and will also include catering school/community events. **** Concurrent enrollment in Culinary Arts 1 and Culinary Arts 2 is allowed** ***ProStart Program Overview:*** The National Restaurant Association Educational Foundation's (NRAEF) prepares students for the restaurant and foodservice industry through classroom experiences, opportunities for mentored work experiences, and/or participation in state and national competitions (optional). Culinary and Management competition will team students with professional chef mentors in developing menus and restaurant concepts for state competition resulting in numerous scholarship opportunities for local and national culinary post-secondary schools. * National Restaurant Association Year One certificates will be available to students who complete the course and pass the Level One Exam *(Certificates are optional and is not mandatory to be a member of the class)* ** If students complete Culinary Arts 1 and 2 and earn the ProStart certificate, students may earn up to **10 credits at the University of Wisconsin-Stout**, as well as earn opportunities to opt out of certain courses at various culinary schools across the country. See additional details below under the Culinary Arts 2 description. ***This course carries advanced standing with NWTC's Hospitality Finance (10-109-126) if the student earns a "B" or better when taken as a junior or senior.**			

509B1Y - CULINARY ARTS 2 *			
Year Course	Grades 10–12	1 Credit	Prerequisite: Foods for Life AND completed OR concurrent enrollment Culinary Arts 1

Following or taking concurrently with Culinary Arts 1, students will continue the ProStart program in developing career-readying skills and techniques needed for success in the restaurant and foodservice industries. Units include Breakfast Foods & Sandwiches, Nutrition Menu Management, Salads & Garnishing, Desserts & Baked Goods, Purchasing/Inventory Control, Restaurant Marketing, Global Cuisine, as well as other culinary opportunities such as school/community catering, and ProStart competitions (see below). **Weekly food labs** will be an integral part of the course and will also include catering school/community events. **** Concurrent enrollment in Culinary Arts 1 and Culinary Arts 2 is allowed**

ProStart Program Overview: See detailed description under Culinary Arts 1

* National Restaurant Association Year Two certificates will be available to students who complete the course, pass the Level Two Exam, and document **400 hours of work experience in the foodservice industry during their enrollment in Culinary Arts 1 and 2** *(Certificates are optional; work experience is not mandatory to be a member of the class)*

** If students **complete Culinary Arts 1 and 2** and earn the ProStart certificate, students may earn up to **10 credits at the University of Wisconsin-Stout**, as well as earn opportunities to opt out of certain courses at various culinary schools across the country.

***This course carries advanced standing with NWTC's Hospitality Facilities Management (10-109-127) if the student earns a "B" or better when taken as a junior or senior.**

511B1C - FOOD SCIENCE-ES			
Semester Course	Grades 10-12	.5 Credit	Prerequisite: None

Food Science is designed to enhance student's knowledge of scientific principles and processes through the study of foods and nutrition. An in-depth understanding of science as it applies to foods will assist students to understand the food industry as well as food preparation in their daily lives. Students will be involved in experiential, hands-on lab activities and experiments to reinforce the connection between science and food.

516B1B - HOUSING AND INTERIOR DESIGN			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None

This course provides students the chance to tap into their creativity by exploring the world of design. Topics will include principles/goals/elements of design, furniture arrangement, painting/faux finishes, Feng Shui, and housing styles. In addition, students will create computer generated design boards used by interior designers in the industry.

517B1A - FASHION DESIGN AND CONSTRUCTION			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None

This class applies lifelong skills that will teach the students how to sew for themselves, others, and the home. Students will investigate such topics as fashion terminology, designers, impacts of color, basics of a sewing machine, and how to create a garment with and without a pattern. Students will also sketch original designs that can be turned into garments. The students will need to pay for their own materials for their final projects.

519B1B - FAMILY FUTURES			
Semester Course	Grades 9–12	.5 Credit	Prerequisite: None

In Family Futures, students focus on the well-being of the family, learning concepts and skills useful careers in human services, such as social-work and counseling. A variety of family/human needs topics will be addressed such as family dynamics, crisis management, and how to empower families with use of available resources/services, especially for families in need. Project-based learning opportunities are offered to strengthen families and help improve our own community.

521B1A - CHILD ADOLESCENT DEVELOPMENT *			
Semester Course	Grades 10-12	.5 Credit	Prerequisite: None

This course focuses on the importance of the roles parents perform to guide the development of children from the state of conception to the age of eighteen. Some topics include: preparation for pregnancy and prenatal development; physical, intellectual, social, emotional and moral development of children; and characteristics of children with special needs.

***This course is transcripted with NWTC's Child/Adolescent Development (10-522-106) when taken as a junior or senior.**

523B1A - INTRODUCTION TO EDUCATIONAL PRACTICES *			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: None
Students enrolled in this course will learn how to work with children of all age levels to prepare for a future career in education. Topics will include current trends/issues in education, multiple intelligences, brain-based research, and working with diverse populations. Students will create math games, science experiments, bulletin boards and other educational classroom materials. In addition, students will work directly with young children to practice their teaching skills, which may include story times, adding music to your classroom, and utilizing basic guidance strategies. ***This course is transcripted with NWTC's Introduction to Educational Practices (10-522-103) when taken as a junior or senior.**			

524B1C - HEALTH OCCUPATIONS 1			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: None
This course will allow students the opportunity to explore the many employment possibilities in the health occupations field, while also preparing for future courses in the medical area. Students attain knowledge and skills that will prepare them for entry level jobs in the health occupation areas, covering information such as legal responsibilities & ethics, infection control, medical terminology, health care systems, and safety. Current events in the health field will also be an integral part of this course.			

525B1C - HEALTH OCCUPATIONS 2			
Semester Course	Grades 9-12	.5 Credit	Prerequisite: Health Occupations 1
After taking Health Occupations 1, students in Health Occupations 2 have the opportunity to have a more in-depth look at the employment possibilities in the health industry. Students will explore health career clusters in order to attain valuable information in making their career choice in the medical field. Students will take an in-depth look at the makeup of the body and all the body systems as well as have the opportunity to receive American Heart Association First Aid and CPR/AED training.			

526B1C - MEDICAL TERMINOLOGY *			
Semester Course	Grades 11-12 (#)	.5 Credit	Prerequisite: None
This course focuses on the component parts of medical terms necessary for those interested in health related careers. Students are introduced to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology. In addition, they will practice formation, analysis and reconstruction of terms using proper spelling, definitions and pronunciation. ***This course is transcripted with NWTC's Medical Terminology (10-501-101) when taken as a junior or senior.** ****Upon completion of this course as well as Culture of Healthcare (10-501-104) and Digital Literacy Healthcare (10-501-107) you are eligible for the Healthcare Customer Service Representative Pathway Certificate.**			

528B1B – CULTURE OF HEALTHCARE *			
Semester Course	Grades 11-12	.5 Credit	Prerequisite: None
This course is designed as an introduction to customer service for learners interested in working in various healthcare settings. Students will investigate healthcare systems, safety standards, and the workforce, while examining professionalism, interpersonal and written communication skills, and confidentiality as they relate to customer service in healthcare. ***This course is transcripted with NWTC's Culture of Healthcare (10-501-104) when taken as a junior or senior.** ****Upon completion of this course as well as Medical Terminology (10-501-101) and Digital Literacy Healthcare (10-501-107) you are eligible for the Healthcare Customer Service Representative Pathway Certificate.**			

530B1B – DIGITAL LITERACY HEALTHCARE *			
Semester Course	Grades 11-12	.5 Credit	Prerequisite: None
This course provides an introduction to basic computer functions and applications utilized in contemporary healthcare settings. Students are introduced to the hardware and software of components of modern computer systems and the application of computers in the workplace. The course emphasizes the uses in the healthcare field of common software packages, operating systems, file management, word processing, spreadsheet, database, internet, and electronic mail. ***This course is transcripted with NWTC's Digital Literacy Healthcare (10-501-107) when taken as a junior or senior.** ****Upon completion of this course as well as Medical Terminology (10-501-101) and Culture of Healthcare (10-501-104) you are eligible for the Healthcare Customer Service Representative Pathway Certificate.**			

532B1C – NURSING ASSISTANT PROGRAM *			
Semester Course	Grades 11-12	1 Credit	Prerequisite: Must be at least 16 years old and must be accepted into the NWTC Nursing Assistant Program

This class certifies students for beginning employment in the health and nursing field as a Certified Nursing Assistant (CNA), a job in high demand. Technical Colleges as well as many other health programs are requiring CNA certification as an entry requirement. The classroom phase includes specific nursing skills, safety in the healthcare setting, and communicating with the patient, family and co-workers.

For certification, students are required to complete 32 hours, which may be outside of the school day, in a clinical experience and pass a state competency exam. Clinical experience typically begins approximately two months after the Nursing Assistance course begins. Requirements of the clinical experience include the following: a TB skin test, a recommended Hepatitis B vaccination, completion of a background information disclosure form, and holding to a strict attendance policy. Students must also earn a C (77%) or better to participate in clinicals and be eligible for the state competency exam.

The Pulaski Community School District is required to comply with the Wisconsin Caregiver Law (1997 WISCONSIN ACT 27). For clinical entrance, students must complete a background information disclosure form. The information provided on this form must be truthful and match any findings on the criminal record check. Students with a criminal history may be denied access to placement at the discretion of the clinical site. Students interested in participating in the clinical experience to receive state certification will need to be able to push, pull, lift, and/or support up to 50 pounds of weight.

Students must apply for the CNA Program through Youth Options. **See page 13.**

COPFCY - FAMILY AND CONSUMER SCIENCE COOPERATIVE CLASS			
Year Course	Grade 12	.5 Credit	Prerequisite: See below

This senior-level course is designed for students interested in a school-day work experience their senior year. Topics covered include career opportunities, career decision-making process, human relations in the workplace (teamwork, leadership, ethics, sexual harassment, attitude), communications (listening, speaking, writing), legal aspects of employment (payroll, unions), and job-seeking skills.

This is a required course for participation in the co-op work experience.

COPFWC - FAMILY AND CONSUMER SCIENCE COOPERATIVE WORK EXPERIENCE			
Year Course	Grade 12	1 Credit	Prerequisite: See Below

Students are able to apply classroom skills by participating in a work-release program.

Students enrolled in course COPFWC must obtain a job in a *FACS-related* career cluster:

Education and Training: Childcare facilities, Educational aide
Health Science: Certified Nurses Assistant (CNA), other Hospital or Nursing care programs/support services
Hospitality and Tourism: Foodservice, Lodging, Travel and Tourism, Recreation programs
Human Services: Childcare facilities, Consumer services, Personal care services, Community centers
Arts, A/V Technology and Communication: Clothing and/or Interior Design Retail, Design, Repair

Note: Student can elect to take the classroom portion (COPFCY) without participating in the job site portion (COPFWC). Students must take the classroom portion if they elect to participate in the job site portion.

MATHEMATICS

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN MATHEMATICS

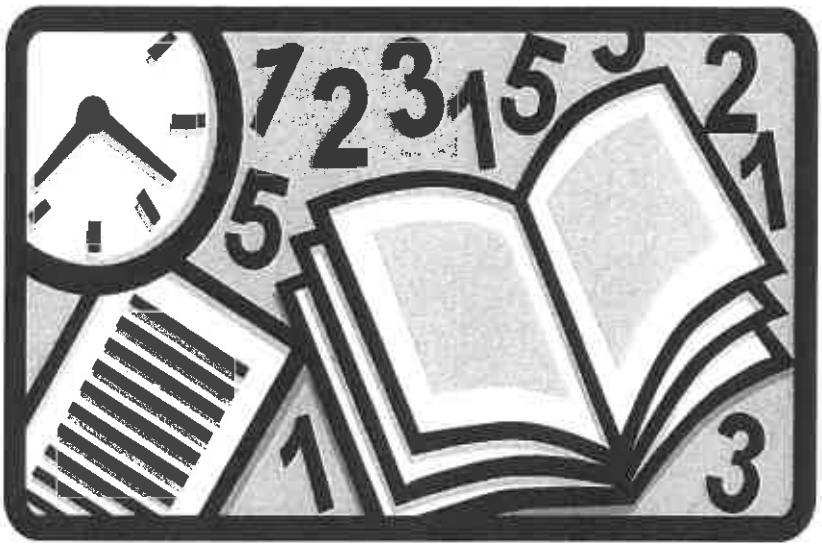
All Engineers Chemist Architect Economist

Forester Dentist Mathematics Teacher

Actuarial Clerk Worker Broadcasting Technician Electrician

Statistician/Business Dental Technician Broadcasting Technician

Commercial Draftsperson Development Technician Engineering Navigator

Airplane Pilot  Surveyor

Optometrist Physician

Bookkeeper Banker

Insurance Carpenter

Aerospace Plumber

Secretary Bank Cashier

Business Education Teacher Technician (Analyst & Engineering)

Machinist Electronic Technician Actuary Accountant

Systems Analyst Mathematical Statistician

MATHEMATICS

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Year	1	Math 1A	200B1X	X	X	_	_	Placement by the Math Department
1 Year	1	Math 1	204B1X	X	X	_	_	Placement by the Math Department
1 Year	1	Math 1 Advanced	206B1X	X	_	_	_	Placement by the Math Department
1 Year	1	Math 2A	210B1X	_	X	X	_	Math 1 or Math 1A
1 Year	1	Math 2	214B1X	X	X	X	_	Math 1
1 Year	1	Math 2 Advanced	216B1X	X	X	X	_	Math 1
1 Year	1	Math 3A	220B1X	#	X	X	X	Math 2 or Math 2A
1 Year	1	Math 3	224B1X	#	X	X	X	Math 2
1 Year	1	Math 3 Advanced	226B1X	#	X	X	X	Math 2 Advanced
1 Sem	.5	Math 1-Trades	240B1A	_	_	#	X	Math 2
1 Sem	.5	College Math	245B1B	_	_	#	X	Math 2
1 Sem	.5	Statistics	250B1C	#	X	X	X	Math 2 or Math 2 Advanced
1 Year	1	Advanced Placement Statistics [idx]	252B1X	#	X	X	X	Math 3 or Math 3 Advanced
1 Year	1	Math Analysis	255B1X	#	#	X	X	Math 3 or Math 3 Advanced
1 Year	1	Pre-Calculus	260B1X	#	#	X	X	Analysis or Math 3 Advanced
1 Year	1	PHS-SNC Calculus 1 [idx]	265B1X	_	_	X	X	Pre-Calculus and St. Norbert College Acceptance for SNC credit
1 Year	1	Advanced Placement Calculus 1 AB [idx]	266B1X	_	_	X	X	Pre-Calculus
1 Year	1	Calculus 1	267B1X	_	_	X	X	Pre-Calculus
1 Year	1	PHS-SNC Calculus 2 [idx]	275B1Y	_	_	_	X	Calculus 1
1 Year	1	Advanced Placement Calculus 2 BC [idx]	276B1Y	_	_	_	X	Calculus 1
1 Year	1	Calculus 2	277B1Y	_	_	_	X	Calculus 1

\# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and Math Departments. Please contact the PHS counseling department with questions.

[idx] This course is Grade Indexed

X Enrollment available to students in designated grade levels

[X] Department's recommended grade level for enrollment

200B1X – MATH 1A			
Year Course	Grades 9-10	1 Credit	Prerequisite: Placement by the high school Math Department
This course is designed as a first-year math course at the high school level for college-bound students. The students will gain a strong foundation in algebraic topics and skills, as well as topics in statistics, probability, and geometry. Students in this course find themselves engaged in various activities that have a strong problem solving emphasis. Regular daily assignments are required. A scientific calculator is required.			

204B1X – MATH 1			
Year Course	Grades 9-10	1 Credit	Prerequisite: Placement by the high school Math Department
The aim of the course is to introduce, clarify, unify, broaden and integrate the fundamental concepts of Algebra, while integrating topics from Statistics and Probability. Topics meeting the Common Core State Standards are explored while actively engaging students in a variety of best practices of mathematics instruction. Regular daily assignments are required. A scientific calculator is required.			

206B1X – MATH 1 ADVANCED			
Year Course	Grade 9	1 Credit	Prerequisite: Placement by the high school Math Department
The aim of the course is to introduce, clarify, unify, broaden and integrate the fundamental concepts of Algebra, Geometry, Trigonometry, Statistics and Probability with a strong emphasis on college preparatory Algebra. This class is oriented toward the student interested in pursuing a career in the science, technology, engineering or mathematics field. The Common Core State Standards are explored while actively engaging students in an effort to help them obtain a thorough understanding of mathematics. Regular daily assignments are required. A scientific calculator is required.			

210B1X – MATH 2A			
Year Course	Grades 10-11	1 Credit	Prerequisite: Math 1 or Math 1A
This course is designed to follow Math 1A or Math 1. This is the second course in a sequence of college preparatory courses. Emphasis will be given to geometry, statistics and probability, as well as a continued study of algebra topics. Students will be engaged in various activities meant to develop problem solving skills. Regular daily assignments are required. A scientific calculator is required.			

214B1X – MATH 2			
Year Course	Grades 9-11	1 Credit	Prerequisite: Math 1
The aim of the course is to introduce, clarify, unify, broaden and integrate the fundamental concepts of Algebra, Geometry, Trigonometry, Statistics and Probability with a strong emphasis on college preparatory Geometry. Topics meeting the Common Core State Standards are explored while actively engaging students in a variety of best practices of mathematics instruction. Regular daily assignments are required. A scientific calculator is required.			

216B1X– MATH 2 ADVANCED			
Year Course	Grades 9-11	1 Credit	Prerequisite: Math 1
The aim of the course is to introduce, clarify, unify, broaden and integrate the fundamental concepts of Algebra, Geometry, Trigonometry, Statistics and Probability with a strong emphasis on college preparatory Geometry. This class is oriented toward the student interested in pursuing a career in the science, technology, engineering or mathematics field. The Common Core State Standards are explored while actively engaging students in an effort to help them obtain a thorough understanding of mathematics. Regular daily assignments are required. A scientific calculator is required.			

220B1X – MATH 3A			
Year Course	Grade 10-12	1 Credit	Prerequisite: Math 2 or 2A
This course is designed to follow Math 2 or 2A. This is the third course in a sequence of college preparatory classes. Emphasis will be given to any geometry and probability topics not covered in Math 2A as well as to beginning concepts specific to a second year algebra course. Students will be engaged in various activities meant to develop problem solving skills. Regular daily assignments are required. A scientific calculator is required.			

224B1X – MATH 3			
Year Course	Grade 10-12	1 Credit	Prerequisite: Math 2
This course is designed to expand on the topics covered in Math 1 and Math 2. It reviews and clarifies many of the topics discussed in previous years, but has an emphasis on second year algebra content. It will cover any remaining concepts relating to Algebra, Geometry, Trigonometry, Statistics and Probability. Regular daily assignments are required. A scientific calculator is required.			

226B1X – MATH 3 ADVANCED			
Year Course	Grade 10-12	1 Credit	Prerequisite: Math 2 Advanced
The aim of this course is to introduce, clarify, unify, broaden, and integrate the fundamental concepts of algebra, geometry, trigonometry, statistics and probability with a strong emphasis on algebra 2 and trigonometry. Topics are explored while actively engaging students in a variety of best practices of mathematical instruction. The pace of instruction will be aimed towards college bound students interested in pursuing a field of study requiring a demanding and rigorous background in mathematics. Regular daily assignments are required. A scientific calculator is required.			

240B1A - MATH 1-TRADES *			
Semester Course	Grades 12 (#)	.5 Credit	Prerequisite: Math 2
Students who successfully complete this course as a junior or senior will receive technical college credit and this credit may transfer to other tech schools and colleges. Topics covered include mathematical applications of fractions, decimals, ratios, proportions and percent, linear, area and volume measurements, plane geometry and solid figures. Practical applications of mathematics are the focus of this course. ***This course is transcripted with NWTC's Math 1 – Trades course (10-804-101) for 2 credits when taken as a junior or senior.**			

245B1B - COLLEGE MATH *			
Semester Course	Grades 12 (#)	.5 Credit	Prerequisite: Math 2
Students who successfully complete this course will receive technical college credit and this credit may transfer to other tech schools and colleges. Topics covered include: algebra concepts, linear equations, laws of sine and cosine, inequalities and absolute values, systems of equations, factoring, oblique triangles and arc length. Practical applications of mathematics are the focus of this course. ***This course is transcripted with NWTC's College Math course (10-804-107) for 3 credits when taken as a junior or senior.**			

250B1C - STATISTICS			
Semester Course	Grades 10–12	.5 Credit	Prerequisite: Math 2 or Math 2 Advanced
This course broadens and enhances the understanding of statistical concepts introduced in earlier Algebra and Geometry courses. This class explores topics of descriptive and inferential statistics and hypothesis testing. This course is intended for those students planning on post-secondary education. A scientific calculator is required.			

252B1X – ADVANCED PLACEMENT STATISTICS			Grade Indexed (see pg 17)
Year Course	Grades 10–12 (#)	1 Credit	Prerequisite: Math 3 or Math 3 Advanced
This is a yearlong course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad areas of study: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. The results of the A.P. Exam will determine the level of advanced placement and college credit they may earn. A scientific calculator is required. Students will be required to take the Advanced Placement Test.			

255B1X - MATH ANALYSIS			
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Math 3 or Math 3 Advanced
This course extends the study of advanced mathematics beyond college prep algebra, geometry and Algebra 2 while exploring a variety of concepts. Topics include modeling, statistics, sequences, series, conic sections, advanced algebra, advanced trigonometry, vectors, logarithms, advanced functions and matrices. A scientific calculator is required.			

260B1X – PRE-CALCULUS			
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Analysis or Math 3 Advanced
This course extends the depth of study of advanced mathematics while exploring a variety of concepts including analytic geometry, vectors, conic sections, matrices, sequences, series and linear algebra. In addition, a theoretical and deeper understanding of advanced polynomial, exponential, logarithmic and trigonometric functions is explored. The tone of instruction will be aimed toward college bound students interested in a demanding and rigorous study of mathematics. A scientific calculator is required.			

265B1X - PHS-SNC CALCULUS 1			Grade Indexed (see pg 17)
Year Course	Grade 11-12	1 Credit	Prerequisite: Pre-Calculus and St. Norbert College Acceptance for SNC credit
This course will involve the theoretical development of the elements of Differential and Integral Calculus. The course content extends beyond that of a 1st semester college Calculus course. The tone of instruction will be aimed towards college bound students interested in a demanding and rigorous study of mathematics. Students successfully completing this course will receive 4 credits in Calculus 1 from St. Norbert College and students will be able to take the AP Calculus AB exam. One of the course requirements is to take the St. Norbert College final exam and the choice to take the AP Calculus AB exam.			

266B1X – ADVANCED PLACEMENT CALCULUS 1 AB			Grade Indexed (see pg 17)
Year Course	Grade 11-12	1 Credit	Prerequisite: Pre-Calculus
This course will cover the same curricula as the PHS-St. Norbert College Calculus class (265B1X) described above. The difference is that students in this course will not earn college credit through St. Norbert College. A scientific calculator is required. Students will be required to take the Advanced Placement Test.			

267B1X - CALCULUS 1			
Year Course	Grade 11-12	1 Credit	Prerequisite: Pre-Calculus
This course will cover the same curricula as the PHS-St. Norbert College Calculus class (265B1X) described above. The difference is that students in this course will not earn college credit through St. Norbert College. A scientific calculator is required. This course will not be grade indexed.			

275B1Y – PHS-SNC CALCULUS 2			Grade Indexed (see pg 17)
Year Course	Grade 12	1 Credit	Prerequisite: Calculus 1
This course gives students who have taken Calculus 1 prior to their senior year the opportunity to continue their study of mathematics while at PHS. It is an extension of topics addressed in Calculus 1, as well as a study of topics unique to a second course in Calculus. These topics include advanced integration techniques, using series to approximate functions, the calculus of vectors and first- and second-order differential equations. Students taking this course will receive 4 college credits from St. Norbert College, are required to take the St. Norbert final exam and may take the AP BC Calculus exam as well. The grade from St. Norbert is the same as the high school grade earned throughout the course. The fee for this course is paid in the fall.			

276B1Y - ADVANCED PLACEMENT CALCULUS 2 BC			Grade Indexed (see pg 17)
Year Course	Grade 12	1 Credit	Prerequisite: Calculus 1
This course gives students who have taken Calculus 1 prior to their senior year the opportunity to continue their study of mathematics while at PHS. This course will cover the same curricula of PHS-SNC Calculus 2 (275B1Y). Students taking this course are required to take the AP BC Calculus exam in May.			

277B1Y – CALCULUS 2			
Year Course	Grade 12	1 Credit	Prerequisite: Calculus 1
This course will cover the same curricula of PHS-SNC Calculus 2 (275B1Y). The difference is that students taking this course will not earn college credit through St. Norbert College and will not be taking the AB BC Calculus exam in May. This course will not be grade indexed.			

MUSIC

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN MUSIC

Composer

Arranger of Music

Clergy

Music Librarian

Music Supervisor

Musical Entertainer

Music Director

Choral Director

Piano Technician

Music Critic

Dancer

Comedian

Orchestrator

Impersonator

Organist & Pianist

Teacher

Actress/Actor

Popular Singer

Religious Education Director

Radio/TV Announcer

Sales Clerk

Choir Director

Concert Singer

Musician

Dramatic Reader

Radio/TV Director

Orchestra Leader

Sales Manager

Occupational Therapist

Recreational Therapist

Piano Tuner

Popular Singer

MUSIC

Course Length	Credit	Name of Course	Course Number	Curriculum Expectations	9	10	11	12	Prerequisite
1 Year	1	Symphonic Band	750B1Y	Lessons S&E Chamber Ensembles	X	#	#	#	Middle School band/music experience preferred
1 Year	1	Red Raider Concert Band	751B1Y	Lessons S&E Chamber Ensembles & Optional Solos	By Audition Only	X	X	X	Symphonic Band (Audition & Grade School Teacher Recommendation)
1 Year	1	Red Raider Wind Ensemble	752B1Y	Lessons S&E Chamber Ensembles & Solos	By Audition Only	X	X	X	Symphonic Band (Audition & Grade School Teacher Recommendation)
1 Year	.5	Red Raider Jazz Ensemble	753B1Y	Recorded practice portfolios	#	X	X	X	By Audition Only
1 Year	1	Concert Choir	757B1Y	Lessons S&E Chamber Ensembles	X	X	X	X	1yr of Treble Choir and an audition. All men are in this choir.
1 Year	1	Treble Choir	758B1Y	Lessons S&E Chamber Ensembles	X	X	X	X	None
1 Year	1	Men's Choir	759B1Y	S&E	X	X	X	X	None
1 Year	.5	Chamber Choir	760B1Y	S&E	—	X	X	X	Participation in Concert, Treble, or Men's Choir and an audition
1 Sem	.5	Music Technology	764B1C	TBD	—	—	X	X	None
1 Year	.5	Music Theory	765B1Y	TBD	X	X	X	X	None
1 Year	1	AP Music Theory [idx]	766B1Y		—	#	X	X	Music Theory exceptions may be granted after successful completion of the Music Theory class and consent of instructor.

\# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and Music Departments. Please contact the PHS counseling office with questions.

X Enrollment available to students in designated grade levels

[X] Department recommendation for enrollment

[idx] This course is Grade Indexed

S&E Solo & Ensemble

750B1Y - SYMPHONIC BAND			
Year Course	Grade 9 (#)	1 Credit	Prerequisite: None
Symphonic Band is a training band, preparing students for the Red Raider Band. In this band, fundamentals and basic skills are stressed more than performance. Musical terms, scales, arpeggios, and musical concepts such as balance, blend, intonation, and style are stressed. Previous instrumental experience in a middle school band is desirable as a prerequisite. However, students with a sincere desire to become a band member may do so without previous band experience by talking to the high school band instructor and receiving special permission.			

751B1Y - RED RAIDER CONCERT BAND			
Year Course	Grades 10-12 (#)	1 Credit	Prerequisite: See below
Prerequisite: Symphonic Band unless the student has received special permission from the band director as listed under the Red Raider Wind Ensemble course description. The Red Raider Concert Band is an intermediate band that performs Class B and Class A music literature. This is the band that most students in the Symphonic Band will advance to after their freshman year and allows them to become members of the Pep Band. Students continue to work on and improve their fundamental music skills through lessons, band drills, and theory work.			

752B1Y - RED RAIDER WIND ENSEMBLE			
Year Course	Grades 10-12 (#)	1 Credit	Prerequisite: Symphonic Band
Red Raider Wind Ensemble is an advanced band that performs Class A music literature. Fundamentals of musicianship and music theory are stressed and then utilized through the practice and performance of the music. Students in this band develop high musical standards that give them variety of music. Auditions are required for admittance; however, students may be moved based upon instrumentation needs. Special permission for freshmen will be granted if the student meets the following criteria: 1. A recommendation from the grade school Band instructor. 2. A personal audition with the high school Band Director. 3. Final determination made based upon the above two criteria and the instrument need in the Red Raider Band.			

753B1Y - RED RAIDER JAZZ ENSEMBLE			
Year Course	Grades 10-12 (#)	.5 Credit	Prerequisite: By audition only
The Red Raider Jazz Ensemble is a highly select group chosen through audition only. All members must be enrolled in another music performance class. This class is intended for students who have already participated in other jazz groups and wish to perform jazz at the highest level. Regular individual practice, listening to jazz, and sectionals are all expected. Members must be available to perform frequently throughout the year. This ensemble meets exclusively outside the school day, primarily in the morning before school and on Saturdays for performances. Because the course does not meet on a daily basis, students will receive .5 credits for the full year and grades will be based on attendance, effort and attitude. This course is not part of a student's regular class schedule so students do not sign up for the course on the Student Request Form. Contact the instructor if interested.			

757B1Y - CONCERT CHOIR			
Year Course	Grades 9-12	1 Credit	Prerequisite: 1yr. of Treble or Men's Choir and an audition.
This choir is an upper level choir of men and women. A variety of musical styles are done throughout the year including world, Holiday, sacred, secular and classical music. Higher levels of proficiency in singing technique and sight reading ability are developed to meet the demands of the difficult material sung. Auditions are required.			

758B1Y - TREBLE CHOIR			
Year Course	Grades 9-12	1 Credit	Prerequisite: None
A choir designed to develop reading and singing techniques and theory knowledge for women's voices. Any students without choral experience or who are developing their musical skills are placed in this choir. This choir should be used as a stepping stone for upper level groups. A variety of musical styles are done throughout the year including world, Holiday, sacred, secular and classical music. All freshmen women will be placed in this class. There is no prerequisite or audition for this choir.			

759B1Y - MEN'S CHOIR			
Year Course	Grades 9-12	1 Credit	Prerequisite: None
Men's choir is a choir to begin training the male voice in singing techniques, theory, and sight-singing in order to prepare them for Concert Choir. There is no prerequisite or audition for this choir. First time high school choir members and those who do not wish to audition for Concert Choir are encouraged to take this course. A variety of music will be studied throughout the year including classical, sacred, secular and barbershop quartets. All freshmen men will be placed in this choir.			

760B1Y - CHAMBER CHOIR			
Year Course	Grades 10-12	.5 Credit	Prerequisite: Participation in Concert, Treble, or Men's Choir and an Audition

This chorus is a highly select group chosen through extensive auditioning. All members must be enrolled in another choir class concurrently with chamber choir. This group strives for the highest level of singing proficiency. They perform a variety of styles of music. Singers must be available to perform frequently throughout the year. This course is in 2 semester blocks.

The group meets before school on Wednesdays & Fridays from 6:30 – 7:30 a.m. for ½ credit and each member must meet the minimum hours for rehearsal and performing. This course is not part of a student's regular class schedule so students do not sign up for the course on the Student Request Form. Anyone interested should see the choir director.

764B1C - MUSIC TECHNOLOGY (Space Limited)			
Semester Course	Grades 11-12	.5 Credit	Prerequisite: Not enrolled in band or choir or permission of instructor

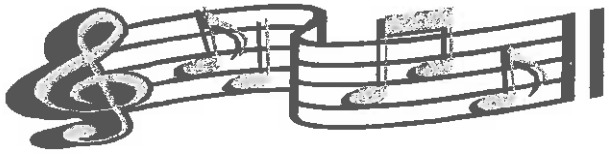
The purpose of this class is to teach students basic elements of music through computer software and technology. These elements include music theory (aural and written), composition, music analysis, and performance. The class will focus on students who do not have a strong music background. It will be a class that is intended for students who are not in a performance ensemble and want to experience music in high school. Students involved in a performing ensemble can be enrolled with the teacher's permission. Through this course students will be able to compose, transpose, and arrange music using modern technology. Students will show an understanding of musical concepts such as theory, musical styles, terms, and other applications. If the course allows, aspects of sound, microphones, mixing fundamentals, Midi, and processing technologies will be explored. Through this learning process students will apply what they are being taught into their projects.

765B1Y - MUSIC THEORY			
Year Course	Grades 9-12	.5 Credit	Prerequisite: None

This course is intended as a prerequisite to AP Music Theory. It is intended for the student considering a career in music in teaching, performance, or technical avenues. Instruction in reading, writing, sight singing, key signatures, and chord recognition are part of this course as well as basic rhythm and solfege techniques.

766B1Y - AP MUSIC THEORY			Grade Indexed (see pg 17)
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Music Theory. Exceptions may be granted after successful completion of an entrance exam and consent of instructor.

The purpose of this class is to give students a strong basis in sight singing and music theory. It is geared toward the student considering music as a major in further education. It will enable students to prepare for the AP Music Theory test or for the theoretical end of their placement tests for college, or college auditions.



PHYSICAL EDUCATION and HEALTH

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN PHYSICAL EDUCATION AND HEALTH

Organic Chemist

Orthopedic Surgeon

Public Health Engineer

Bacteriologist

Public Health Statistician

Sanitary Engineer

Dental Hygienist

Occupational Therapist

Osteopath

Veterinarian

Professional Athlete

Model

Chiropractor

Umpire

Physical Therapist

Social Worker

Teacher

Virologist

Public Health Educator

Sports Writer or Editor

Lifeguard

Laboratory Technician

X-Ray Technician

Business Administrator

Speech & Hearing Pathologist

Dentist

Dental Assistant

Swimming Instructor

Recreation Leader

Dental Technician

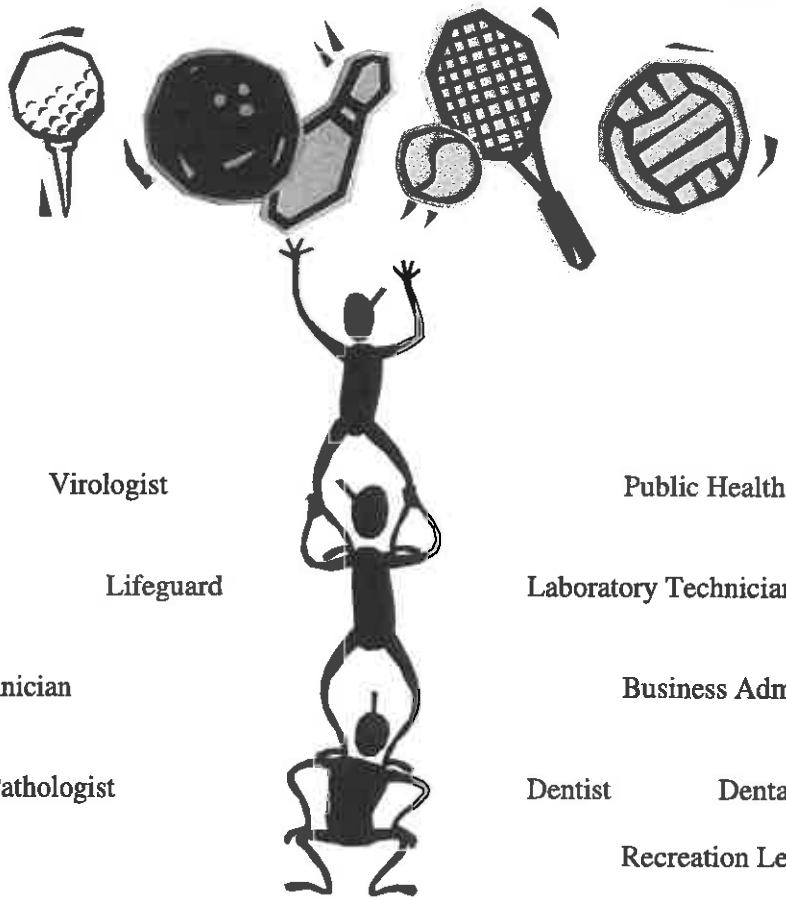
Athletic Coach

Practical Nurse

Fitness Instructor

Sports Trainer

Public Health Nurse



PHYSICAL EDUCATION

Requirements:

1. Freshman Physical Education is required during the freshman year.
2. A minimum of 1.5 credits is needed in Physical Education to graduate. Physical Education must appear on your transcript in 3 of 4 academic years at Pulaski High School (see your counselor for specific details regarding Summer School Phy Ed).
3. A Physical Education course may be repeated except Freshman Physical Education.

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Sem	.5	Freshmen Physical Education+	770L1C	X	__	__	__	None
1 Sem	.5	Lifetime Activities	772B1C	X	X	X	X	Freshmen Phy Ed
1 Sem	.5	Team Challenge	774B1C	X	X	X	X	Freshmen Phy Ed
1 Sem	.5	Fit for Life	777B1C	X	X	X	X	Freshmen Phy Ed
1 Sem	.5	Bigger / Faster / Stronger -Fall	780B1A	X	X	X	X	Freshmen Phy Ed
1 Sem	.5	Bigger / Faster / Stronger -Spring	780B1B	X	X	X	X	Freshmen Phy Ed
1 Sem	.5	Bigger / Faster / Stronger - GIRLS	781B1A	X	X	X	X	Freshmen Phy Ed
1 Sem	.5	Weight Lifting	783B1C	X	X	X	X	Freshmen Phy Ed
1 Sem	.5	Rackets/Paddles/ Sticks/Nets	787B1C	X	X	X	X	Freshmen Phy Ed
1 Year	.5	Leadership Class	789B1Y	__	__	X	X	See attached description
1 Sem	.5	Senior PE Gym	791B1C	__	__	__	X	Completion of PE requirement of 1.5 semesters
1 Sem	.5	Senior PE Fitness Center	792B1A	__	__	__	X	Completion of PE requirement of 1.5 semesters
1 Sem	.5	Summer School Physical Education	798B1S	__	X	X	X	Freshmen Phy Ed
1 Sem	.5	Health+	799B1B	X	X	X	X	

770L1C - FRESHMEN PHYSICAL EDUCATION (PDL & PHY ED 9)			
Semester Course	Grade 9 REQUIRED	.5 Credit	Prerequisite: None

This class is a combination of classroom learning and physical education.

Positive Decisions for Life (PDL) is the classroom portion. The focus of this course is healthy decision making in the physical, mental, social and emotional areas of wellness. Students should leave this course with the tools necessary to lead a positive healthy lifestyle while making decisions based on values. A variety of teen centered topics will be explored.

PE9 is a traditional fitness-based physical education setting exploring team sports, lifetime activities, fitness activities and an initial weight room orientation.

This course MUST be passed in order to take any future PE credits.

772B1C - LIFETIME ACTIVITIES			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: Freshmen Phy Ed

Lifetime activities is a non-traditional physical education course. The class includes one 30 minute cardio workout a week along with the following units that are covered throughout a semester: Badminton, step aerobics, yoga, pilates, golf, zumba, volleyball, softball, tennis, archery, yard games, weight training, fitness activities, and winter activities. If you enjoy the non-traditional physical education setting and want to get a good work out in, Lifetime Activities is for you.

774B1C - TEAM CHALLENGE			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: Freshmen Phy Ed

Team Challenge 1 is for students who enjoy competition in a "team" setting. Units include but are not limited to: football, softball, soccer, lacrosse, basketball, volleyball, team handball, fitness activities and more. Each unit will include developmental drills and skills as well as strategies building up to competitive team play. The required class project includes creating and teaching your own "team game" to the class. If you enjoy competition in a team setting, Team Challenge is for you.

777B1C - FIT FOR LIFE			
Semester Course	Grades 9 -12	.5 Credit	Prerequisite: Freshmen Phy Ed

This lifetime fitness class is tailored toward the fitness needs of the individual student. This activity-based class is presented in multi-levels that are designed for students who want to improve and build their overall cardiovascular fitness, physical abilities and muscle tone. Designed for individuals of all fitness levels and body types, this class will provide low impact options for inexperienced movers and high impact options for the experienced movers. Instructional units covered in this class are: Yoga, pilates, step routines, alternate strength activities, fitness games, weight training, walking, running, zumba, and nutrition. This class meets 3 days a week for an hour with one 30 minute classroom day which will cover fitness and nutrition basics.

780B1A – BIGGER / FASTER / STRONGER "BFS" FALL SEMESTER			
Semester Course	Grades 9 -12	.5 Credit	Prerequisite: Freshmen Phy Ed

Bigger / Faster / Stronger is a conditioning course geared toward the highly motivated student - athlete who wants to improve their strength, power, endurance, agility, and flexibility. The goal of this class is to improve student's athleticism off the field so they can reach their potential on the field. **All students will perform the specific BFS work out and conditioning programs**. We want our student- athletes working and sweating together toward the same common goal. Please talk with your coach and decide if in-season BFS if best for you, or if off-season BFS if best for you and choose accordingly.

780B1B – BIGGER/ FASTER/STRONGER "BFS" SPRING SEMESTER			
Semester Course	Grades 9 -12	.5 Credit	Prerequisite: Freshmen Phy Ed

Same description as course (780B1A) BIGGER / FASTER / STRONGER "BFS" FALL SEMESTER

781B1A – BIGGER/FASTER/STRONGER "BFS" GIRLS			
Semester Course	Grades 9 -12	.5 Credit	Prerequisite: Freshmen Phy Ed

This course is designed with the female athlete in mind. Girls only in this class. Course description and goal is the same as BFS.

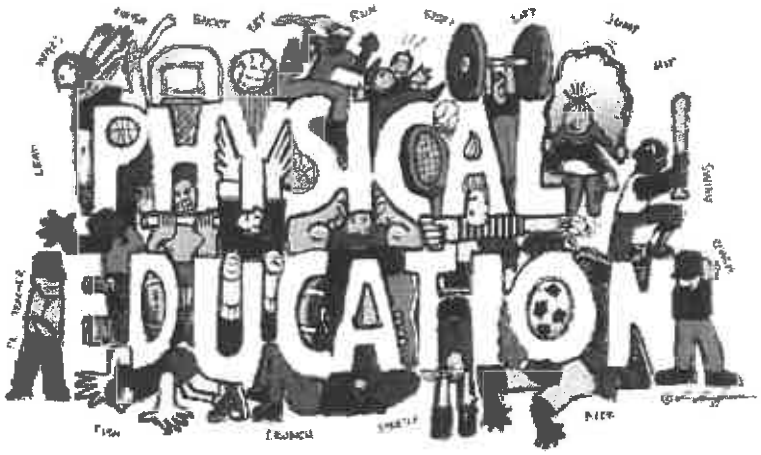
783B1C – WEIGHT LIFTING			
Semester Course	Grades 9 -12	.5 Credit	Prerequisite: Freshmen Phy Ed
Do you like lifting weights? Do you want to learn more about weight lifting and develop your own lifting program? If you answered YES to any these questions, this is the class for you. In weight lifting class you'll explore a wide variety of lifting exercises and techniques, learn how to lift safely and be able to develop your own lifting plan. Students will lift three days per week followed by a traditional cardio day. This class is different than Bigger / Faster / Stronger and geared toward students who like lifting on their own.			

787B1C – RACKETS / PADDLES / STICKS / NETS			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: Freshmen Phy Ed
Tennis anyone? How about badminton, table tennis or pickleball? This course is for the student who loves rackets, paddles, sticks and net games. Units include tennis, badminton, table tennis, pickleball, eclipseball, field hockey, lacrosse, volleyball, and more. If you love the above sports and excel in hand – eye coordination activities, this course if for you.			

789B1Y – LEADERSHIP			
Year Course	Grades 11 – 12	.5 Credit	Prerequisite: Current Officer/Captain of a club/sport OR Teacher/Coach letter of recommendation
In this course you'll explore possibilities, meet new challenges, and seek to strengthen leadership skills in all aspects of your school experience and beyond. This interactive course focuses on two themes, personal development as a leader and creating a positive change in our school and our community. Each week students are given an opportunity to work on their leadership skills through hands-on group activities in which you will gain valuable, real-life experiences. This course does NOT fulfill a PE credit requirement. It is an elective course only.			

791B1C – SENIOR PHY ED GYM			
Semester Course	Grades 12	.5 Credit	Prerequisite: Must have completed 1.5 semesters of PE. Must be a senior.
If you are a senior who has completed the required 1.5 PE credit requirement, yet want to stay active and utilize our gym space for a workout, Senior PE Gym is for you. Students and teacher will set up the weekly activities to participate in. Weather permitting, outside space will be utilized.			

792B1A – SENIOR PHY ED FITNESS CENTER			
Semester Course	Grades 12	.5 Credit	Prerequisite: Must have completed 1.5 semesters of PE. Must be a senior.
If you are a senior who has completed the required 1.5 PE credit requirement, yet want to stay active and utilize our fitness center for a workout, Senior PE Fitness Center is for you. Students will develop their own weekly workout utilizing weights and cardio machines in the fitness center.			



798B1S - SUMMER SCHOOL PHYSICAL EDUCATION			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: Freshmen Phy Ed

Summer School Physical Education class will explore lifetime fitness activities, individual/dual sport challenges, team challenges and will utilize the fitness center facility. Units will include ultimate frisbee, frisbee golf, biking, yard games, tennis, soccer, power walking, jogging, softball, swimming, and more. Also, students will design their own workout program utilizing the fitness center.

Dates: Monday, June 12 through Friday, July 21

Holiday: July 3-7

Times: 9:00 a.m. to 11:30 a.m.

Participants must be aware of the following requirements. Prior to the end of the school year, students and parents will sign a summer school contract confirming understanding of the below guidelines.

1. Students are expected to attend class every day.
2. Any unexcused absence results in being dropped from the class.
3. No more than 2 excused absences will be allowed.
4. Excused absences are illness, emergency or pre-arranged absences with instructor.
5. School sponsored events must be preapproved by the instructor and will NOT count as an absence. (Examples: Badger Boys State, Badger Girls State, School Mandatory Band Performance, etc.).
6. All excused absences will be made up on July 24th and/or July 25th.

*Credit will be issued during the fall semester of the upcoming school year.

HEALTH

799B1B - HEALTH			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Health is a semester long class in which students participate in a wide variety of activities and discussions concerning their physical and mental health. Topics studied help students understand behaviors that lead to a healthy lifestyle. Topics include: Personal Health, Human Growth & Development, Nutrition, Environmental Health, Mental & Emotional Health, Consumer & Community Health and Drugs, Alcohol & Tobacco. This course is required for graduation.

SCIENCE

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN SCIENCE

Teacher

Biochemist

Herpetologist

Entomologist

Physician/Surgeon

Pharmacist

Forester

Fish & Wildlife Service Worker

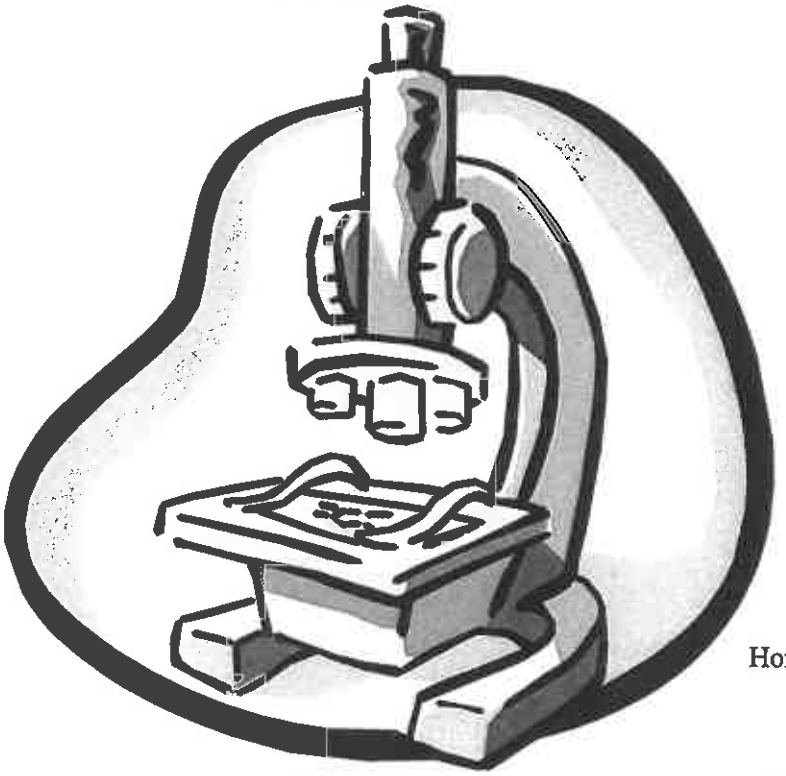
Dentist

Practical Nurse

Game Warden

Curator

All Types of Engineers



Forest Ranger

Zoologist

Anthropologist

Horticulturalist

Dietician

Bacteriologist

Immunologist

Laboratory Technician

Home Economist

Medical Secretary

Optometrist

Registered Nurse

Occupational Therapist

Ophthalmologist

Nuclear Technician

Veterinarian

Forensic Scientist

Drug Technician

Robotics Technician

Landscape Artist

Geologist

Dental Hygienist

SCIENCE

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
Sem 1	.5	Intro to Chemistry**	300B1A	X	X	X	X	
Sem 2	.5	Intro to Physics**	302B1B	X	X	X	X	
1 Year	1	Applications in Physical Science	303B1X	X	X	#	#	Recommended by 8th grade science instructor and School Counselor
1 Year	1	Physics**	307B1X	#	#	X	X	Math 1
1 Year	1	AP Physics 1 [idx]	309B1Y	-	-	X	X	See course description
1 Year	1	AP Physics 2 [idx]	310B1Y	-	-	X	X	AP Physics 1
1 Year	1	Chemistry**	320B1X	#	X	X	X	Math 1
1 Year	1	Biology**+	325B1X	X	X	X	X	
1 Year	1	Applications in Biology**+	327B1Y	X	X	X	X	Recommended by 8th grade science teacher and counselor or Applications in Physical Science
1 Year	1	AP Biology** [idx]	333B1Y	#	#	X	X	1 year of Biology with a "B" average
1 Year	1	AP Chemistry** [idx]	337B1X	#	#	X	X	See course description
1 Year	1	Earth Science**	340B1X	#	X	X	X	
1 Year	1	Basic Anatomy**	342B1X	-	#	X	X	Chemistry or Biology with a "C" or better
1 Year	1	General Anatomy & Physiology** [idx]	343B1X	-	#	X	X	1 year of Biology with a "B" average, "C" or better in Chemistry required.
1 Year	1	AP Environmental Science** [idx]	345B1X	-	X	X	X	Math 1 and Biology

\+ Required Course

** College Prep Course

[idx] Course is Grade Indexed

\# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and Science Departments. Please contact the PHS counseling office with questions.

X Enrollment available to students in designated grade levels.

X Department's recommended grade level for enrollment

The Wisconsin Department of Instruction and the UW-System has determined that the following courses are "science equivalent" and will be counted by them as science credits: Food Science, Principles of Engineering, Biotechnology, Small Animal Vet Science 2, Animal Science, Large Animal Vet Science, Ag Products & Processing, Zoology & Wildlife Science, and Marine Biology & Aquaculture. For information about these courses, please refer to the appropriate department.

300B1A – INTRODUCTION TO CHEMISTRY			
Sem 1 Course	Grades 9 – 12	.5 Credit	Prerequisite: None
This course is a one semester offering designed to help students explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Topics include, but are not limited to: measurement, atomic structure, electron configuration, periodicity, bonding, gas laws, properties of liquids and solids, solutions, stoichiometry, reactions, and equilibrium. The mathematics prerequisite skills are based on middle school mathematics topics such as data analysis, measurement, scientific notation, ratio and proportion, and algebraic expressions.			

302B1B – INTRODUCTION TO PHYSICS			
Sem 2 Course	Grades 9 – 12	.5 Credit	Prerequisite: None
This course is a one semester offering designed to help students recognize the nature and scope of physics and its relationship to the other sciences. Students will learn about basic topics such as motion, forces, energy and heat, momentum, and waves. Students will be engaged in scientific inquiry, investigations, and labs so that they develop a conceptual understanding and basic scientific skills. The mathematics prerequisite skills are based on middle school mathematics topics such as data analysis, measurement, scientific notation, ratio and proportion, and algebraic expressions.			

303B1X - APPLICATIONS IN PHYSICAL SCIENCE			
Year Course	Grades 9-10 (#)	1 Credit	Prerequisite: Recommended by 8th grade science teacher and counselor
Applications in Physical Science is a hands-on course that covers the topics of measurement, physics of motion, states of matter, energy and fuel sources, and waves. **This course is intended for those students with difficulties in science education.** This course will NOT meet 4 year university/college entrance requirements.			

307B1X - PHYSICS			
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Math 1
Physics is an introductory survey course covering units in mechanics and motion, vectors, momentum and energy, waves, sound and light. The course combines a conceptual approach with quantitative problem solving. Knowledge of algebra and right triangle trigonometry is expected. Several demonstrations and lab activities are used to connect the text with concepts and applications. The course is intended for students planning to attend a four year college and often culminates with a Physics Day at Great America trip for those academically eligible.			

309B1Y - ADVANCED PLACEMENT PHYSICS 1 **Grade Indexed (see pg 17)**			
Year Course	Grades 11-12	1 Credit	Prerequisite: (There is not a Physics prerequisite). Students should have completed geometry and be concurrently taking Math 3 or the equivalent
This course is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sounds; and introductory simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. No prior coursework in physics in necessary. This course serves as the pre-requisite to AP Physics 2. Students taking this class will be expected to take the AP Physics 1 exam.			

310B1Y - ADVANCED PLACEMENT PHYSICS 2 **Grade Indexed (see pg 17)**			
Year Course	Grades 11-12	1 Credit	Prerequisite: Students should have completed AP Physics 1 and concurrently taking pre-calculus or the equivalent
This course is an algebra-based, introductory college level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students taking this class will be expected to take the AP Physics 2 exam.			

320B1X – CHEMISTRY			
Year Course	Grades 10-12 (#)	1 Credit	Prerequisite: Math 1
Chemistry is the study of matter and the reason for its physical and chemical properties. The course will explore the model of the atom, periodicity, chemical bonding, chemical formulas and compounds, stoichiometry, the gas laws, states of matter, solutions and acid & base reactions. All topics and major concepts will be reinforced through laboratory activities and experiments. Students will be required to keep a lab notebook. **This course, with its rigor, pacing and material, is intended for the student who plans to attend a four-year college.**			

325B1X - BIOLOGY			
Year Course	Grades 9-12	1 Credit	Prerequisite: None
A two-semester course featuring the study of ecology, animals, plants, microbes, cells, human body, genetics and reproduction. The course includes class work, discussions, labs and some topic videos. **This course is required for graduation.**			

327B1Y – APPLICATIONS IN BIOLOGY			
Year Course	Grades 9-12	1 Credit	Prerequisite: Recommended by 8th grade science teacher and counselor or Applications in Physical Science
Applications in Biology is a hands-on course that covers the topics of ecology, animals, plants, microbes, cells, human body and reproduction. **This course is intended for those students with difficulties in science education.** This course will NOT meet 4 year university/college entrance requirements. All tests are read aloud in this course.			

333B1Y - ADVANCED PLACEMENT BIOLOGY			Grade Indexed (see pg 17)
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Biology with at least a "B" average

This course is designed to be the equivalent of the general biology course usually taken during the first year of college. AP Biology is designed to give students an opportunity to do an in-depth study of life science using college level resources, and lab applications. Some of the topics to be studied include molecular biology, genetics and plant/animal function and development. The course is intended for students with a high interest in biology and who plan post-high school training in a life science related field. Students who take this class will be required to take the Advanced Placement Biology exam.

337B1X - ADVANCED PLACEMENT CHEMISTRY			(Grade Indexed (see pg 17)
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Chemistry with at least a "B" average.

This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Fundamental topics are covered in greater depth and with more refined concepts. AP Chemistry provides the student opportunity to develop their ability to think clearly and to express their ideas orally and in writing with clarity and logic. Strong emphasis is placed on lab work, chemical calculations, and the mathematical formulation of principles. The course is intended for students who plan post high school training in a physical science related field. Students who take this class will be required to take the Advanced Placement Chemistry exam.

Students will be given a summer assignment which will serve as a review of what knowledge they should know from first year chemistry. Optional summer courses for review are offered if students are interested.

340B1X - EARTH SCIENCE			
Year Course	Grades 10-12 (#)	1 Credit	Prerequisite: None

Earth Science is a study of the planet Earth – its features, its forces, its place in the solar system, and its place in the universe. The focus will be from an Earth System point of view – the interconnections among the atmosphere, land, oceans and the life that inhabits our planet. The study of mountains, rocks, weather, oceans, planets, rivers, winds, earthquakes, fossils, glaciers, meteorites, and stars are some examples of the areas we will be studying. Laboratories are used to aid you in the understanding of the processes of Earth.

342B1X – BASIC ANATOMY *			
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Chemistry or Biology with a "C" or better

This course examines concepts of anatomy and physiology as they relate to health careers. Learners correlate anatomical and physiological terminology to all body systems.

***This course is transcripted with NWTC's Basic Anatomy (10-806-189) for 3 credits when taken as a junior or senior.**

343B1X - GENERAL ANATOMY and PHYSIOLOGY *			Grade Indexed (see pg 17)
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Biology with at least a "B" and "C" or better in Chemistry required

General Anatomy and Physiology is an upper-level course intended for students interested in studying how the human body works, continuing studies in human biology, or pursuing a career in the science, medicine, or health-related fields. The course would include a significant amount of laboratory and research work used to expand student understanding of the body's structures and functioning. Using a body system approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare future health care professionals, who need to apply basic concepts of whole body anatomy and physiology, in making informed decisions and communicating professionally with colleagues and patients.

***This course is transcripted with NWTC's General Anatomy and Physiology (10-806-177) for 4 credits when taken as a junior or senior.**

345B1X - ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE			Grade Indexed (see pg 17)
Year Course	Grades 10 – 12	1 Credit	Prerequisite: Math 1 and Biology

AP Environmental Science Provides an investigative approach to the interrelationships of the natural world through the study of the fundamental concepts, principles, and methodologies of environmental science, with an emphasis on inquiry and critical thinking skills including problem solving and experimental investigations. Topics of study include Earth systems and resources, ecosystems and energy flow, population biology, land and water use, energy resources and consumption, pollution, agriculture conservation and global change. Laboratory work and field studies are an integral component of this course.

Students will be required to take the Advanced Placement test.

SOCIAL STUDIES

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN SOCIAL STUDIES

Literacy Writer

Foreign Correspondent

Editor

Forensic Psychologist

Logistics

Neuropsychologist

Clergy

Historian

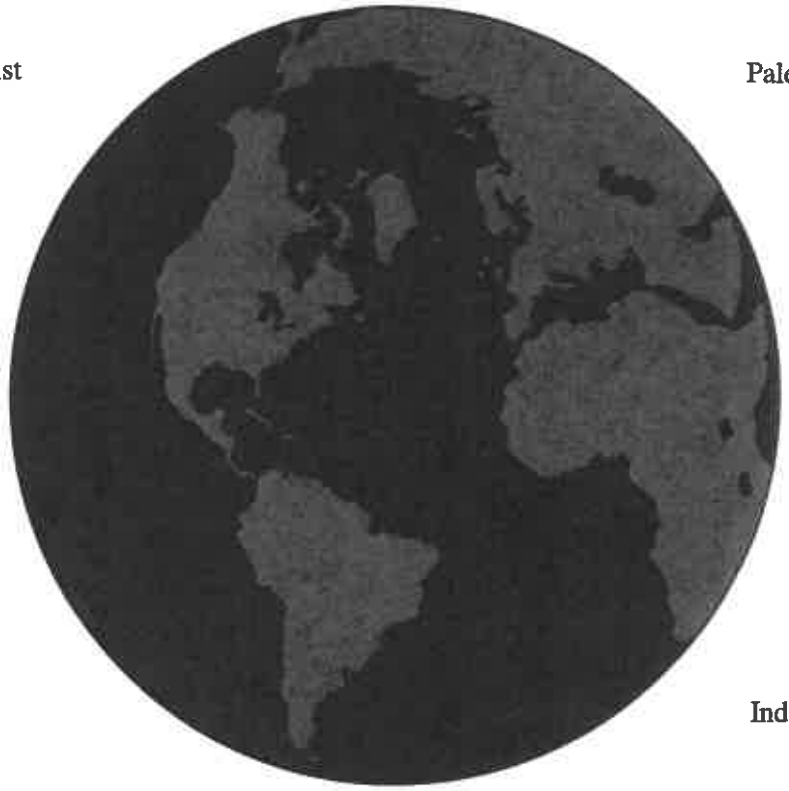
Sport Psychologist

International Business

Political Scientist

Script Writer

Lawyer



Genealogist

Paleontologist

Economist

Anthropologist

Sociologist

Social Psychologist

Public Relations Director

Ethnologist

Teacher

Statistician

Archaeologist

Social Worker

Reporter

Industrial Psychologist

Education Psychologist

Experimental Psychologist

Cartographer

Personnel Manager

Research Director

Nursing Service Director

Counseling Psychologist

Marketing Psychology

Archivist

Librarian

Carpenter

Demographer

Urban Planner

Actuary

Geographer

SOCIAL STUDIES

Students need three (3) credits of Social Studies for graduation. This must include successful completion of Social Studies 1, Social Studies 2, and Social Studies 3. Completion of these three offerings will put the student in position to adequately pass any state of Wisconsin exit level exam for high school graduation, should one be implemented. This exam would include questions from geography, economics, government, and history. We also have electives for students who are college-bound, would just like to study further in the Social Studies area to enhance their learning, or have a particular interest in a given subject area. Three of our electives are Advanced Placement classes. Advanced Placement U.S. History can be taken instead of Social Studies 3 and Advanced Placement European History can be taken instead of Social Studies 2 (see course descriptions).

Course Length	Credit	Name of Course	Course Number	Project	9	10	11	12	Prerequisite
1 Year	1	Civics + (Social Studies I)	100B1X	Yes	X	X	-	-	None
1 Year	1	World History+ (Social Studies II)	105B1X	Yes	-	X	X	-	Civics
1 Year	1	Advanced Placement European History (Taken in place of Social Studies II) [idx]	107B1Y	Yes	-	X	X	X	B+ or higher in Civics. Must be enrolled in Adv Eng 10.
1 Year	1	United States History + (Social Studies III)	110B1X	Yes	-	-	X	X	Civics & World History or AP European History
1 Year	1	Advanced Placement U.S. History (Taken in place of Social Studies III) [idx]	115B1Y	Yes	-	-	X	X	Civics and World History or AP European History
1 Sem	.5	Sociology	120B1C	Yes	-	-	X	X	Civics & World History
1 Sem	.5	Global Issues in the Modern World	130B1B	Yes	-	X	X	X	Civics & World History
1 Sem	.5	Intro to Diversity Studies	140B1C	Yes	-	-	X	X	See course description
1 Sem	.5	Psychology	150B1C	Yes	-	-	X	X	Civics & World History
1 Year	1	Advanced Placement Psychology [idx]	152B1Y	Yes	-	-	X	X	See course description
1 Sem	.5	Economics	160B1A	Yes	-	-	X	X	Civics & World History
1 Sem	.5	Geography	180B1A	Yes	-	X	X	X	Civics & World History
1 Year	1	Advanced Placement Human Geography [idx]	185B1Y	Yes	X	X	X	X	Freshmen with an "A" in 8th grade social studies, Lexile level of 1100+, and passion for social studies, Sophomores who earned an "A" in Civics, Juniors or Seniors
1 Sem	.5	Contemporary American Society	190B1B	Yes	-	-	X	X	Civics & World History
1 Sem	.5	Criminal Justice	195B1C	Yes	-	-	X	X	Civics & World History

\+ Required Course

[idx] This course is Grade Indexed

100B1X - CIVICS (SOCIAL STUDIES I)			
Year Course	Grades 9 or 10	1 Credit	Prerequisite: None
Civics is the basic civics course and introduces the student to other areas of the social sciences as well. Social Sciences include economics, psychology, sociology, current issues and Wisconsin history. It does meet the state-mandated one-half credit of government. Topics include study skills, citizenship foundations, all levels and branches of government (including the Constitution, politics, elections as well as Native American government), foreign policy, economic and cultural topics in addition to basic concepts of history and sociology. The student can expect to be involved in a wide variety of activities during the year such as: reports, various projects, visual materials, simulations, group activities and current event reviews. Many and varied sources and references are used.			

105B1X - WORLD HISTORY (SOCIAL STUDIES II)			
Year Course	Grades 10 or 11	1 Credit	Prerequisite: Civics
The course, World History, will focus on 1500 to the present and will begin with an introduction to world religions and their connections to history. The major eras of world history including the Renaissance and Reformation, the development of nation states, revolutions of the modern world, industrialization, and the five themes of the modern world: nationalism, imperialism, war, totalitarianism and social responsibility will be studied. Geography, economics, and sociology will be integrated into the curriculum so that students become aware of the relationships between different social studies' disciplines. The course will conclude with units on the Cold War, the collapse of the USSR, and the role of the United Nations in the world today. Students are expected to use and develop good writing, reading, organizational, interpersonal, and presentation skills. Written and oral projects are required each quarter.			

107B1Y - ADV PLACEMENT EUROPEAN HISTORY (Taken in place of World History)			Grade Indexed (see pg 17)
Year Course	Grades 10 - 12	1 Credit	Prerequisite: B+ or higher in Civics is required. Must be enrolled in Advanced English 10.
This course will prepare students to work with college level materials by analyzing historical evidence and developing the ability to express historical understanding in writing. The focus of the course is European civilization from 1450 to the present. Students are expected to demonstrate knowledge of basic chronology, major events, and trends from the High Renaissance to the present. Course content is designed to provide students with a greater opportunity for success to pass the College Board test that earns college credit. Students will be required to take the Advanced Placement test. The course will be organized and conducted as a college course to include lectures, debates, and discussions. Also, the course will have a heavy emphasis on writing, research, and readings of primary sources. Exams will reflect the AP test and will consist of multiple choice, document based questions, and free response essays. Taking this course does not guarantee that a student will pass the AP exam. In addition, summer assignments will be assigned and need to be completed for the first day of school.			

110B1X - U.S. HISTORY (SOCIAL STUDIES III)			
Year Course	Grades 11 or 12	1 Credit	Prerequisite: Civics, World History or AP European History
(Geography Emphasis: Western Hemisphere) In this course, students will study United States History. The year will begin with the review and study of classic American documents: The Declaration of Independence, the Articles of Confederation and the Constitution. Topics covered next will be from the time of Jefferson throughout the Civil War and Reconstruction. The majority of the curriculum will focus on the 20th century. The student can be expected to be involved in a wide variety of activities such as: projects, creation of visual materials, simulations, group activities, debates, and discussions. Various resources will be used to further develop organizational, written, presentation and interpersonal skills.			

115B1Y - ADVANCED PLACEMENT U.S. HISTORY (Taken in place of United States History) Grade Indexed (see pg 17)			
Year Course	Grades 11 or 12	1 Credit	Prerequisite: Civics & World History

To enter this course B+ or better grades in previous high school Social Studies and English courses are recommended.

Advanced Placement U.S. History is a college course offered by the College Board.

This comprehensive U.S. History course will involve students in working with college level reading and materials. The course will explore United States history from colonial times to the present. This course is designed to cover the topics and refine the skills needed to provide students with an improved chance for success at passing the Advanced Placement (AP) College Board Exam in early May. Students will be required to take the Advanced Placement test.

This course will be organized and conducted to include lectures, activities, debates, homework including projects, and discussions. Students can expect to be reading on average 40-60 pages of text and/or supplemental sources per week. The course will have a heavy emphasis on writing in a histiographic style. Reading and analysis of primary source documents along with continued development of good written, organizational and verbal skills are important parts of the expectations for students who enroll in this course. Emphasis will be on key historical concepts and major themes along with good supporting content and analysis. Exams and quizzes will reflect the AP exam and will for the most part consist of multiple choice, document based questions, and free response essays. Summer assignments will be required for students entering the class.

Taking this course does not guarantee that a student will pass the AP exam.

120B1C - SOCIOLOGY			
Semester Course	Grades 11 or 12	.5 Credit	Prerequisite: Civics & World History

This course is designed for post-secondary high school bound students who would like to broaden their knowledge of sociology and the study of people in groups. Basic concepts, principles, and methods central to the scientific study of sociology will be explored. Topics covered include the sociological imagination, research, cultures, social structure, groups and deviance and social control.

130B1B - GLOBAL ISSUES IN THE MODERN WORLD			
Semester Course	Grades 10-12	.5 Credit	Prerequisite: Civics & World History

Global Issues in the Modern World is a course designed to involve students in thinking critically about a broad range of contemporary issues. Discussion will focus on topics such as: international conflict and security, the global economy, the environment, immigration, and human rights. Students will become familiar with different points of view and perspectives related to each issue including those of various national governments and international organizations.

This course uses a variety of sources and requires students to effectively research, debate, collaborate, form opinions, write and present.

140B1C – INTRO TO DIVERSTIY STUDIES *			
Semester Course	Grades 11 or 12	.5 Credit	Prerequisite: Civics and World History Required & Sociology is recommended. An open mind and willingness to challenge your personal beliefs will be beneficial.

This course provides the opportunity for the learner to develop the knowledge, skills, process and understanding of diversity. This course draws from several disciplines to reaffirm the basic American values of justice and equality by reviewing, discussing and understanding the following: a basic vocabulary, a history of immigration and conquest, principles of trans-cultural communication, legal liability and the value of aesthetic production to increase the probability of respectful encounters among people. In addition, we will examine majority/minority relations in a multicultural context, considering such topics as: ageism, sexism, gender differences, sexual orientation, religious diversity, racism, classism, ableism, and pluralism in schools and society.

***This course carries advanced standing with NWTC's Intro to Diversity Studies (10-809-172) if the student earns a "B" or better when taken as a junior or senior.**

150B1C – PSYCHOLOGY			
Semester Course	Grades 11 or 12	.5 Credit	Prerequisite: Civics & World History

This course is designed for students who would like to broaden his or her understanding of human behavior. Students are introduced to the many areas studied by the psychologist. Some of the areas covered include: historical development of psychology, psychological theories, self-concept development, emotional development, social development, personality development, sex role development, mental illnesses, brain development and function, sensation and perception, and parenting.

152B1Y - ADVANCED PLACEMENT PSYCHOLOGY			Grade Indexed (see pg 17)
1 Year	Grades 11 or 12	1 Credit	Prerequisite: See course description

Prerequisites:
1. Junior or Senior
2. Must meet one of the following:
   a. Successful completion of either Advanced Placement European History or Advanced Placement United States History
   b. "B" or better in Civics, World History and Advanced English 10 or currently enrolled in Expository Writing
   c. Successful completion of Psychology
   d. Recommendation by Social Studies and English teacher.

Advanced Placement Psychology is a college course offered by the College Board.

Advanced Placement Psychology is designed to introduce students to the systemic and scientific study of the behavior and mental processes of human beings and other animals. The course will include the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Major content areas covered by this course and the Advanced Placement-College Board Examination include history and approaches, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology. Coursework will include college level reading and writing.

This course will be organized and conducted as a college course to include lecture, debate, activities and discussions. This course will have a heavy emphasis on writing and research. Evaluation of coursework and assessments will be modeled after the AP Psychology-College Board Examination which includes timed multiple choice questions and free response essays. Taking this course does not guarantee that a student will pass the AP exam.

160B1A - ECONOMICS			
Semester Course	Grades 11 or 12	.5 Credit	Prerequisite: Civics & World History

This course is an extension and further study of economic concepts that have been introduced in Social Studies I & II. It examines the economic way of thinking, the tools an economist uses to study the economy and selected areas in microeconomics as well as macroeconomics. The course will address such areas as the workings of capitalism, supply and demand, the role of government in the economy, GDP (gross domestic product), competition and the market place, and the global economy. This course is designed for students who plan post-secondary education and will require written and oral projects. This course fulfills the Personal Financial Management graduation credit requirement.

180B1A - GEOGRAPHY			
Semester Course	Grades 10-12	.5 Credit	Prerequisite: Civics & World History

Geography is an elective course open to juniors and seniors. This course offers a survey of world regions in both the Eastern and Western Hemispheres. The goal of this course is to familiarize students with major physical characteristics of the world and where they are located, as well as political boundaries. Map skills and cartography are stressed throughout the course. Additional topics include human geography and the distribution and characteristics of the world's population, urban studies, history and culture, the environment and demographics. This course requires a basic text, a variety of current sources and is project based.

185B1Y – ADVANCED PLACEMENT HUMAN GEOGRAPHY			Grade Indexed (see pg 17)
Year Course	Grades 9-12	1 Credit	Prerequisite: Freshmen with an "A" in 8th grade social studies, Lexile level of 1100+, and passion for social studies, Sophomores who earned an "A" in Civics, Juniors or Seniors

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Units of study include population, culture, political organization, agriculture and rural land use, industrialization and development, and cities and urban land use. The goals of the course include using and thinking about maps and spatial data, understanding the relationships among phenomena occurring in the same place, interpreting different relationships among patterns and processes, and defining regions and the regionalization process.

This course is designed to cover the topics and skills needed to improve the chance of passing the Advanced Placement (AP) College Board Exam in early May. Taking this course does not guarantee that a student will pass the test. Course work will include college level reading and writing.

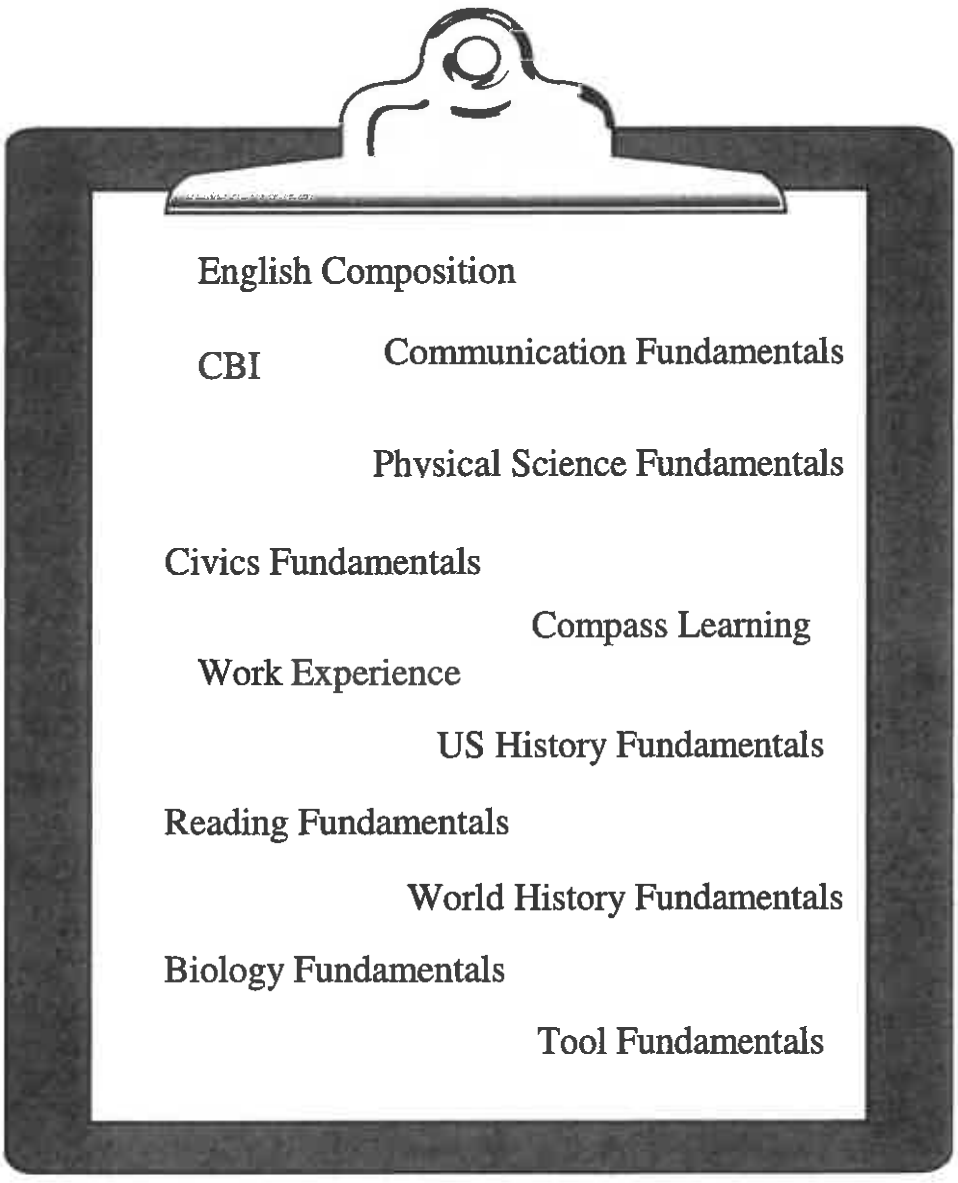
Students will be required to take the Advanced Placement test.

190B1B - CONTEMPORARY AMERICAN SOCIETY			
Semester Course	Grades 11 or 12	.5 Credit	Prerequisite: Civics & World History
Contemporary American Society is a course designed to involve students in discussions about today's society. The course will cover issues that illustrate how our traditional institutions are evolving and changing. It also explores the implications of those changes. The discussions will be centered on the themes of: freedom, prosperity, democracy, and culture and the institutions that promote each. By exploring contemporary issues, students will develop their use of critical thinking skills. This course utilizes a variety of current resources and requires successful completion of both oral and written assessments.			

195B1C - CRIMINAL JUSTICE			
Semester Course	Grades 11 or 12	.5 Credit	Prerequisite: Civics and World History
Why would someone commit a crime? How does the legal system deal with criminals? What job opportunities are available in the criminal justice field? If the criminal legal, or policing fields of study interest you, Criminal Justice will help expand your knowledge in these areas. The purpose of this course is to examine the aspects of the criminal justice system in the United States – from both the historical and modern perspectives. Topics of exploration include: causality of crime, the processes and procedures involved in criminal law, the role of enforcement agencies such as the police and FBI, the corrections system, the death penalty, and current issues within the field of study. Students will participate in a variety of activities including, but not limited to: research, educationally supported debates, and interaction with community members involved in the field of criminal justice.			

SPECIAL EDUCATION

SOME COURSES OFFERED IN THE SPECIAL EDUCATION PROGRAM



SPECIAL EDUCATION

806B1A (SM1) / 806B1B (SM2) - INDEPENDENT STUDY I			
Semester Course	Grades 9-12	No Credit	
This course is a supervised Resource Class. Subject matter will depend upon the student's individual education program.			

801B1A-805B1A (SM1) / 801B1B-805B1B (SM2) INDEPENDENT STUDY II			
Semester Course	Grades 9-12	Credit	
This course is a supervised Resource Class. Subject matter will depend upon the student's individual education program. This course may be taken as an earned credit class for approved students who are credit deficient in English, Mathematics, Science or Social Studies.			

808B1A (SM1) / 808B1B (SM2) - WORK EXPERIENCE			
Semester Course	Grades 11 & 12	.5 Credit	
This work experience course allows students with individual education plans in 11th and 12th grade to improve their employability skills for future career aspirations and success in the adult world. Work Experiences range from in the school, in district and in the community based on student specific needs and experiences. Students are highly encouraged to start applying for jobs 2-3 months before starting the Work Experience course. The Work Experience coordinator will contact students before the course begins to determine jobs wants and needs.			

810B1Y - CIVICS FUNDAMENTALS			
Year Course	Grade 9	1 Credit	Prerequisite: Based on Reading Levels
This course is offered to students with individual education plans. The course work includes areas of citizenship, government and social sciences. Social studies includes economics, psychology, sociology and Wisconsin history. Topics include study skills, citizenship foundations, government and branches of the government. Units instructed include U.S. Constitution, politics, elections, Native American government foreign policy and economics.			

814B1Y - WORLD HISTORY FUNDAMENTALS			
Year Course	Grade 10	1 Credit	Prerequisite: Based on Reading Levels
This course is offered to students with individual education plans as an alternative to World History. The course covers topics in World History at a pace that provides opportunity for success for students. Topics covered are from the Renaissance through modern times. Geography, economics and sociology are integrated to develop relationships between the social studies areas. The course focuses on 1500's to the present which includes Protestant Reformation, development of nations, states, modern world revolutions, industrialism and the five themes of the modern world.			

816B1Y - UNITED STATES HISTORY FUNDAMENTALS			
Year Course	Grades 11 or 12	1 Credit	Prerequisite: Based on Reading Levels
This course is offered to students in the individual education plans as an alternative to United States History. The course covers topics covered in United States History at a pace that provides the opportunity for success. Topics covered include Civil War to the War on Terror. The focus is on modern eras of United States History including Reconstruction, Industrial Revolution, Great Depression, Civil Rights Movement and the military conflicts that involved the United States.			

820B1Y - ALGEBRA FUNDAMENTALS			
Year Course	Grade 9	1 Credit	
This class is for ninth grade students with individual education plans who are not successful in the regular math curriculum. Topics covered are operations with whole numbers, estimation, rounding, order of operations, operations with fractions and decimals, ratio and proportion, percents, measurement, geometry, statistics, signed numbers and introduction to Algebra skills.			

822B1Y - PRACTICAL MATH			
Year Course	Grades 9-12	1 Credit	
Practical Math focuses on providing students with individual education plans with everyday math skills in order to increase their level of independence. In Practical Math, students focus on further developing the following skills: basic computation skills, using a calculator, creating spreadsheets, developing personal monthly budgets, banking skills, check writing and check register skills, handling and using money, and time/clock skills.			

833B1Y – PHYSICAL SCIENCE FUNDAMENTALS (Offered in 2017-2018)			
Year Course	Grade 9	1 Credit	
This is a general science course open to all students with individual education plans. This class emphasizes the physical science around us in everyday living. This class is taught with hands-on activities encompassing the topics of measurement, periodicity, chemical bonding and reactions, electromagnetic waves, sounds and light. This course is a science credit.			

835B1Y - BIOLOGY FUNDAMENTALS (Offered in 2018-2019)			
Year Course	Grade 10	1 Credit	
This is a general science course open to all students with individual education plans. This class emphasizes the study of life from single cells to multi-celled organisms. The following topics may be included: study of animals, plants, environmental science, the human body, health, human reproduction and weather. Hands on activities are included in most units and student skill level/interest help determine which areas are covered. This course is a science credit.			

843B1Y - ENGLISH COMPOSITION 9			
Year Course	Grade 9	1 Credit	
This course integrates reading, writing, listening, speaking, and technology skills. This class will place an emphasis on moving toward higher level learning using direct classroom instruction and technology resources. In addition, students will collaborate to study communication, the writing process, sentence, paragraph and composition structures, as well as various literary genres and elements including short stories, nonfiction, novels, and drama.			

844B1Y - ENGLISH COMPOSITION 10			
Year Course	Grade 10	1 Credit	
This course integrates reading, writing, listening, and speaking skills and is designed to explore themes in literature. Writing focuses upon essays and responses to literature continuing with instruction in the writing process, sentence, paragraph and composition structures. Classroom instruction will include the use of and instruction in the use of technology. Emphasis is also placed on the development of vocabulary, grammar, usage, composition, speech, career exploration, study skills and vocabulary.			

845B1A (SM1) / 845B1B (SM 2) - READING FUNDAMENTALS			
Semester Course	Grades 9-12	.5 Credit	
This course focuses on improving reading skills, reading rate, and comprehension. Students will work on the following skills: recognizing main ideas, making inferences, identifying causes and effects, identifying problems and solutions, comparing and contrasting/classifying, following sequence/steps, reading content-area material, using graphic aids/organizers, recognizing literary forms and elements, word study/vocabulary. Students will practice silent reading, reading aloud, group work, and one-on-one with the instructor. Reading for pleasure is also emphasized.			

850B1A – INDEPENDENT LIVING FUNDAMENTALS (Offered in 2017-2018)			
Semester Course	Grades 9-12	.5 Credit	
This course is offered to students with individual education plans. This class will explore all aspects in life: personality development, healthy communication, relationships with family and friends, as well as skills needed on a daily basis such as nutrition/meal planning and preparation, basic financial management, laundry skills, etc. The skills learned in this class will provide students with the knowledge needed to effectively manage their daily lives and live successfully as adults.			

852B1A – EXPLORATIONS IN ART (Offered in 2017-2018)			
Semester Course	Grades 9-12	.5 Credit	
This course is offered to students with individual education plans. Explorations in Art provides students with basic introductory skills to create art and learn about different art materials. Students learn to appreciate art and artists all over the world, which deepens their understanding of global awareness and some of the different people and cultures that create these types of art work. Projects include but are not limited to drawing, painting, printmaking, clay, mixed media, sculpture, and fiber arts.			

853B1B – EXPLORATION OF SPANISH (Offered in 2018-2019 upon availability)			
Semester Course	Grades 9-12	.5 Credit	
This course is offered to students with individual education plans. Exploration of Spanish introduces students to the Spanish language and to Hispanic culture. Emphasis is placed on building a basic, everyday vocabulary as well as incorporating basic grammatical concepts. Attention is also dedicated to developing speaking, reading, writing, and listening skills. This course is offered to students with individual education plans and by invite only.			

854B1A – EXPLORATION IN MUSIC (Offered in 2018-2019 upon availability)			
Semester Course	Grades 9-12	.5 Credit	
This course is offered to students with individual education plans and is determined to be appropriate by the team. Exploration in Music introduces students to the basic fundamentals of music theory, understanding, and knowledge. The class teaches students music vocabulary, music reading, skills for listening to music, and gives students the opportunity to apply their knowledge. Students will also explore different instruments and create their own instruments.			

855B1A -TOOL FUNDAMENTALS (Offered in 2018-2019 upon availability)			
Semester Course	Grades 9-12	.5 Credit	
This course is offered to students with individual education plans. It covers a variety of skills related to Technology Education including safety practices in the shop, using hand and power tools, individual and group assembly by woodworking projects, measurements and other skills based on work habits which can be transferred to the real world of work.			

856B1Y – EXPLORATION OF FRENCH (Offered in 2018-2019 upon availability)			
Semester Course	Grades 9-12	.5 Credit	
This course is offered to students with individual education plans. Exploration of French introduces students to the French language and to French culture. Emphasis is placed on building a basic, everyday vocabulary as well as incorporating basic grammatical concepts. Attention is also dedicated to developing speaking, reading, writing, and listening skills. This course is offered to students with individual education plans and by invite only.			

857B1C – COMMUNICATION FUNDAMENTALS			
Semester Course	Grades 9-12	.5 Credit	
This course will examine the communication process (both verbal and nonverbal) and why specific skills are important for different contexts or relationships. The students will learn strategies to communicate, problem solve, regulate emotions, work with others, develop friendships, etc. The course is offered to individuals based on Individual Education Plan (IEP) goals. It is only offered during intervention blocks based on individual student needs. This course will be counted as an elective credit.			

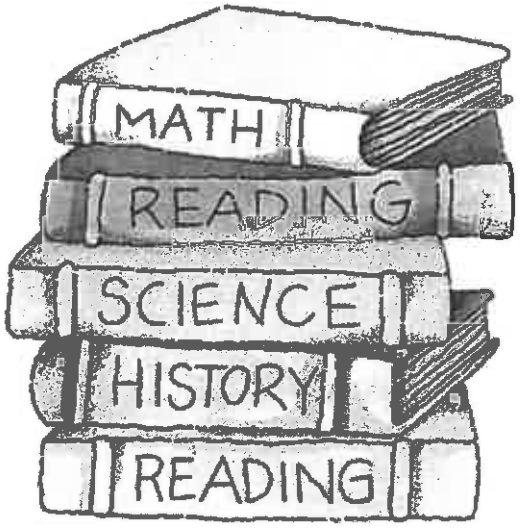
859B1A – BUILDING YOUR FUTURE			
Semester Course	Grade 12	.5 Credit	
This course is designed to help prepare students with Individual Education Plans transition from high school to adulthood. The modules will include post-secondary education, vocational training, employment, independence, social communication and community participation. The coordinated set of activities shall be based upon the individual student's needs, taking into account the student's strengths, preferences, interests, rating scales and transition assessments. Students will complete information ranging from personal data, medical data and disability information. Students will enhance career readiness skills by working on interviewing, employability skills and job shadowing. All students will complete an individualized transition portfolio. This course is designed for students by invitation only.			

860B1Y – SUCCEED NOW			
Year Course	Grades 9-12	1 Credit	
Succeed Now is a course designed to help students with intellectual disabilities increase the skills necessary to function more independently in the school, home and community. Activities will focus on developing daily living, social, leisure and pre-employment skills.			

861B1Y-865B1Y - COMMUNITY BASED INSTRUCTION (CBI)			
Year Course	Grades 9-12	1 Credit	
While students with intellectual disabilities continue to develop their academic skills in literacy, math, science and social studies, there is an increased need to help students generalize those skills to real life situations and settings. CBI classes focus in the application of academic skills to real world situations through classroom simulations and actual experiences in the community.			

868B1A (SM1) / 868B1B (SM2) – LIFESKILL FITNESS			
Semester Course	Grades 9-12	.25 Credit	
Lifeskill Fitness is a class designed for students who are not able to safely and/or successfully participate in a regular physical education course due to a disability. This course focuses on developing basic life skills as they relate to recreation and fitness. This course is only offered to students that have an individualized education plan and the team has deemed it as appropriate.			

COMPASS LEARNING/ODYSSEY			
Semester Courses	Grades 9-12	.5 Credit	
Compass learning is a computer program/course that individualizes learning for students whose academic ability levels or behavior hinders their performance in the regular classroom setting. This course/program can also be used for students who are credit deficient in English, Mathematics, Science or Social Studies. Students will work through the lessons/modules on a daily basis. Academic credit will be granted based on the completion of the subject matter modules in that specified curricular area. Compass learning provides the instruction in the following: Communications, Mathematics, Science, Social Studies, Life Skills, and Work Skills.			



TECHNOLOGY and ENGINEERING EDUCATION

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN TECHNOLOGY AND ENGINEERING EDUCATION

Engineering: Civil, Mechanical, Industrial, Architectural, Electrical, Chemical, Environmental, Manufacturing, Networking, Software, Structural, Packaging, and Aeronautical

Design Engineer

Technology Education Teacher

Electrician

Aircraft Technician

CAD Designer

Welder

Sheet Metal Fabricator

CNC Machinist

Electro-Mechanical Technician

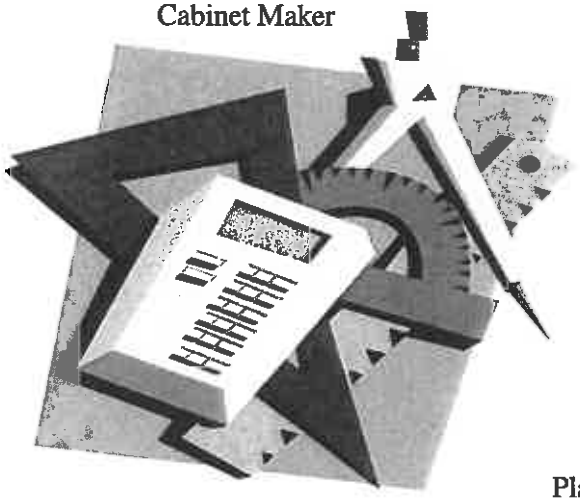
Mason

Construction Management

Cabinet Maker

IT Specialist

Draftsperson Architectural



Network Associate

Heavy Machine Operator

Logger

Carpenter

Plumber

Machinist

Painter

Press Operator

Drafter

Plant Operator

Diesel Technician

Web Designer

Cement Mason

Sheet Metal Worker

Programmer

Technical Engineer

Mechanical Designer

Automotive Technician

Tool and Die Maker

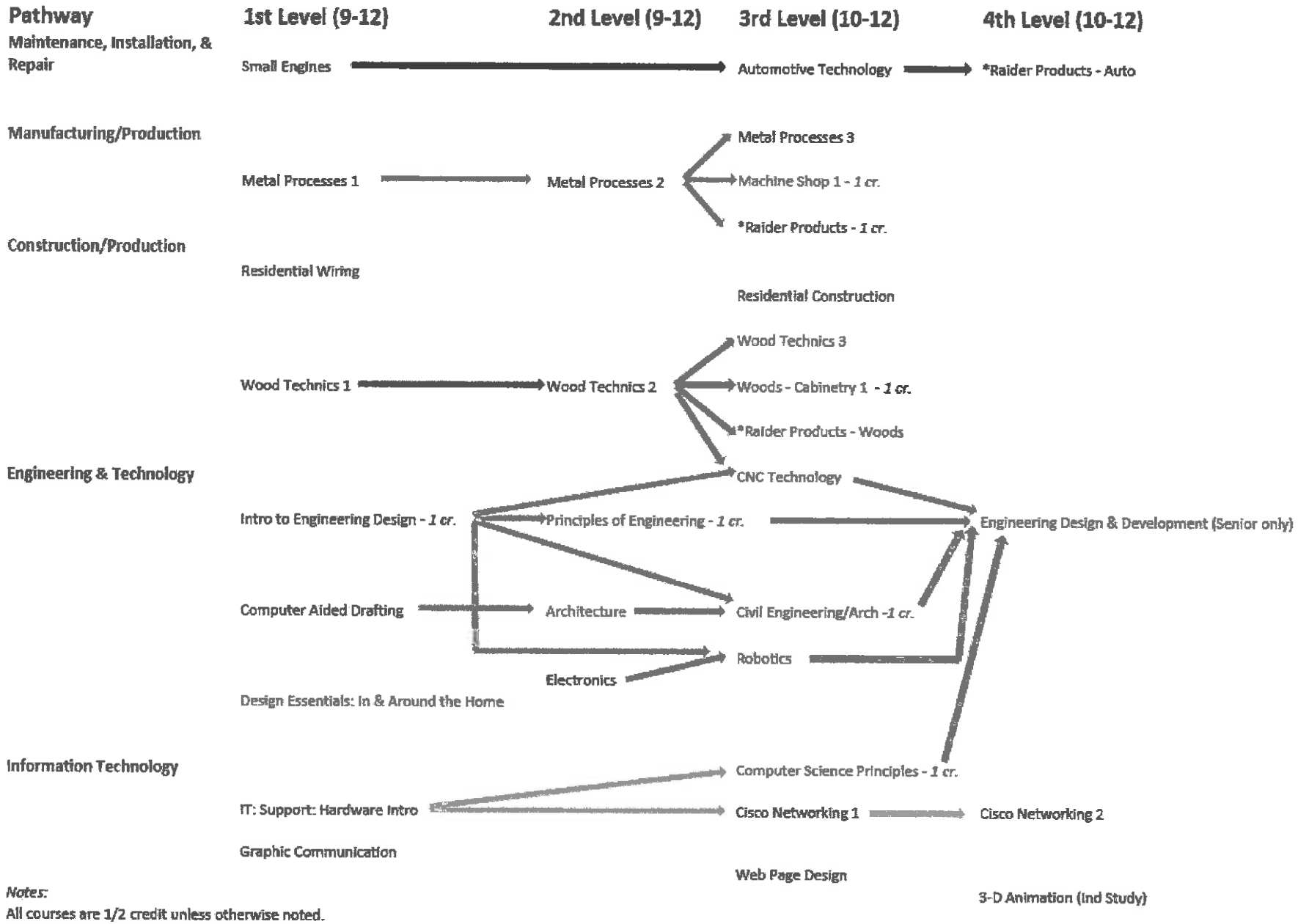
Mechanical Maintenance

Project Manager

Architect

Lineman

Auto-Body Technician



Notes:
All courses are 1/2 credit unless otherwise noted.
Arrows represent a prerequisite.
* These courses (Raider Products) are for only juniors and seniors.

TECHNOLOGY and ENGINEERING EDUCATION

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite	
1 Year	1	Intro to Engineering Design [idx]	600B1X	X	X	X	X		PLTW Group
1 Year	1	Principles of Engineering-ES [idx]	601B1Y	-	X	X	X	Intro to Engineering Design	
1 Year	1	Computer Science Principles [idx]	602B1Y	-	X	X	X	Math 2 & IT: Support	
1 Year	1	Civil Engineering & Arch. [idx]	604B1Y	-	X	X	X	IED or Architecture	
1 Year	*1*	*Computer Integrated Manufacturing* **NOTE:** *Changed to CNC Technology (.5) & Robotics (.5)*		-	*X*	*X*	*X*		
1 Year	1	Engineering Design & Development	610B1Y	-	-	-	X	See Chart Above	
1 Year	1-H.S. / 2-College	PHS-UWGB Intro to Engineering Design [idx}	660B1X	X	X	X	X		
1 Sem	.5	CNC Technology	611B1A	-	X	X	X	IED or Woods 2	
1 Sem	.5	Robotics	612B1A	-	X	X	X	IED or Electronics	
1 Sem	.5	Computer Aided Drafting	613B1A	X	X	X	X		
1 Sem	.5-H.S. / 3-College	PHS-UWGB Computer Aided Drafting [idx]	663B1A	X	X	X	X		
1 Sem	.5	Architecture	614B1B	X	X	X	X	Computer Aided Drafting	
1 Sem	.5	Graphic Communication	615B1B	X	X	X	X		
1 Sem	.5	Residential Wiring	616B1B	X	X	X	X		
1 Sem	.5	Electronics 1	618B1B	-	X	X	X		
1 Sem	.5	Metal Processes 1	621B1C	X	X	X	X		
1 Sem	.5	Metal Processes 2	622B1C	X	X	X	X	Metals 1	
1 Sem	.5	Metal Processes 3	623B1C	-	X	X	X	Metals 2	
1 Sem	1	Machine Shop 1	624B1B	-	#	X	X	Metals 2	
1 Sem	.5	Raider Products	625B1A	-	-	X	X	Metals 2 & completion of application and interview	
1 Sem	.5	Residential Construction	630B1B	-	X	X	X		
1 Sem	.5	Wood Technics 1	634B1A	X	X	X	X		
1 Sem	.5	Wood Technics 2	635B1B	X	X	X	X	Woods 1	
1 Sem	.5	Wood Technics 3	636B1B	-	X	X	X	Woods 2	
1 Sem	1	Wood Techniques – Cabinetry 1	637B1B	-	X	X	X	Woods 2	
1 Sem	.5	Raider Products: Woods	638B1A	-	-	X	X	Woods 2 & completion of application and interview	
1 Sem	.5	Small Engine Technology	640B1C	X	X	X	X		
1 Sem	.5	Automotive Technology	641B1C	-	X	X	X	Valid Drivers License and Small Engine	
1 Sem	.5	Raider Products: Auto	642B1A	-	-	X	X	Automotive Technology & completion of application and interview	
1 Sem	.5	Design Essentials: In & Around the Home	645B1B	X	X	X	X	See Course Description	
1 Sem	.5	Cisco Networking 1 (Fall)	650B1A	-	X	X	X		
1 Sem	.5	Cisco Networking 2 (Spring)	651B1B	-	X	X	X	Networking 1	
1 Sem	.5	Web Page Design	655B1B	-	X	X	X		
1 Sem	.5	IT: Support: Hardware Intro	656B1A	X	X	X	X		
1 Sem	.5	3-D Animation (Ind Study)	9361	-	X	X	X	Computer Aided Drafting or IED	
1 Year	.5	Applied Tech Co-Op Class	COPTCY	-	-	-	X	See Course Description	
1 Year	1	Applied Tech Co-Op Job	COPTWC	-	-	-	X	See Course Description	

# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and Technology and Engineering Departments. Please contact the PHS counseling office with questions.

X Enrollment available to students in designated grade levels.

[idx] Course is Grade Indexed

ES Denotes "Equivalent Science"—The Wisconsin Department of Instruction and the UW System has designated these courses as science equivalent courses. Most UW System campuses will count the completion of one or more approved science equivalent courses as the third unit of science as long as the student has taken some combination of biology/chemistry/physics for the other two units.

EM Denotes "Equivalent Math"—The Wisconsin Department of Instruction and the UW System has designated these courses as math equivalent courses. Most UW System campuses will count the completion of one or more approved math equivalent courses as the third unit of math.

600B1X - INTRODUCTION TO ENGINEERING DESIGN (PLTW)*			**Grade Indexed (see pg 17)**
Year Course	Grades 9 – 12	1 Credit	Prerequisite: None

Potential Careers: All Engineering Fields, CAD Designer & Drafter
Students will dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They will work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. Students interested in this course should have taken or are in Math 1 or Math 1 Advanced.

* Students meeting the proper requirements upon completion of this course may be eligible for dual enrollment through PLTW affiliated universities.

660B1X – PHS-UWGB INTRODUCTION TO ENGINEERING DESIGN*			**Grade Indexed (see pg 17)**
Year Course	Grades 9 – 12	1 Credit	Prerequisite: None

Same description as course #600B1X – Introduction to Engineering Design

***This course is dual enrolled with UWGB's Fundamentals of Engineering Technology (ET 101).**

601B1Y - PRINCIPLES OF ENGINEERING—ES (PLTW)*			**Grade Indexed (see pg 17)**
Year Course	Grades 10 – 12	1 Credit	Prerequisite: Intro to Engineering Design

Potential Careers: All Engineering Fields, Mechanical Engineer, Materials Engineer
Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students will develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Students who successfully complete Principles of Engineering will receive a third year science equivalency credit.
The University of Wisconsin school system has agreed to accept the DPI determination that this course can be considered as science equivalent and count as part of the three high school units of science required for admission to UW institutions.

***This course carries advanced standing with NWTC's Mechanical Design-Exploring (10-606-111) if the student earns a "B" or better when taken as a junior or senior.**
* Students meeting the proper requirements upon completion of this course may be eligible for dual enrollment through PLTW affiliated universities.

602B1Y – COMPUTER SCIENCE PRINCIPLES (PLTW)*			**Grade Indexed (see pg 17)**
Year Course	Grades 10 – 12	1 Credit	Prerequisite: Math 2

Potential Careers: Computer Programmer, Software Engineer
Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course can be a student's first course in computer science. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber-security, robotics, and simulation.

***This course carries advanced standing with NWTC's Program: Logic (10-152-140) if the student earns a "B" or better when taken as a junior or senior.**
* Students meeting the proper requirements upon completion of this course may be eligible for dual enrollment through PLTW affiliated universities.

604B1Y - CIVIL ENGINEERING and ARCHITECTURE (PLTW)* Grade Indexed (see pg 17)			
Year Course	Grades 10 – 12	1 Credit	Prerequisite: IED or Architecture I

Potential Careers: Architect, Civil Engineer, Environmental Engineer, Surveyor
Students will learn important aspects of building and site design and development. They will apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

* Students meeting the proper requirements upon completion of this course may be eligible for dual enrollment through PLTW affiliated universities.

606B1Y - COMPUTER INTEGRATED MANUFACTURING			
Year Course	Grades 11 – 12	1 Credit	Prerequisite: Principles of Engineering

NOTE: *This one year course has changed to two semester courses: CNC Technology (.5) & Robotics (.5) see course descriptions below*

610B1Y - ENGINEERING DESIGN AND DEVELOPMENT (PLTW)			
Year Course	Grade 12	1 Credit	Prerequisite: See Pathway Map

Potential Careers: All Engineering Fields, Project Manager
Engineering Design and Development (EDD) is the capstone Project Lead the Way course which allows students to use their skills and knowledge from previous PLTW courses to design a solution to a technical problem of their choosing. This course is an engineering research course in which students will work in teams to research, design, prototype and test a solution to an open-ended engineering problem. At the conclusion of the course, students will present and defend their solution to a panel of outside reviewers. Students will need to build a prototype of their design. Students will be allotted $50 for their prototype, but anything above and beyond would need to be donated by businesses or purchased by the student.

611B1A – CNC TECHNOLOGY			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: IED or Woods 2

Potential Careers: CNC Machinist, CNC Technician, CNC Programmer
Students use CNC equipment (CNC router, CNC plasma cutter, CNC mill, and 3D printer) to produce actual models of their two-dimensional and three-dimensional designs. Students will be designing parts and products using CAD/CAM software and then producing those parts on a CNC machine.

612B1A - ROBOTICS			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: See Pathway Map

Potential Careers: Robotics Engineer, Electromechanical Technician, Software Developer
Students apply the principles of robotics and automation to solve real world problems. Fundamental concepts of robotics used in automated manufacturing are embedded throughout the course.

613B1A - COMPUTER AIDED DRAFTING			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Potential Careers: Drafter, Mechanical Designer, Architectural Drafter
This course introduces the student to Computer Aided Design (CAD) technology as well as traditional sketching methods. Areas of study include multi-view drawing, dimensioning, auxiliary views, sectional views, technical illustration, mechanical and architectural design.

663B1A – PHS-UWGB COMPUTER AIDED DRAFTING* Grade Indexed (see pg 17)			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Same description as course #613B1A – Computer Aided Drafting

***This course is dual enrolled with UWGB's Fundamentals of Drawing (ET 105).**

614B1B - ARCHITECTURE			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: Computer Aided Drafting

Potential Careers: Architectural Drafter, Architect, Urban Planner
This course is concerned with the basic detail, design, and presentation of residential architecture. A problem-based approach will be used and is aligned with a local design competition which provides cash payouts to the top three entries. Emphasis will be on creativity, construction details, structural design, and planning. The course utilizes a 3D Computer Aided Design (CAD) system.

615B1B - GRAPHIC COMMUNICATION			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Potential Careers: Graphic Designer, Printing Press Operator, Graphic Artist

This course gives students the opportunity to develop 21st century skills in both software and hardware as it relates to digital image creation, collection, preparation, and file handling through many forms of digital media used in the industry. Students will work with various methods and materials in order to perform real-world printing applications and concepts. Students will be able to explore many different career opportunities in and relating to the graphic communications field including color-electronic prepress operations.

616B1B - RESIDENTIAL WIRING			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Potential Careers: Electrician, Lineman, Electrical Installer

This course covers the fundamentals of residential electrical wiring procedures and codes. Knowledge of electrical principles and wiring skills are developed with several individual and group hands-on exercises in the electrical lab. Careers in the electrical trade will also be explored. Safety glasses are required.

618B1B - ELECTRONICS 1			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: None

Potential Careers: Electronic Technician, Electro-Mechanical Technician, Electronic Engineer

This introduction course is designed for the first-time student to progress from no previous electronics experience to actual circuit design by the end of the term. Lab projects involve hands-on learning mixed with theory, constructing circuits using schematics, modifying existing circuits and designing new ones, troubleshooting techniques, a digital electronics introduction, soldering, and an introduction to basic stamp microprocessor programming

621B1C - METAL PROCESSES 1			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Potential Careers: Welder, Fabricator, HVAC, Machinist

This course explores a variety of metal processes and other processes used in the manufacturing of products. Modern Technology in the from of precision measurement, CNC-Machining, Research & Development, Manufacturing Systems experimentation, and Entrepreneur/Enterprise will be taught. Traditional areas such as welding, casting, Sheet Metal, Forging and Machine Tool Technology are also studied and skills developed. Safety glasses are required.

622B1C - METAL PROCESSES 2			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: Metal Processes 1

Potential Careers: Welder, Fabricator, HVAC, Machinist

This course is designed to expand on the Metals 1 program of metal processes used in manufacturing. Closer tolerances will be required in areas of sheet metal work, CNC-Machining, welding, machine tooling, lathe work and metal forging. Safety glasses are required.

623B1C - METAL PROCESSES 3			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: Metal Processes 2

Potential Careers: Welder, Fabricator, HVAC, Machinist

Students who have successfully completed Metal Processes 1 & 2 can take this course with the idea that they will complete a major project of their choice. Areas that can be worked in are welding, machine tool technology, sheet metal, casting, and forging. Students must select, design, and construct their project. Problems that arise on projects will be explored by all class members using a manufacturing type environment. Safety glasses and good work habits will be required. May be taken more than once only with Instructor approval.

NOTE: The cost of a project will depend on size, type of material used, and the hardware installed. Depending on their project, students may need to purchase items (steel, hardware, etc.) outside of the lab. Although many of the projects made in this course are larger, students can meet the requirements by constructing smaller projects (ex. cattails, flower, casting items. etc.). Students in the past have built projects for other people (family, neighbors, teachers, etc.), so they did not have to pay anything for the class and actually made money. All students will be allotted $25 towards a project. Anything over the $25 cost will need to be paid by the student. Safety glasses are required.

Students can take more than one time with instructor's approval.

624B1B – MACHINE SHOP 1*			
Semester Course	Grades 11 – 12 (#)	1 Credit	Prerequisite: Metal Processes 2

Potential Careers: Machinist, Lathe Operator, Mill Operator

Students who have successfully completed Metal Processes 1 & 2 can take this course. NWTC credits can be earned in the machine tooling program. All projects are required as per NWTC specifications. No individual projects are made in this class. With the extended block, two class periods running back to back, students will be able to set-up and construct more complex projects. Areas of emphasis include precision drilling, milling, turning, precision measurements, and CNC machine tool technology. Problems that arise on projects will be explored by all class members using a manufacturing type environment. Safety glasses and good work habits will be required.

Students can take more than one time with instructor's approval.

***This course is transcripted with NWTC's Intro to Machine Tool Apps (31-420-344) and Intro to Machine Tools (31-420-342) when taken as a junior or senior.**

625B1A – RAIDER PRODUCTS			
Semester Course	Grades 11 – 12	.5 Credit	Prerequisite: Metals 2 and successful completion of the application and interview process

Potential Careers: Welder, Fabricator, HVAC, Machinist, Project Manager

The students participating in Raider Products will have practical real-world and hands-on work experience in metalworking, fabrication, machining, and welding in a "Job Shop" manufacturing business. Employees of the student run business will receive and process real client's requests from local businesses and individuals for products to which they will perform cost estimating, material planning and ordering, invoicing, billing, shipping, and all other business aspects in addition to the actual fabrication of the products. As an added bonus, the students in Raider products will have developed interpersonal written and oral communication skills, teamwork and collaboration skills, technology and manufacturing skills, responsibility and time management skills, and quality assurance understanding as it applies to work-based learning. Safety glasses are required.

Students can take more than one time with instructor's approval

630B1B - RESIDENTIAL CONSTRUCTION			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: None

Potential Careers: Carpenter, Mason, Plumber, Roofer, HVAC, Any Construction Trade

Residential construction places emphasis on the practices and construction of houses, garages, and small structures. Students learn how the site is cleared, the structure is designed, how to have designs approved, how to obtain permits needed, and methods used in construction of these structures. Students will be divided into groups for purpose of research, designing and constructing models, full size structures, and hands-on building experiences. Students will learn to read blueprints, make material lists, make cost estimates, plan the construction sequence, and build a structure. Safety glasses are required.

634B1A - WOOD TECHNICS 1			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Potential Careers: Cabinetmaker, Finish Carpenter, Any Construction Trade

Wood Technics 1 covers the areas of shop and machine safety, proper use of woodworking machines, use of power and non-power hand tools, construction of joinery, assembly techniques, use of fasteners, wood finishing, exploration of careers, and Computer Numerical Control (CNC) technology. Being a project-based class, students will be able to hone not only their hands-on abilities but also their problem-solving skills. Required projects being completed include a cutting board, mantel clock, choice project, and a CNC project. Students will be supplied with pine as the base material for their wood projects. If they are using a more expensive wood, they will pay the difference in price. Safety glasses are required.

635B1B - WOOD TECHNICS 2			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: Wood Technics 1

Potential Careers: Cabinetmaker, Finish Carpenter, CNC Operator, Any Construction Trade

Wood Technics 2 covers the following areas of woodworking: reading drawings, wood identification, bill of materials, shop and machine safety, proper use of woodworking machines, proper use of power and non-power hand tools, construction and identification of joinery, wood finishing, and installation of hardware. In addition to constructing a nightstand, students will complete a Computer Numerical Control (CNC) project and a solid surface material project. Students will be supplied with pine as the base material for their wood projects. If they are using a more expensive wood, they will pay the difference in price. Safety glasses are required.

636B1B - WOOD TECHNICS 3			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: Wood Technics 2

Potential Careers: Cabinetmaker, Finish Carpenter, Any Construction Trade

Wood Technics 3 allows each student to select, design, and construct a project of their choice. Topics that will be covered include: furniture styles, design process, joinery, finishing, and safety. This class is project-based, so most of the time will be spent in the lab. **NOTE**: The cost of a project will depend on size, type of wood used, and the hardware installed. Depending on their project, students may need to purchase items (plywood, hardware, etc.) outside of the lab. Although many of the projects made in this course are larger, students can meet the requirements by constructing smaller projects (ex. jewelry box, wall vanity, etc.). Students in the past have built projects for other people (family, neighbors, teachers, etc.), so they did not have to pay anything for the class and actually made money. All students will be allotted $25 towards a project. Anything over the $25 cost will need to be paid by the student. Safety glasses are required. Students may take this course multiple times for credit.

Students can take more than one time with instructor's approval.

637B1B - WOOD TECHNIQUES – CABINETRY 1			
Semester Course	Grades 10 – 12	1 Credit	Prerequisite: Wood Technics 2

Potential Careers: Cabinetmaker, Finish Carpenter, Any Construction Trade

Wood Techniques – Cabinetry 1 is intended for students that want to further develop their cabinetmaking skills. With the extended amount of time, 16 mods per week, students will be able to construct more complex projects than would normally be attempted. In addition to personal projects, students will also have advanced cabinetmaking exercises to complete throughout the semester. Students will need to supply materials for their advanced projects (see note in Wood Technics 3 course description). Safety glasses are required.

Students can take more than one time with instructor's approval.

638B1A – RAIDER PRODUCTS: WOODS			
Semester Course	Grades 11 – 12	.5 Credit	Prerequisite: Wood Technics 2

Potential Careers: Cabinetmaker, Finish Carpenter, CNC Machinist, Any Construction Trade, Project Manager

Raider Products: Woods will have students solve practical real-world and hands-on work experience in woodworking, fabrication, and using CNC technology in a "Job Shop" manufacturing business. Employees of the student-run business will receive and process real client's requests from local businesses and individuals for products to which they will perform cost estimating, material planning and ordering, invoicing, billing, shipping, and all other business aspects in addition to the actual fabrication of the products. Students will also develop interpersonal written and oral communication skills, teamwork and collaboration skills, technology and manufacturing skills, responsibility and time management skills, and quality assurance understanding as it applies to work-based learning. Safety glasses are required.

640B1C - SMALL ENGINE TECHNOLOGY			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Potential Careers: Small Engine Technician, Parts Manager, Power Sports Technician

In this course students will learn a fundamental understanding of internal combustion engine operation, components, and mechanical systems. The topics of this course will cover safety, fluid powers, lubrication, cooling, fuel, and exhaust systems. It will also include a fundamental understanding of basic power equipment operation and applications. This course will be a core introductory understanding of technicians troubleshooting techniques. Safety glasses are required.

641B1C - AUTOMOTIVE TECHNOLOGY			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: **Valid Drivers License & Small Engine**

Potential Careers: Automotive Technician, Parts Manager, Car Salesperson

This course is an introduction to automotive technology for both consumer and technician perspectives. Students will be learning and developing key understandings of technological improvements of vehicles as well as modern industrial standards involving vehicle repair and maintenance. Students will perform numerous hands-on activities within class and lab while working on his/her own vehicle to perform a variety of assignments. Emissions, technological, and consumer impacts will be heavily stressed in addition to the exploration of automotive careers. Safety glasses are required.

642B1A – RAIDER PRODUCTS: AUTO			
Semester Course	Grades 11 – 12	.5 Credit	Prerequisite: **Automotive Tech. & successful completion of interview and application**

Potential Careers: Automotive Technician, Parts Manager, Station Manager

Raider Products: Auto will have students solve practical real-world and hands-on work experience in the automotive industry. Employees of the student-run business will receive and process real client's requests from individuals for diagnosis and repair. From there, students will form cost estimating, material planning and ordering, invoicing, billing, and all other business aspects. Students will also develop interpersonal written and oral communication skills, teamwork and collaboration skills, technology and manufacturing skills, responsibility and time management skills, and quality assurance understanding as it applies to work-based learning. Safety glasses are required.

645B1B – DESIGN ESSENTIALS: IN AND AROUND THE HOME			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: See below

Potential Career: Interior Design,(meant to be an informative course about general home and auto maintenance)

Do you like to be creative? By learning how various systems (car, house structure, home mechanicals, etc.) function in and around the home, students will be able to apply that knowledge through various projects. Projects that will be completed will be ceramic tiling, drywall repair and texturing, painting, garden art/sculptures, home energy, furniture re-purposing/re-furbishing, and basic car repairs/maintenance. This class is meant to be an overview of these different systems. Safety glasses are required.

650B1A - CISCO NETWORKING 1			
Semester Course **(Fall Semester)**	Grades 10 – 12	.5 Credit	Prerequisite: None

Potential Careers: Network Technician, Network Specialist, Network Programmer

This class is designed to provide students with classroom and lab experiences in current and emerging network technology. Instruction includes, but is not limited to: safety, networking, network terminology and protocols, network standards, LANs, WANs, OSI model, cabling, cabling tools, routers, router programming, star topology, and IP addressing. Particular emphasis is given to the use of decision-making and problem solving techniques. In addition, instruction and training are provided in the proper care, maintenance, and use of networking software, tools, and equipment in compliance with all local, state, and federal safety, building, and environmental codes and regulations.

651B1B - CISCO NETWORKING 2*			
Semester Course **(Spring Semester)**	Grades 10-12	.5 Credit	Prerequisite: Cisco Networking 1

Potential Careers: Network Specialist, Network Programmer, Network Engineer, Network Administrator

This is the second course in the networking series. This class is designed to provide students with classroom and lab experience in current and emerging networking technology. Instruction includes, but is not limited to, safety, networking, network terminology and protocols, network standards, LANs, WANs, OSI model, Ethernet, token ring, fiber distribution interface, TCP/IP addressing protocol, dynamic routing, routing, and the network administrator's role and function. Particular emphasis is given to the use of decision making and problem solving. In addition, instruction and training are provided in the proper care, maintenance, and use of networking software, tools, and equipment in compliance with all local, state, and federal safety, building, and environmental codes and regulations.

***This course is transcripted with NWTC's IT: Network: Cisco 1 (10-150-163) when taken as a junior or senior.**

655B1B - WEB PAGE DESIGN			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: None

Potential Careers: Graphic Designer, Web Designer

Students will be able to perform multiple methods techniques used in web page development as it relates to business and industry. Students have the opportunity to understand the technical aspect of website development utilizing current methods and trends. Web browsers, mobile devices, industry standards, content management, and hosting will all be important topics of this course. This will be accomplished by using various types of software to understand the fundamental design and operation of websites.

656B1A – IT: SUPPORT: HARDWARE INTRODUCTION*			
Semester Course	Grades 9 – 12	.5 Credit	Prerequisite: None

Potential Careers: Network Technician, Network Installer

This course provides an excellent introduction to the IT industry and interactive exposure to personal computers, hardware, and operating systems. Students participate in hands-on activities and lab-based learning to become familiar with various hardware and software components and discover best practices in maintenance and safety. In addition, the course covers laptops and portable devices, wireless connectivity, security, safety and environmental issues, communication skills, and customer support.

***This course carries advanced standing with NWTC's IT: Support: Hardware Introduction (10-154-150) if the student earns a "B" or better when taken as a junior or senior.**

9361 - 3D ANIMATION - INDEPENDENT STUDY			
Semester Course	Grades 10 – 12	.5 Credit	Prerequisite: Computer Aided Drafting or IED

Potential Careers: Graphic Designer, Design Animator

This course is offered to provide students an independent learning opportunity to explore and develop skills in a popular 3-D animation software package. Students receive guidelines and instructions to develop a custom project based learning experience for each student. There will be one final project in which the students will use his/her knowledge to create an single final project of their own design based on instructor criteria and student input. Students interested in taking this course should see their counselor to complete an independent study form.

COPTCY - APPLIED TECHNOLOGY CO-OP CLASS			
Year Course	Grade 12	.5 Credit	Prerequisite: Two courses in this department

This senior-level course is designed for students interested in a school-day work experience their senior year. Topics covered include career opportunities, career decision-making process, human relations in the workplace (teamwork, leadership, ethics, sexual harassment, attitude), communications (listening, speaking, writing), legal aspects of employment (payroll, unions), and job-seeking skills.

This is a required course for participation in the co-op work experience.

COPTWC - APPLIED TECHNOLOGY CO-OP JOB			
Year Course	Grade 12	1 Credit	Prerequisite: See Below

Prerequisite: Simultaneous enrollment in COPTCY plus successful completion of an Engineering or Technology course in area of interest or approval of instructor and counseling department.

Students are able to apply classroom skills by participating in a work-release program.
Students enrolled in course COPTWC must obtain a job in an Engineering or Technology related career area:

Graphic Communications: Digital Prepress, Desktop Publishing Specialist, Platemaker, Press Operator, Press Assistant
Transportation: Auto Service Attendant, Auto Body Technician, Auto Technician
Construction: Site assistant, House Repairer, Carpenter, Electrician, Pipe Fitter, Surveyor
Manufacturing: Foundry Worker, Welder, CAD, Designer, Machinist

**Note: Student can elect to take the classroom portion (COPTCY) without participating in the job site portion (COPTWC). Students must take the classroom portion if they elect to participate in the job site portion.

Letter of recommendation is needed from a teacher in the department of work experience.

WORLD LANGUAGES

SOME OCCUPATIONS RELATED TO INTEREST AND ABILITY IN WORLD LANGUAGES

Global Correspondent
Dramatic Coach
Global News Interpreter
Composer
Music Teacher
Physician
Exchange Student Adviser
Immigration Inspector
Aerospace Industry
Information Clerk
Librarian
Anthropologist
Curator
Stenographer
Historian
Travel Agent
Messenger

Essayist/Author
Police Officer
Foreign Exchange Clerk
Nurse
Lawyer
Diplomat
FBI Agent
Singer
Tutor
Travel Agent
Customs Examiner
Doctor
Military
Linguist
Translator
Travel Guide
Teacher
Social Group Worker
Fashion & Design
Medical Assistant
Import/Export Clerk
Missionary
Foreign Service Worker
Court Interpreter
Salesperson
Receptionist
Actor/Actress
Flight Attendant
Stenographer

WORLD LANGUAGES

Course Length	Credit	Name of Course	Course Number	9	10	11	12	Prerequisite
1 Year	1	French I	701B1Y	X	X	X	X	
1 Year	1	French II	702B1Y	X	X	X	X	French I
1 Year	1	French III	703B1Y	#	X	X	X	French II
1 Year	1	French IV	704B1Y	_	#	X	X	French III
1 Year	1	AP French V [idx]	705B1Y	_	_	#	X	French IV
1 Year	1	Oneida I	711B1Y	X	X	X	X	
1 Year	1	Oneida II	712B1Y	X	X	X	X	Oneida I
1 Year	1	Oneida III	713B1Y	_	X	X	X	Oneida II
1 Year	1	Oneida IV	714B1Y	_	_	X	X	Oneida III
1 Year	1	Spanish I	721B1X	X	X	X	X	
1 Year	1	Spanish II	722B1X	X	X	X	X	Spanish I
1 Year	1	Spanish III	723B1X	#	X	X	X	Spanish II
1 Year	1	Spanish IV	724B1X	_	#	X	X	Spanish III
1 Year	1	Spanish V	725B1X	_	_	#	X	Spanish IV
1 Year	1	PHS-UWGB Spanish V [idx]	726B1X	_	_	#	X	Spanish IV and grade of B or better in Spanish IV

# Denotes an exception to the standard course sequence. The course is open to students with the pre-approval of both the Counseling and World Languages Department. Please contact the PHS counseling office with questions.

[idx] This course is Grade Indexed

X Enrollment available to students in designated grade levels

701B1Y - FRENCH I			
Year Course	Grades 9-12	1 Credit	Prerequisite: None
French I introduces the student to the French language and culture. Students learn practical vocabulary and expressions that would be used in day-to-day situations in a French-speaking country. Students practice all four language skills (speaking, reading, writing and listening) while comparing American culture and way of life to that in French-speaking countries.			

702B1Y - FRENCH II			
Year Course	Grades 9-12	1 Credit	Prerequisite: French I
French II continues developing the student's vocabulary base with practical expressions to use in a wider variety of day-to-day situations. Grammar expands to include the past tense and students study all of France and French-speaking Europe.			

703B1Y - FRENCH III			
Year Course	Grades 10-12 (#)	1 Credit	Prerequisite: French II
French III expands the student's vocabulary base with the goal of conversational self-sufficiency in day-to-day and travel situations. Grammar study broadens to include a wider variety of verb tenses as well as different types of pronouns. Students immerse themselves in Parisian life, and study the wider French-speaking world.			

704B1Y – FRENCH IV			
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: French III
This advanced course exposes students to the rich history of France, beginning with prehistory and continuing through World War II. Students will also study authentic literature and art from each time period and further develop their understanding of advanced grammar, including all compound verb tenses.			

705B1Y – AP FRENCH V			Grade Indexed (see pg 17)
Year Course	Grade 12 (#)	1 Credit	Prerequisite: French IV
This advanced course introduces students to the contemporary culture of France, including geography, politics, environmental issues, technology, social structure, and fine arts. Students will also study film and literature from the French-speaking world, including the novel *Notre-Dame de Paris*. Further study of advanced grammar is also included, including a comprehensive review of all verb tenses.			

711B1Y – ONEIDA I			
Year Course	Grade 9-12	1 Credit	Prerequisite: None
Oneida I introduces the student to Oneida Language and Culture. Emphasis is placed on building a basic, everyday, vocabulary as well as studying grammatical concepts of the language. Language skills are developed through speaking, reading, writing, and listening. This course may NOT meet 4 year university/college entrance requirements. Please check with your counselor for details. This course will be offered pending federal language grant.			

712B1Y – ONEIDA II			
Year Course	Grade 9-12	1 Credit	Prerequisite: Oneida I
Oneida II continues the task of further building the student's vocabulary, as well as studying in more detail the various grammatical concepts of the language. Language skills are further developed in speaking, reading, writing, and listening.			

713B1Y – ONEIDA III			
Year Course	Grade 10-12	1 Credit	Prerequisite: Oneida II
Oneida III continues to expand the student's vocabulary base with a focus on cultural stories, noun incorporation, verb acquisition, and sentence structure. Students continue language acquisition and are able to continue to develop skills of speaking, listening, writing, and comprehending in the language. Students will use skills to communicate in and outside of class.			

714B1Y – ONEIDA IV			
Year Course	Grade 11-12	1 Credit	Prerequisite: Oneida III
Oneida IV further develops the skills studied in previous language classes. Students will gain knowledge of complex and advanced verbs, including an introduction to additional verb tenses and patterns. Students will also continue to study proper sentence structure within the framework of cultural stories. Students will create technology-inspired projects of their work and continue their language acquisition through the continued development of their speaking, listening, writing and comprehension skills in and outside of class.			

721B1X - SPANISH I			
Year Course	Grades 9-12	1 Credit	Prerequisite: None
Spanish I introduces the student to communicating in the Spanish language. Emphasis is placed on building everyday interactions through meaningful practice of basic vocabulary and grammatical concepts. The cross-cultural comparisons and connections of products, practices and perspectives of Spanish-speaking countries and our own are also studied.			

722B1X - SPANISH II			
Year Course	Grades 9-12	1 Credit	Prerequisite: Spanish I
Spanish II continues building the student's Spanish communication skills. Speaking, listening, reading, and writing are further developed through increased practice of vocabulary and grammatical concepts. The cross-cultural comparisons and connections of products, practices and perspectives of Spanish-speaking countries and our own are also studied.			

723B1X - SPANISH III			
Year Course	Grades 10-12 (#)	1 Credit	Prerequisite: Spanish II
Spanish III utilizes previously acquired language skills as a basis for more detailed study and practice in the language. Vocabulary is enriched through short readings; grammatical concepts are reviewed and expanded; conversational skills are further developed through group activities, and writing skills are practiced through guided and open-ended compositions. The cross-cultural comparisons and connections of products, practices and perspectives of Spanish-speaking countries, other countries, and our own are also studied.			

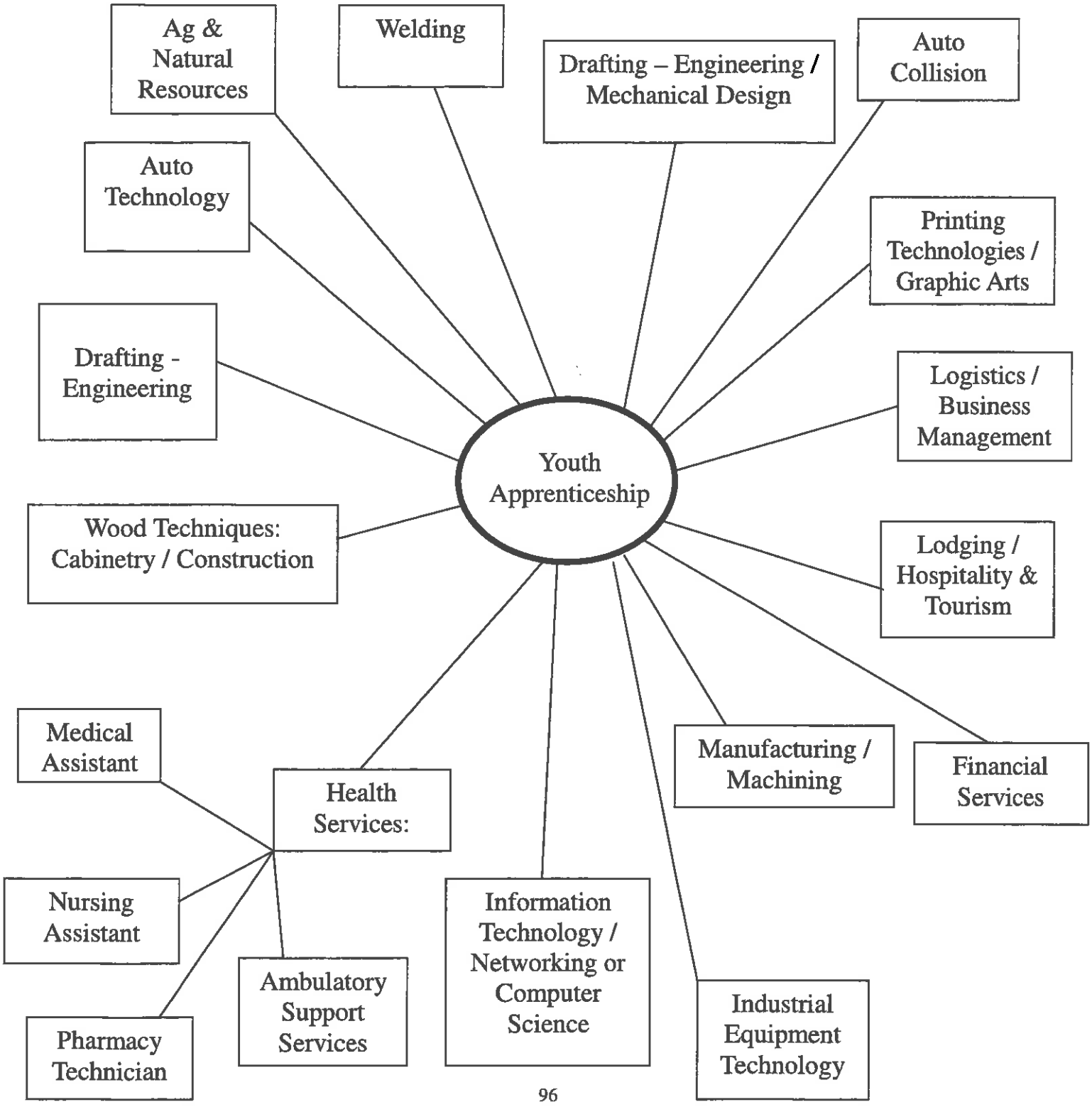
724B1X - SPANISH IV			
Year Course	Grades 11-12 (#)	1 Credit	Prerequisite: Spanish III
Spanish IV further refines the concepts and skills studied in the previous language classes, as well as introduces new ones. A great emphasis is placed on developing conversational and writing proficiencies. First semester is a concise review of Spanish grammar. The literary piece Don Quijote is studied and a unit on the history, geography, and culture of Spain is included. The cross-cultural comparisons and connections of products, practices and perspectives of Spanish-speaking countries, other countries, and our own are also studied.			

725B1X - SPANISH V			
Year Course	Grade 12 (#)	1 Credit	Prerequisite: Spanish IV
Spanish V refines the student's use of intermediate – advanced grammar, vocabulary acquisition, critical thinking, and problem solving skills. Emphasis is placed on oral and written proficiency. The acquisition of cultural competency through Hispanic literature is a major goal. This course includes individual research projects, discussion, role-playing, and cooperative group exercises. Class is conducted entirely in Spanish.			

726B1X - PHS-UWGB SPANISH V			Grade Indexed (see pg 17)
Year Course	Grade 12 (#)	1 Credit	Prerequisite: Spanish IV and grade of B or better in Spanish IV
Spanish V refines the student's use of intermediate – advanced grammar, vocabulary acquisition, critical thinking, and problem solving skills. Emphasis is placed on oral and written proficiency. The acquisition of cultural competency through Hispanic literature is a major goal. This course includes individual research projects, discussion, role-playing, and cooperative group exercises. Class is conducted entirely in Spanish. Students successfully completing this course with a grade of B or better will receive 3 credits in Spanish 202 plus 11 retroactive Spanish credits from UWGB. One of the course requirements is to take a UWGB approved final exam.			

YOUTH APPRENTICESHIP

SOME OPPORTUNITIES IN THE YOUTH APPRENTICESHIP PROGRAM



YOUTH APPRENTICESHIP

Youth Apprenticeship is a one or two year program for students combining classroom instruction (both high school and college) and paid on-the-job training. By participating, students gain a set of skills and abilities by learning in the classroom and work settings.

Youth Apprenticeship is a one or two-year commitment – students become a part of it during their junior and/or senior year. During the one or two years, students will work (and get paid for!) a minimum of 900 hours (450 hours if a one year student) at a local business/industry, and take classes at NWTC. Students will spend approximately a ½ day at Pulaski High School, fulfilling their high school requirements.

How to Apply:
Applications for Youth Apprenticeship will be available in January of a student's sophomore/junior year. The deadline for applying is March 1. Since youth apprenticeships are competitive, students should register for a traditional schedule, but note on the course request form that they are interested in Youth Apprenticeship. Interviews for positions will take place between April and July. Students accepted into the program should arrange a meeting with their school counselor immediately to design the student's schedule.

AGRICULTURE & NATURAL RESOURCES –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing
2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit This apprenticeship focuses on the production, processing, marketing, distribution, financing, and development of agriculture commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.			

AUTO COLLISION –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing
2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit This apprenticeship focuses on the following areas: Panel preparation, panel replacement and alignment, working with trim and hardware, metal straightening, using body fillers, moveable glass and hardware, stationary glass replacement, restoring corrosion protection, MIG welding, safety and environmental practices, understanding automotive finishes, preparing the surface for refinishing, preparing the equipment, paint area and refinish materials, detailing, analyzing damage, identification and repair decisions, cooling systems.			

AUTO TECHNOLOGY –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing
2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit This apprenticeship focuses on the following areas: safety procedures and regulations, work order processing, diagnosing customer complaints, maintaining vehicle performance, servicing heating and air conditioning systems, servicing brakes, servicing fuel systems, acquiring parts, maintaining work area, participating in continuing training.			

WOOD TECHNIQUES – CABINETRY / CONSTRUCTION –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

This apprenticeship curriculum was developed by Brown Country Home Builders Association & Associated Builders and Contractors, Inc. (ABC) of Wisconsin in conjunction with NWTC. The apprenticeship will focus on the following areas: core abilities, basic math, power tools, basic rigging and basics of the cabinet making process including design/layout, blueprint reading, basic tools, cutting, assembling, finishing and installing.

DRAFTING – ENGINEERING –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

This apprenticeship focuses on the following areas: fundamentals of drafting, computer aided drafting, engineering graphics, and principles of engineering.

DRAFTING—ENGINEERING / MECHANICAL DESIGN –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

This apprenticeship focuses on the following areas: basic drafting techniques and the manufacturing processes such as welding, product assembly, and coatings.

FINANCIAL SERVICES –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

The apprenticeship focuses on the following areas: performing teller-related functions, performing new account and related service functions, performing accounting operations and functions.

HEALTH SERVICES –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

Program areas include medical assistant, nursing assistant, pharmacy technician, ambulatory support services, therapeutic services and diagnostic services.

INFORMATION TECHNOLOGY / NETWORKING OR COMPUTER SCIENCE –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

This apprenticeship curriculum was developed by Cisco Systems. The apprenticeship will focus on the following areas: decision-making and problem-solving techniques in applying science, mathematics, communication and social studies concepts to networking problems. Instruction focuses on networking fundamentals and includes safety, networking terminology and protocols, LANs and WANs, OSI models, networking components, industry standards, topologies, network design, introduction of premise network cabling, Ethernet, token ring, TCP/IP addressing protocol, routing and the administrator's role and function, and advanced network design and management.

LODGING / HOSPITALITY & TOURISM –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

This apprenticeship focuses on the following areas: Back of the house – maintain and repair equipment, clean and maintain common areas, clean rooms, provide food and beverage services, operate laundry, maintain grounds. Sales – research hospitality trends and changes in the marketplace, plan events, coordinate-marketing strategies solicit new business. Front of the house – check guests in, check guests out, perform cashier duties, execute in-house audit, reserve rooms, operate switchboard, process correspondence, and provide guest services. Bookkeeping – process payroll, process and approve direct billing, process accounts payable, generate monthly profit and loss statements, process accounts receivable, purchase and receive goods.

LOGISTICS / BUSINESS MANAGEMENT-1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

Logistics is the interaction of all the activities involved in moving goods from the point of origin to the point of consumption. This apprenticeship focuses on the following areas: purchasing, inventory control, material handling, production planning, packaging, warehousing, and transportation.

MANUFACTURING / MACHINING-1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

This apprenticeship focuses on the following areas: Bench skill, engineering skills, metal cutting operations, inspection and quality assurance skills, computer numerical control skills, work environment skills.

PRINTING TECHNOLOGIES / GRAPHIC ARTS –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

This apprenticeship focuses on the following areas: showing knowledge of the printing industry, providing production support services, developing art/copy, producing keyline paste-ups, generating reproduction films , assembling images manually, performing basic electronic imaging operations, creating image carrier, performing image transfer, finishing printed product, following all safety procedures and regulations, applying principles of typography, applying colors theory concepts.

WELDING –1 or 2 Years			
	Grades 11-12		Prerequisite: Sophomore/Junior in Good Standing

2 credits work site/year—must have job placement to earn this credit; 1-2 credit courses at NWTC=.5 PHS credit; 3-4 credit courses at NWTC=1 PHS credit

This apprenticeship focuses on the following areas: core abilities, welding basics, welding principles and practices (stick, MIG,TIG, Flux Core) and cutting principles and practices.