

Parents & Students

Please use the information in this brochure to strengthen your understanding of the programs and policies of PHS. Students are encouraged to use this publication as a starting point as they make decisions about the course work to be undertaken in 2009-2010. More detailed curriculum information will be made available to students and parents upon request. Contact a member of the academic department for clarification about course content, difficulty level, grading practices, and other questions of interest to parents and students.

Junior Class of 2010

You and your parents are invited to schedule an individual planning session with a counselor.

Important information regarding post - secondary options will be shared with the family.

To make an appointment,
call Donna Billig,
Guidance Secretary,
691 - 2100, ext. 6010.

Some evening appointments will be available; each appointment will last about 90 minutes.

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Course Offerings

Art

Art Fundamentals
Art History
Drawing I
Painting
Drawing II/Painting II
Ceramics/Sculpture
Art Metals
Design
Digital Photography
Advanced Placement Studio Art (AP Art)
Animation

Business Education

Introduction to Business
Keyboarding
Document Processing
Software Savvy
Advanced Computer Applications
Law & You
Business Communications
International Business
Professional Design and Publishing
Beginning Accounting
Advanced Accounting
Business Management
Marketing
Sports & Entertainment Marketing
Entrepreneurship
Web Page Design & Development

English

English 9
English 9-Honors
English 10
English 10-Honors
American Literature
Honors Literature & Composition
British & World Literature
Advanced Placement English Literature & Composition
** Advanced Placement English Language & Composition
20th Century Literature: Literature Through the Decades
Humanities
Speech
**Dramatic Literature & Playwriting Honors

Family and Consumer Education

Fashion Analysis and Interior Design
Fashion Construction
Foods
Foods, Families & Society (Foods II)
Parenting
Child Development
Introduction to Health Occupations
Personal & Financial Management
#Medical Terminology

World Languages

French I
French II
French III
French IV
Advanced Placement French
Spanish I
Spanish II
Spanish III
Spanish IV
Advanced Placement Spanish

Health

Health

Mathematics

Algebra 1A
Algebra 1B
Integrated Math
Algebra 1
Geometry
Algebra 2
Honors Algebra 2
Transition to College Math
Trigonometry
Honors Introduction to Calculus
Precalculus
Honors Trigonometry/Precalculus
Advanced Placement Calculus BC
Advanced Placement Statistics
**Java Honors
**C++ & Game Programming
**AP Computer Science AB

Music

Freshman Choir
Mixed Choir
Treble Choir (all female choir)
Varsity Choir
Jazz Choir
Music Theory
Concert Band
Symphonic Band

Physical Education

Physical Education 9
Physical Education 10
Physical Education 11-12
Physical Education Elective

Science

Environmental Science
Physical Science
Biology
Human Anatomy
Advanced Placement Biology
Chemistry
Honors Chemistry II
Advanced Placement Chemistry
Physics B
Advanced Placement Physics
Advanced Placement Env. Science
+Technology Lab

Social Studies

Introduction to Social Sciences
Current Issues
Modern World History
Advanced Placement World History
United States History
Advanced Placement United States History
Government
Economics
Model United Nations
Psychology
Geography
Sociology
Academic Decathlon

Library

The library is open from 7:00am until 3:15pm. The library is also open for student use on Tuesday and Thursday until 5:00pm. Students doing research or looking for a good book to read will be able to use the library during scheduled class time, resource, and before and after school. The library computer lab allows students to access the electronic library catalog, online subscription sites, the Internet, and networked CD-ROM reference material.

Technology Education

Introduction to Engineering Design (PLTW)
Introduction to Technology & Engineering
Technical Design
Advanced Design
Manufacturing Technology
Engineering Production
Wood Technology
Cabinet & Furniture Making
Construction & Home Improvement
Construction/Building Trades
Small Engines/Automotive Care for Consumers
Architecture and Technical Design
Architecture Design II
+Technology Lab
Graphics Arts I
#Graphics Arts II
Principles of Engineering(PLTW)
Video Production

Career Connections

Key

<i>Italics</i>	= 1 semester
+	= credit applicable in two categories
#	= WCTC credit available
**	= virtual course

General Information

This curriculum guide is designed to provide students and parents with the information needed to plan for student success in high school and to prepare for later life. Wise selection and sequencing of courses are important keys to a successful four years. Counselors, administrators, and teachers all stand ready to offer assistance. The initiative should be taken by the student as they must shape the direction of their lives and determine where and how to apply their effort and talents.

As students design their four year plan, they should use this guide as a resource to answer the following important questions.

1. Am I working each year to meet graduation requirements?
2. Am I selecting courses consistent with my interests and abilities?
3. Am I anticipating and preparing for a productive future?

Four Year Academic Plan

A student's four-year high school program provides a framework within which a student can prepare for a variety of post-secondary options. A student's elective choices should be made based upon the student's interests, abilities, and career/vocational/educational plans.

The counselors will meet individually with freshmen to develop a Four-Year Plan in which they will discuss current goals, future plans and the function of standardized tests. The purpose of this meeting is to help students better understand the connection between the courses they select in high school and their personal/career goals.

On the following page you will find a sample of the Four Year Pirate Talk (academic plan) that the counselors are using. As always, if you have any questions or comments, please contact your student's counselor.

The block schedule provides all Pewaukee High School students with the opportunity to broaden their educational base through exposure to eight classes per year. The graduation requirements are listed on page 6.

PHS Graduation Requirements

As you prepare to register for courses for the 2009-2010, remember to choose courses that meet your academic goals while also satisfying PHS graduation requirements. If you have questions, please see your counselor.

Subject	Pewaukee HS Requirements
	<ul style="list-style-type: none"> ✓ 28 Total Credits ✓ Successful completion of the following subject and credit requirements ✓ Year long courses= 1.0 Credit Semester Course= 0.5 Credits
English	4 Credits Including: English 9/Honors English 9 English 10/Honors English 10 American Literature/Honors Literature British Literature/AP English Literature & Composition
Math	3 Credits: Math Course _____ Math course _____ Math Course _____
Science	3 Credits including: Biology Science elective _____ Science elective _____
Social Studies	3.5 Credits including: Introduction to Social Science Modern World History/AP World History US History/AP US History Government
Physical Education	1.5 Credits including (Each course is 1 semester): PE 9 PE 10 PE11/12
Health	.5 Credit
Fine Arts/Practical Education	3.0 Credits from courses in the following departments: ➤ Art ➤ Business ➤ Family & Consumer Education ➤ Music (band/choir) ➤ Technology Education
Electives	9.5 Credits from any course that is not taken to meet one of the above requirements
Total Credits	28 Credits

Pewaukee High School Pirate Talk (Academic Plan)

Grade 9	Grade 10	Grade 11	Grade 12
English 9 Hon. English 9	English 10 Hon. English 10	American Lit Hon. Lit & Comp	British World Lit AP English Lit&Composition
Algebra 1A Algebra 1 Geometry Hon. Algebra 2	Algebra 1B Geometry Integrated Math Algebra 2 Hon. Algebra 2 Hon. Trig/Precalc	Geometry Integrated Math Trans. College Math Algebra 2 Trigonometry Precalculus Hon. Trig/Precalc Hon. Intro Calc	Geometry Algebra 2 Trans. College Math Trigonometry Precalculus Honors Intro Calculus AP Calculus BC AP Statistics
Physical Science Biology	Environmental Science Biology Chemistry Tech Lab	Environmental Science Biology Chemistry Hon. Chemistry II AP Chemistry Physics Human Anatomy AP Environmental Science Tech Lab	Environmental Science Chemistry Hon. Chemistry II AP Chemistry Human Anatomy Physics AP Physics AP Biology AP Environmental Science
Intro Social Science	Modern World History AP World History	US History AP US History	<i>Government</i>
<i>Physical Ed. 9</i>	<i>Physical Ed. 10/Health</i>	<i>Physical Ed. 11</i>	

GRADE 9

1. *English 9 or Hon. English 9*
2. *Alg. 1A, Alg. 1, Geometry, Hon. Alg. 2*
3. *Phy. Science or Biology*
4. *Intro Social Sciences*
5. *PE 9/_____*
- 6.
- 7.
- 8.

GRADE 11

1. *American Lit. or Hon. Lit & Composition*
2. *(Math)*
3. *(Science)*
4. *U. S. History or AP US History*
5. *PE 11-12/_____*
- 6.
- 7.
- 8.

GRADE 10

1. *English 10 or Hon. English 10*
2. *Alg. 1B, Geometry, Alg. 2, or Hon. Alg.2, Hon. Trig/Precalc*
3. *Biology, Chemistry, Env. Sci., or Tech Lab*
4. *Modern World History or AP World History*
5. *PE 10/Health*
- 6.
- 7.
- 8.

GRADE 12

1. *British Lit, or AP English Literature & Composition*
- 2.
- 3.
4. *Govt./_____*
- 5.
- 6.
- 7.
- 8.

Course Selection

Once a student requests a course, a series of commitments on the part of the school is made. Courses offered will depend on enrollment requests. A minimum number of students must request a course before the course will be offered. When a course is dropped, the student may select another course in its place. **Course selection, therefore, is extremely important and should be considered as much a commitment on the part of the student as the school.** We urge students to consult with teachers, counselors, and administrators before making course selections. After securing the basic information, students should discuss their choices with their parents and come to an agreement. Keeping this information in mind, **The school expects students to honor their commitments and parents to support the school which is providing the requested program for their son or daughter.**

Schedule changes **may** be permitted prior to the completion of the 4th day of each semester provided a schedule modification form is completed and approved. No schedule changes will be considered following the 4th day of each semester unless extenuating circumstances arise. If administration deems it necessary to withdraw a student from a class after the 4th day of a semester, he/she will receive an "F" for the semester in that class and a "W" designating course withdrawal may appear on the student's transcript.

As students proceed through the process of selecting courses, they should remember to have alternative course selections in mind in the elective areas in case a scheduling conflict should occur. **Classes with low enrollment may be subject to cancellation.**

Student Course Load

Pewaukee High School students in grades 9, 10 and 11 are required to enroll in eight classes per semester. Students with 21 credits and a cumulative grade point average at or above 2.0 may choose, with parent permission, to take seven classes per semester.

Pupil Non-Discrimination

The Pewaukee School District does not discriminate against pupils on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its education programs or activities. Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, religion or handicap.

Report Cards

Student progress in each class will be evaluated and reported to the student and his/her parent or guardian quarterly. Letter grades will be determined and distributed following the conclusion of each grading period.

Grading Scale

A	94+	B	85-87	C	76-78	D	67-69
A-	91-93	B-	82-84	C-	73-75	D-	64-66
B+	88-90	C+	79-81	D+	70-72	F	Below

Quarter grades do not affect class rank or cumulative grade point average, but are used to determine quarterly honor roll recognition. Semester grades (distributed in January and June) become part of the permanent scholastic record and are the basis for determining the cumulative class rank and cumulative grade point average which are computed at the end of each semester.

Grade standards and grade point equivalents of letter grades are as follows:

<u>Grade Points</u>	<u>Grade</u>	<u>AP & Honors Course Grade Points</u>
4.0	A	4.5
3.7	A -	4.2
3.3	B+	3.8
3.0	B	3.5
2.7	B -	3.2
2.3	C+	2.8
2.0	C	2.5
1.7	C -	2.2
1.3	D+	1.8
1.0	D	1.5
0.7	D -	1.2
0.0	F	Failure 0.0
0.0	I	Incomplete —
0.0	Aud	Audit —
0.0	W	Withdrawn —
0.0	M	Medical —

Honor Roll

A student earning a quarterly grade average of 3.5 or better and who is carrying the required number of credits will have his/her name placed on the high honor roll. Students with a quarterly grade average of 3.0 – 3.49 will be placed on the honor roll. The honor roll is posted throughout the following quarter.

School-To-Career Transition

Youth Apprenticeship Program

Youth apprenticeship is a one or two-year elective program that combines academic and technical classroom instruction with mentored on-the-job learning for high school students. Students interested in the Youth Apprenticeship Program should contact the School to Work Coordinator for details at 691-2100 ext. 6163.

Job Shadowing Opportunity

Students at Pewaukee High School will have the opportunity to explore career interest areas by applying for a job shadowing experience. Any interested student should contact the School to Work Co-ordinator and request a job shadowing experience in an area of interest to the student. We will attempt to find a placement for each student as soon as possible. Priority will be given to junior and senior students.

Transcripted Credit

Students may enroll in courses taught at Pewaukee High School that are the same as courses taught at Waukesha County Technical College. Students may receive both high school and WCTC credit if they earn a grade of C or better on the WCTC grading scale. Transcripted credit allows students to take upper level courses in that program's course sequence.

The current transcripted credit courses offered through Pewaukee High School include:

- Introduction to Health Occupations
- Software Savvy
- Advanced CAD
- Marketing
- Graphic Arts II Improvement
- Entrepreneurship
- Medical Terminology
- Construction/Home

Advanced Placement (AP) Courses

WHAT IS ADVANCED PLACEMENT?

The Advanced Placement Program (AP) is a cooperative educational endeavor between high schools, colleges or universities. It allows students to enroll in college-level courses while in high school, and gives them the opportunity to show mastery by taking an AP exam.

AP EXAM

AP exams are given during the month of May. Every student takes the same exam at the same time. Each exam consists of two sections. The first section is made up of multiple-choice questions. The other section consists of free-response questions in various formats: essays, audiotaped responses, analysis of historical documents, extended problem solving, etc.

AP GRADES

The AP grading scale is as follows:

- 5 Extremely well qualified
- 4 Well qualified
- 3 Qualified
- 2 Possibly qualified
- 1 No recommendation

Students will receive their grade report in July. Most colleges and universities accept AP scores of 3 or above.

BENEFITS OF AP

Students will receive credit, advanced placement or both at most colleges and universities. The amount of credit received varies on the college, AP score, and the subject. Some colleges grant up to six college credits for a score of 5. Students are also able to move into a higher level class at college as a freshman. This not only translates into time saved, but also a financial savings for each credit earned while in high school. It is possible for a student to take enough AP exams to enter college at a sophomore standing.

COST OF AP EXAMS

Students do have to pay for each exam taken. The cost is \$86 per exam. A \$13 deposit is required upon registering for an exam. This covers the cost of returning unused exams. Economics, government, and physics no longer offer two exams for the price of one. Each part of the 2-part exam is \$86.

AP EXAM TIMELINE

March 31 - registration for AP exams and deposit due
May - AP exams
July - results of exams

For further information, contact any teachers of the courses listed on this page, as well as Mrs. Sharon Clement, A.P. Coordinator, at 262-691-2100, ext. 6019.

ADVANCED PLACEMENT COURSES

Advanced Placement Studio Art 2-D/Drawing-Mrs. Bjork
Advanced Placement Studio Art 2-D /Design-Mrs. Bjork
Advanced Placement Studio Art 3-D/Design-Mrs. Bjork
Advanced Placement Biology-Mr. Cassini
Advanced Placement Chemistry-Mrs. Nies
Advanced Placement Environmental Science-Mr. Cassini
Advanced Placement Physics B-Mr. Stimpert
Advanced Placement Calculus BC-Mrs. Doornek
Advanced Placement Statistics-Mrs. Bartz
Advanced Placement Computer Science-**
Advanced Placement World History-Mr. Douglass
Advanced Placement U. S. History-Mr. Yuskis
Advanced Placement English Literature and Composition-Mrs. Woods
Advanced Placement English Language and Composition-**
Advanced Placement French Language-Mrs. Larson-Horne
Advanced Placement Spanish Language-Mrs. Gerdman
**online courses-Northwestern University's Center for Talent Development

The Youth Options program allows all public high school juniors and seniors who meet certain requirements to take post-secondary courses at a Wisconsin technical college or institution of higher education. An institution of higher education (IHE) includes 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 school board, 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.

FORMS YOU NEED

A program plan and report form (PI-8700A) used to notify the school board of a student's intent to participate in the program may be obtained from your school district, DPI, or DPI's web address <http://www.dpi.state.wi.us/dpi/dlsis/let/youthop1.html>. Application forms for admission to a postsecondary institution may be obtained from your school district or the postsecondary institution.

ELIGIBILITY

STUDENT/PARENT RESPONSIBILITIES

Since all public high schools participate in the Youth Options program, all juniors and seniors in Wisconsin public schools who meet the program requirements are eligible. To qualify for the program, a student must:

- Have completed the 10th grade, be in good academic standing and have an acceptable disciplinary record.
- Apply to the postsecondary institution in the school semester prior to the one in which the student plans to attend the postsecondary course.
- Notify the school board (complete form PI-8700A) of the student's intention of enrolling in a postsecondary institution no later than March 1, 2008 for a course to be taken in the fall semester; October 1, 2008 for a course to be taken in the spring semester.
- Notify the school board if the student is registered to attend a postsecondary course.

A parent or guardian is responsible for satisfactory student attendance and the student's compliance with the compulsory school attendance law under §118.15(1)(a), Stats.

CHILDREN WITH DISABILITY

Students with a disability are encouraged to participate in the Youth Options program. The school board may, however, refuse to permit a student with a disability to attend a technical college if the cost would impose an undue financial burden on the school district.

PAYMENT OF TUITION AND FEES

The school board must pay for:

- Any course taken for both high school and college credit that is not comparable to a course offered in the school district
- For private, tribal and the UW-System courses: the cost of books, fees and materials required for the courses that will not become the property of the student
- For technical college courses: the cost of books and fees required for the courses

The student must pay for:

- Postsecondary courses taken at the university or private colleges that are not for both high school and college credit
- Postsecondary courses taken at any post-secondary institution that are comparable to a course offered at the school district
- Reimbursement for a course that is dropped or failed
- Transportation costs
- Incidental college fees (i.e. parking permits), the cost of consumables (workbooks, notebooks, uniforms), equipment and supplies

Preparing for College

Although other factors (personal essay, recommendations, extracurricular activities, leadership experience, community service, etc.) can influence a student's admission into a college or university, there are **three primary factors** that admissions boards will look for in an application. These include:

1. The student's class rank (which is determined by his/her cumulative grade point average)
2. The number and rigor of core college prep courses taken in high school
3. The student's standardized test scores (ACT or SAT)

For the Fall, 2009 admission, all University of Wisconsin System institutions require a minimum of 17 high school credits distributed as follows:

I. Core College Preparatory Credits.....13 credits

"College prep" courses are particularly appropriate for providing students with the academic background they need to succeed in a degree program at a college or university.

College preparatory programs should help students develop competence in four primary areas - English, mathematics, social studies and natural science.

College preparatory courses are characterized by the academic challenge they present, requiring time and intellectual effort extending beyond the classroom.

English (including 3 credits of literature and composition).....	4 credits
Mathematics (at least 1 credit each of algebra, geometry & advanced math).....	3 credits
Social Science/History	3 credits
Natural Science.....	3 credits

II. Elective Credits **4 credits**

Chosen from the above core college preparatory areas, foreign language, fine arts, computer science and other academic areas*. Some UW System institutions may also accept vocational courses for a portion of these 4 elective credits.

TOTAL..... 17 credits

* A minimum of 2 credits in a single foreign language is required for admission to UW-Eau Claire, UW-Madison, and the University of Minnesota-Twin Cities.

College admission requirements remain rigorous. Additionally, meeting the minimum course work requirements is not, at many campuses, a guarantee of admission. High school students should keep in mind that ***the degree to which their record exceeds the minimum standards may make the difference between acceptance and non-acceptance at a specific university.***

UW-Madison, in particular, chooses students who display both breadth and depth of academic preparation. The chart below shows the contrast between the minimum academic background required and the academic preparation of the typical freshman at UW-Madison.

<u>Minimum Requirements</u>	<u>Typical High School Preparation of a freshman</u>
English..... 4 units	English..... 4+ units
Algebra1 unit	Algebra..... 1 unit
Plane Geometry..... 1 unit	Plane Geometry.....1 unit
3rd year Math.....1 unit	Advanced Math.....2+ units
Social Studies 3 units	Social Studies..... 4 +units
Science 3 units	Science..... 4 units
Single Foreign Lang. 2 units	Single Foreign Lang..... 4 units
Add'l Acad/Fine Arts..... 2 units	Add'l Acad/Fine Arts..... 2+ units
Total 17 units	Total 22+ units

The message is that students with the strongest qualifications, including number of courses taken, rigor of academic program (honors and Advanced Placement courses) and test scores will have the greatest chances of admission.

The average ACT score was a 28 and the average SAT score was 1897, both much higher than the national average of 21.1 and 1511 respectively. The mean academic GPA was 3.69. These scores are reflective of the freshman class of 2008. In addition, 68% of entering freshman submitted AP scores for credit.

Preparing for Technical Education

Preparing for your future is serious business which deserves the best you can give it. Whether you plan to seek a job right after high school or go on for further vocational and technical education training, doing well in high school will increase your chances for success.

Vocational and technical education programs offered through the state's outstanding Wisconsin Technical College System (WTCS) provide a broad range of opportunities for future employment and advancement in your selected occupation. You can get a head start in high school on your future career by taking not only the required classes for graduation, but also vocational education courses that meet your specific career goals.

By getting the most out of your high school years, you will be well prepared in what employers consider essential for successful employment: reading, writing, speaking, and listening; problem solving skills; mathematics; science; social studies including economics; and computer literacy. You should also develop good study habits, positive work attitudes, employment skills, and an ability to get along with people.

What Should You Take in High School?

Whether you choose to attend a state Wisconsin Technical College System (WCTC) school or seek employment immediately upon graduation, you will have greater flexibility in both selecting and pursuing a career after you have completed the standard PHS graduation requirements.

<u>Subject</u>	<u>Years Required</u>
English.....	4
Math	3
Science.....	3
Social Studies.....	3
Vocational Education.....	3-4

Course Descriptions

Art

Art Fundamentals 1 credit 1 year (#7100)

Prerequisite - none

This course teaches basic terminology, skills and the aesthetic approaches used in all subsequent art classes. It is a foundation class which emphasizes intuitive and creative thinking. This course will offer two-dimensional and three-dimensional activities. Units include a variety of media: drawing, painting, design, lettering, printmaking, ceramics and sculpture. The concepts studied emphasize the elements and principles of design. This class relates activities to various periods in the history of art to promote an understanding and appreciation of the subject. This course is the prerequisite for all other Studio Art courses.

Art History .5 credit 1 semester (#7110)

Prerequisite-None

Grades 10, 11, 12 recommended

This course is designed for the student who is interested in art appreciation and art awareness. Art outside the classroom will be stressed by way of field trips, enrichment films and other research activities. Emphasis is on analysis of art work, not on art production. By studying a wide range of artists and art movements, students will learn to relate art elements and principles of design to their visual environment. Upon successful completion of the course, students will have the opportunity to take the Advanced Placement Art History test at their own expense.

Drawing I .5 credit 1 semester (#7111)

Prerequisite - Art Fundamentals

This course is designed for the student who plans to focus on two-dimensional design. Units will reinforce concepts emphasized in Art Fundamentals with advanced knowledge of the elements and principles of design required. Lessons will focus on 2-D media (mainly drawing) and composition. Class members will explore conceptual and aesthetic concerns of the artist. Students will be responsible for discussion, critique, written analysis and display of their art work. This course is the prerequisite for Drawing II.

Painting I .5 credit 1 semester (#7117)

Prerequisite - Art Fundamentals

This is an intermediate class designed to enhance the skills of painting and design. Projects will build on concepts introduced in Art Fundamentals with advanced knowledge of the elements and principles of design required. Students will also participate in ongoing discussion, display, critique, and written analysis of their own work as well as the work of their classmates. This course is the prerequisite for Painting II.

Ceramics/Sculpture .5 credit 1 semester (#7112)

Prerequisite - Art Fundamentals

This course is designed for the student who wants to focus on three-dimensional design. Emphasis will be on producing sculptural and craft design processes. Units will reinforce concepts emphasized in Art Fundamentals. Lessons will focus on form through a variety of media including paper, papier-mâché, wood, metal, fibers, plaster and clay. Students are expected to exhibit an advanced knowledge of art elements and principles. All students will be involved in an ongoing discussion, display, critique, and written analysis of their work.

Art Metals .5 credit 1 semester (#7113)

Prerequisite - Art Fundamentals

This course is designed for the student who wants to focus on three-dimensional design. Emphasis will be on producing crafted metal pieces which utilize design processes. Lessons will focus on various metals (copper, nickel, silver, brass and nuGold) and application processes. Students will be expected to exhibit advanced knowledge of the elements and principles of design as they relate to art metal production. All students will be involved in the ongoing display and critique of their work.

Design .5 credit 1 semester (#7114)

Prerequisite - Art Fundamentals (Drawing and Painting strongly recommended)

This course is an introduction to the practical and commercial applications of art. Projects will require advanced knowledge of the elements and principles of design. Traditional design techniques will be taught. Students will learn the role of graphic designer through projects such as logo design, illustration, advertising, and book design. Portfolio development, advertising psychology and critique methods will be taught, with emphasis on verbal and written analysis of design works. This course is strongly recommended for those interested in taking the Digital Photography class.

Digital Photography .5 credit 1 semester (#7126)

Prerequisite - Art Fundamentals is required; Design is strongly encouraged

This advanced level art course is an introduction to the use of photographic and digital media as a means for two-dimensional design. Advanced knowledge of the elements and principles of design is required. Adobe Photoshop techniques will be taught to help students further their design skills. Emphasis will be on producing imagery that is based on the student's own traditional and digital photographs, drawings, paintings, collages and altered printing processes. Students will learn digital photography, lighting, fine art and digital printing, and altered photo techniques (including cyanotype printing, and image transfer). Portfolio development, client relationships, career options and critique methods will be taught.

Animation .5 credit 1 semester (#7132)

Prerequisite - Art Fundamentals is required and Drawing and/or Sculpture are strongly recommended

This advanced level art course is an introduction to the use of time based media techniques as a means for developing design in the fourth dimension (time). Advanced knowledge of the elements and principles of design is required. Boinx Istop Motion, Apple IMovie and Adobe Flash will be taught. Emphasis will be placed on producing animated imagery that is based on the students own hand-drawn and sculpted characters while utilizing rotoscope, video and stop-motion techniques. Students will work collaboratively and individually to create storyboards and written story lines for this narrative art form. Students will learn about the history of animation as an art form and explore early traditional techniques. Client relationships, career applications and critique methods will be taught along with portfolio development.

Drawing II/Painting II .5 credit 1 semester (#7133)

Prerequisite - Art Fundamentals, Drawing I if students take the course for Drawing II credit and Painting I if students take the course for Painting II credit

Students will explore advanced concepts in drawn and painted media. Advanced knowledge of the elements and principles of art will be applied to assignments that build on skills developed in Drawing I and Painting I including figure studies, still life and other observational approaches to art. Development of unique concepts, innovative compositions and quality mastery of media will be emphasized. Students will work from the same assignments but will choose to fo focus on either drawn media or painted media for the semester. Students can take this course twice, once as Painting II and once as Drawing II.

Advanced Studio/AP Studio Art Drawing, 2-D Design and 3-D Design 1 credit 1 year (#7118)

Prerequisite - Art Fundamentals, Art History and two advanced classes from the Art Curriculum. Drawing and Painting are strongly recommended. Drawing/Painting II is encouraged for those who wish to pursue the drawing portfolio.

Grade 11 (with teacher approval), 12

This course is for advanced, highly motivated art students who plan to continue their art education after graduation. The course will address the quality of a student's work, the student's concentration on a particular visual interest or problem and the student's need for breadth of experience in the technical and expressive means. Students will also have the opportunity to assemble a portfolio to be submitted at their own expense to the Advanced Placement College Board for evaluation. The portfolio submitted will focus on one of the three course areas: Drawing, 2D Design or 3D Design. The class is demanding in terms of time commitment, work ethic and focus. Because of this, students should strongly consider having this be the only studio art course they take. Students will also engage in advanced level written and verbal analysis of art and aesthetics.

Business Education

Introduction to Business 1 credit 1 year (#5270)

Prerequisite - None

Grades 9, 10, 11, 12

Introduction to Business is a must for all students, in that it will lay the foundation for financial, professional, and economic success for the world in which high school students are soon to enter. The course is built to equip students with a variety of useful and essential business and life skills. After completing this informative year long course, students will have the ability to discuss basic economic principles, design resumes and other job search materials, complete tax forms, use credit wisely, manage their money wisely using the 70-20-10 plan, and have the basic business knowledge to succeed in either an employment or university setting. Knowledge obtained from this class can, and will, be used in life outside of high school.

Law & You .5 credit 1 semester (#5501)

Prerequisite - None

Grades 11, 12

This offering is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers and working associates. Content includes the origin of law, the court systems, family and juvenile law, criminal and civil law, rights and duties, basic elements of contracts, consumer protection and insurance, bailments, negotiable instruments, employer-employee relations, and legal affairs affecting property such as ownership, transfer, landlords and tenants, wills and estates, and community property. The law is interpreted through case studies.

Business Communications .5 credit 1 semester (#5700)

Prerequisite - Recommended - Word Processing I

Grades 10, 11, 12

The emphasis in this course will be on the composition of business letters, memorandums, reports, and other business correspondence. Telecommunications will be discussed and utilized. Written communication skills will be integrated throughout the course. Students will also use oral and nonverbal communication techniques. The overall course objective is to improve communication skills for use in the business world.

Keyboarding .5 credit 1 semester (#5009)

Prerequisite - None Recommended for students who are not proficient in keyboarding (ability to type 25 words per minute using correct fingering and not looking at keyboard) or for transfer students who have not had a keyboarding class.

Grades 9, 10, 11, 12

During the first 4-5 weeks of this semester class, students review/learn the basics and the touch method of keyboarding. The emphasis of the class is then placed on the formatting of documents such as reports, letters and tables. Skills learned in this class will be beneficial to the student for personal and academic use.

Document Processing .5 credit 1 semester (#5010)

Prerequisite - None

Grades 9, 10, 11, 12

Students will quickly review proper touch keyboarding techniques to improve keyboarding speed and accuracy. Proper formatting procedures for keying personal correspondence, reports, and outlines will also be presented. Students will work with their files in the Windows environment and use the features available in Microsoft Word. Skills obtained will be beneficial to the student for academic and personal use.

Software Savvy .5 credit 1 semester (#5012)

Prerequisite - None

Grades 9, 10, 11, 12

Students will be introduced to the concepts of word processing, spreadsheets, databases, and presentation software. They will be working in the windows environment with Microsoft Office 2007 [Word (word processing), Excel (spreadsheets), Access (databases), and Power Point]. Students will learn to integrate these programs. Keyboarding or Document Processing is strongly recommended. **This course may be taken for WCTC transcribed credit.**

Advanced Computer Applications .5 credits 1 semester (#5013)

Prerequisite - Software Savvy or test out of Software Savvy

Grades 9, 10, 11, 12

After reviewing the concepts taught in Software Savvy, students will learn the advanced concepts of word processing, spreadsheets, databases, and presentations using Office 2007 software (Microsoft Word, Excel, Access and Power Point). Students will also learn how to integrate these programs and how to use various forms of electronic communication. By the end of the semester students will have the opportunity to develop a professional portfolio of their work.

Professional Design and Publishing .5 credit 1 semester (#5120)

Prerequisite - Keyboarding/Document Processing is strongly recommended.

Grades 10, 11, 12

Students will use Adobe PageMaker and InDesign software to develop project-based assignments. Appropriate layout and design techniques will be used to create brochures, flyers, advertising copy, bulletins, business forms, letterhead and envelopes, calendars, business and greeting cards, newsletters, and a media guide.

Beginning Accounting 1 credit 1 year (#5400)

Prerequisite - None

Grades 10, 11, 12

Accounting is the key to opening the door to the business world and that is why accounting is often called the "language of business." In addition, accounting is essential in many government occupations as well as being useful in comprehending one's personal finances. Understanding how accounting data are accumulated through the double-entry procedure, and how to use such data are important outcomes of the course. Extensive use of computers will be integrated in application problems. In preparing for college, this course is a **MUST** for students planning a business major.

Advanced Accounting 1 credit 1 year (#5440)

Prerequisite - Beginning Accounting

Grades 11, 12

The second year of accounting is designed for the student who discovered an interest in accounting from Beginning Accounting. The course expands accounting concepts, principles, and practices. Students will become familiar with the use of business reports in keeping financial records and will develop skills in analyzing and interpreting information common to partnerships and corporations.

International Business .5 credit 1 semester (#5710)

Prerequisite - None

Grades 11, 12

Students will investigate global trade and business customs in a variety of countries, while integrating government and economic influences on international business practices. Students will determine the factors that affect international monetary policy and plan a business travel itinerary. Students will explore corporations involved in international settings and will also participate in group projects and field trips. Students will interact with resource persons who have had international experiences both personally and as part of the business community as they prepare a portfolio on the country of their choice.

Business Management 1 credit 1 year (#5720)

Prerequisite - None

Grades 11, 12

In this course, students will learn about the internal structure of organizations and the ethics and functions of management. Various management styles will be discussed, and students will learn and apply Total Quality Management concepts and techniques. Students will learn problem solving, time management, and human relation skills that will enable them to be effective managers.

Marketing 1 credit 1 year (#5725)

Prerequisite - None

Grades 10, 11, 12

This course is essential for any student planning on studying business at the college level. In this creative, high-energy course students will cover the marketing system that rules our world economy. Units of instruction include: advertising and related promotional strategies, media awareness, branding, buying, planning and packaging products, consumer behavior, and marketing ethics. Upon completion of this course, students will have designed a professional business plan. An extremely detailed business Power Point presentation that is intended to interest investors in their entrepreneurial initiative will be produced and delivered. **This course may be taken for WCTC transcribed credit.**

Entrepreneurship .5 credit 1 semester (#5730)

Prerequisite - Marketing

Grades 11, 12

Planning the Entrepreneurial Venture is a blended-learning course designed to teach students how to research, develop, and write detailed start-up Business Plans, which can be used to create successful businesses. The blended-learning environment provides a dynamic, interactive experience that combines the flexibility of the Internet-based-e-learning with the benefits of face-to-face instruction. The course centers on the business planning process-opportunity recognition, business concept development, feasibility testing, and the Business Plan. Planning the Entrepreneurial Venture demonstrates why good planning leads to successful business performance. Students gain insight in how the various pieces of the business's puzzle fit together and why the different aspects need to be managed in harmony for the venture to operate successfully. **This course may be taken for WCTC transcribed credit.**

Sports and Entertainment Marketing .5 credit 1 semester (#5735)

Prerequisite - Marketing

Grades 11, 12

Sports and Entertainment Marketing offers students the opportunity to apply their knowledge of marketing principles and concepts to a multi-billion dollar industry. This course is intended for individuals who seek to dissect the world of million dollar athletes, Hollywood stars, and public finance projects. Course content will include: agents, contracts, sponsorships, advertising, publicity, promotion and survey creation. Students will apply the seven functions of marketing to review current marketing techniques of the sport and entertainment business. Students will have the opportunity to create their own marketing strategy for a business of their choice.

Web Page Design and Development .5 credit 1 semester (#5740)

Prerequisite - None

Grades 10, 11, 12

Master the latest in web design and management technology used by professionals to create and manage impressive and effective web sites. Learn to design and develop "like professionals" by applying these technology skills in partnership with efficient information organization and web enhancement components that generate impact. The course begins with a brief overview of web creation using Hypertext Markup Language (HTML), and then moves into creating, developing, and managing a website using the dominant HTML editor on the market-Macromedia's Dreamweaver MX. The course concludes with Marcomedia's Flash MX Software. Students will learn to produce engaging graphics, buttons, animations, and page components to incorporate into their web page design.

English

English 9 1 credit 1 year (#1120)

Prerequisite - None

Grade 9

English 9 is a one-year required survey class for freshmen who do not enroll in English 9-Honors. Students will further develop reading, writing, speaking, and listening skills as they participate in a variety of integrated language arts activities. Students will gain exposure to a wide range of literature as they read a variety of short stories, novels, drama, and poetry. Students will be guided through several literature selections as an entire class with a focus on expanding each student's abilities to explore texts from alternative perspectives. Students will then self-select several literary selections and independently apply analytical skills in small group, literature circle discussions. Students will also participate in a variety of writing opportunities with a focus on addressing individual needs and the development of confidence in writing independently. Emphasis will be placed on the Balanced Comparison essay structure.

English 9 - Honors 1 credit 1 year (#1121)

Prerequisite - It is strongly recommended that the following criteria be met by those students considering enrolling in English 9 - Honors:

- First and second quarter grades of **A or B+** in 8th grade English
- 4.5 or above on a mid-year on-demand writing (6 point scale)
- Recommendation of 8th grade English teacher

*The following criteria **MAY** be considered when available:*

- Proficient or advanced in both reading and language on the 8th grade WKCE
- **7.0** or higher on WKCE writing assessment (9 pt. scale)

English 9 Honors is a one-year accelerated course for the advanced language arts student. This course focuses on the application of higher-level reading, writing, speaking, and listening skills in the analysis of more sophisticated literary selections. Emphasis is placed on recognizing and supporting alternative reader perspectives and the expression of those interpretations in writing. Students will participate in a variety of writing experiences ranging from creative writing to the research paper. Emphasis will be placed on the balanced comparison essay. Students must be self-motivated, desire to pursue additional reading beyond the classroom, and willing to participate in small and large group class discussion.

English 10 1 credit 1 year (#1220)

Prerequisite: None

English 10 is a one-year required survey course for sophomores who do not enroll in English 10 Honors. Students will further develop reading, writing, speaking, and listening skills in a variety of integrated language arts activities. They will further develop analytic skills as they participate in reading more complex literature by a variety of authors. Students will also have opportunities to self-select literature and independently apply reading and literary analysis strategies. A variety of writing opportunities will be provided with an emphasis on the Developmental Argument essay. Students will be exposed to the Modern Language Association guidelines for incorporating research into their writing. Speaking and listening skills are also stressed as students engage in both formal and informal speaking activities.

English 10 - Honors 1 credit 1 year (#1221)

Prerequisite: Successful completion of English 9 or English 9 - Honors

It is strongly recommended that the following criteria be met by those students considering enrollment in English 10 - Honors:

- First and second quarter grades of **B+ or higher** in English 9 or a **C+ or higher** in English 9-Honors
- Recommendation by either the English 9 teacher or English 9-Honors teacher

*The following criteria **MAY** be considered when available:*

- Proficient or Advanced on the 9th grade district writing assessment

English 10 Honors is an intensive, year-long elective course designed for the advanced English language arts student who enjoys engaging in reading, writing, and discussing challenging literature. This course will challenge students to provide insightful analysis of a text both formally and informally. Reading expectations are demanding both in terms of quantity and complexity of the assigned literature. Students are also provided with opportunities to self-select literature and to demonstrate the independent application of analytical and evaluative skills. Writing assignments are varied with an emphasis upon the effective use of the Developmental Argument structure. Because of the accelerated pace of this course, students must be self-motivated, willing to pursue additional reading beyond the classroom, and prepared to share their thoughts with others.

American Literature 1 credit 1 year (#1320)

Prerequisite: None

American Literature is a one-year required course for juniors who do not enroll in Honors Literature and Composition. Course content is designed to engage students in higher-level thinking and communication skills through the exploration of social change and its reflection in American literature. Students analyze novels, short stories, and other written works by American authors through guided interpretation. Students also examine non-fiction pieces of literature that focus on individual decision-making. Writing experiences include creative writing and expository writing based on literature selections. Students learn to write effectively using the “80/20” essay format and produce a persuasive research paper. Communication skills are developed through both formal and informal speaking opportunities.

Honors Literature and Composition 1 credit 1 year (#1326)

Prerequisite: Successful completion of English 10 or English 10 - Honors

Honors Literature and Composition is a one-year junior level course designed for the advanced English student. This course may be taken in lieu of American Literature. This intensive course focuses on complex literary analysis and the development of advanced writing abilities. Students analyze a variety of literature including novels, short stories, and non-fictional works through guided and independent interpretation. Writing experiences focus on the development of sophisticated literary analysis skills as preparation for the Advanced Placement course. Students write a research paper effectively using the 80/20 format that requires a combination of research, literary analysis, and advanced writing skills. This accelerated course requires extensive reading within and outside the classroom, as well as a willingness to actively participate in small and large group discussions.

Note: This course is strongly recommended for students who intend to enroll in Advanced Placement English courses.

British and World Literature 1 credit 1 year (#1420)

Prerequisite - None

British and World Literature is a one-year required course for seniors who do not enroll in an Advanced Placement English course. This course focuses upon the independent application of reading, writing, speaking, and listening skills with an emphasis upon independent literary analysis. Students read fictional and non-fictional literary works from around the world with an emphasis on British literature. A variety of writing experiences are provided with an emphasis on research and career study. Students prepare and deliver a variety of formal speeches and participate in daily informal discussions.

Advanced Placement English Literature & Composition 1 credit 1 year (#1341)

Prerequisite: Successful completion of American Literature or Honors Literature and Composition

Grade 12

Advanced Placement English Literature is a year-long course designed to prepare the academically advanced student to successfully participate in the Advanced Placement exam and to succeed in college level literature courses. The course includes, but is not limited to, the extensive study of major genres, literary history, and literary criticism.

Extensive reading and analysis of literary works is required both formally and informally. Development of individual writing styles that reflect sophisticated insight and analysis is also emphasized through a variety of writing assignments. Students who enroll in AP English Literature are encouraged to participate in the AP exam. (Exam fees are paid at student expense).

Advanced Placement English-Literature may be taken in place of British and World Literature. **Honors Literature and Composition is strongly recommended as preparation.**

****AP English Language & Composition 1 credit 1 year (#1345)**

Prerequisite: 1. Successful completion of American Literature or Honors American Literature
2. Reading score of 24+ on the ACT or 510+ on the verbal portion of the SAT or submission of an admissions portfolio (see your counselor or the Talented and Gifted coordinator for details)

Grade 12

Students learn to analyze some of the finest poetry, plays, novels, short stories, and essays written across cultures and historical periods, with an emphasis on literature originally written in English. Students learn to interpret meaning in literature by being attentive to language usage, image, character, action, argument, and the various literary techniques and strategies authors use to evoke emotional response from readers.

**This course is offered online or via traditional correspondence through the Center For Talent Development in conjunction with Northwestern University. This course offers academically talented students the opportunity to move quickly to advanced levels of coursework. Additional information relative to this course can be found online at:

<http://www.ctd.northwestern.edu/index.html>

Humanities . 5 credit 1 semester (#1424)

Grades: 11, 12 (elective)

Humanities is a semester-long elective course designed to build a student's cultural literacy. Students explore mythologies from a variety of cultures and examine the traditions, values, and beliefs of cultures based upon those mythologies. The influence and impact of mythology on today's world will also be studied. In addition, students will be introduced to philosophers and philosophical thought. Cinematography and film as literature will be examined, culminating in the production of short student films.

20th Century Literature: Literature through the Decades .5 credit 1 semester (#1422)

Prerequisite: English 10 or Honors English 10

Grades: 11, 12

20th Century Literature is a semester-long elective course designed for students who enjoy reading and who desire to expand their literary, cultural, and historical knowledge. Literature selections from several decades are discussed and analyzed within the social and historical context of the times. Film will be analyzed as a method of further investigating social and historical contexts. Students will engage in extensive required reading from a variety of periods. Writing experiences and discussions will focus on developing an understanding of the human condition. Students will examine varying writing forms and writing styles. They will acquire a greater understanding of the relationship between literature and the historical context within which authors wrote.

Speech .5 credit 1 semester (#1426)

Grades: 11, 12

Speech is a semester-long, elective course designed to equip upperclassmen with strategies to overcome speaker discomfort with creative organizational structures to capture an audience, and with skillful delivery techniques to prepare for a variety of professional presentations. Some speeches will be prepared well ahead of time, and some will be prepared on short notice. All students will be required to write reflections of their own work and/or critiques of their classmates' work. Most importantly, all speeches are a course requirement. By the end of the semester, speech students will be better able to critically assess, evaluate, adapt and make decisions as competent oral communicators.

**** Dramatic Literature & Playwriting Honors 1 credit 1 year (# 1346)**

Prerequisite: SAT Verbal or SAT Critical Reading > 510 or ACT Reading >22 or submission of an admissions portfolio (see your counselor or the Talented and Gifted coordinator for details)

Grades 11, 12 or with counselor consent

This course delves into the creative process and craft behind writing dramatic text. Students study such playwrights as George Bernard Shaw, Arthur Laurents, Edward Albee and Thornton Wilder. Monthly assignments will culminate in the writing of a 15-page one-act play. This course offers in-depth exposure to an art form that is not often explored.

Family & Consumer Education

Fashion Analysis and Interior Design .5 credit 1 semester (#6710)

Prerequisite - None

Grades 9, 10, 11, 12

In this course, students will study the elements and principles of design and apply them to both clothing choices and interior design. The topics covered will enable students to make informed consumer decisions about their own personal wardrobes and personal living spaces as well as increase their understanding of careers related to the fashion field.

Fashion Construction .5 credit 1 semester (#6720)

Prerequisite - None

Grades 9, 10, 11, 12

Machine sewing will be the focus of this course as students complete a variety of individually selected projects. The projects, which vary in difficulty depending on experience and skill level, require students to apply the knowledge they gain about textiles to complete a finished product. **Students will be required to purchase their own materials and supplies for each project.**

Foods .5 credit 1 semester (#6605)

Prerequisite - None

Grades 9, 10, 11, 12

In this introductory course, students will learn the basics of planning, selecting, preparing, and presenting food. Nutrition, safety, teamwork and time management are emphasized along with science, technical reading and math skills. Once a week cooking labs will allow students to apply and demonstrate the knowledge and skills they have learned in class. **A semester fee of \$25.00 will be assessed to offset the cost of food supplies for the course.**

Foods .5 credit 1 semester (#6605)

Prerequisite - None

Grades 9, 10, 11, 12

In this introductory course, students will learn the basics of planning, selecting, preparing, and presenting food. Nutrition, safety, teamwork and time management are emphasized along with science, technical reading and math skills. Once a week cooking labs will allow students to apply and demonstrate the knowledge and skills they have learned in class. **A semester fee of \$25.00 will be assessed to offset the cost of food supplies for the course.**

Foods, Families and Society (Foods II) .5 credit 1 semester (#6615)

Prerequisite – Successful completion of Foods course

Grades 9, 10, 11, 12

In this course, students will further develop their knowledge of food preparation and consumerism. Cooking skills will be the emphasis as students plan and prepare meals. Students will explore the impact of culture on food choices by preparing foods from different regions of the U.S. and other countries. Food related careers will also be investigated. **A semester fee of \$25.00 will be assessed to offset food costs for the course.**

Parenting .5 credit 1 semester (# 6800)

Prerequisite - None

Grades 11, 12

This course explores the decision to parent and the responsibilities that go along with it. Topics covered in this course include skills for parenting, costs of parenthood, effective communication with children, developing family strengths, effective discipline, and decisions parents make. Class projects include a baby simulation, a family budget simulation and group work with elementary children.

Child Development .5 credit 1 semester (# 6801)

Prerequisite: Parenting or consent of instructor

Grade 11, 12

This course is designed for the student who is interested in learning about the development of young children. Skills learned in this class could be used personally or occupationally. Students will learn about the physical, emotional, social and intellectual development of children from toddlers to adolescents and apply that knowledge to real life situations. A large segment of the course centers around planning, organizing, and implementing a preschool experience for three and four year olds.

Introduction to Health Occupations .5 credit 1 semester (#6802)

Grade 10, 11, 12

Introduction to health occupations is a course for any sophomore, junior or senior who may be interested in pursuing a career in the health care field. This course will provide an opportunity for students to learn about many specific health care careers, including the educational requirements and current employment trends. Students will also learn about the health care system, legalities and ethics, medical terminology, and the needs of patients and their families. Students will participate in discussions with guest speakers who may include pharmacists, dentists, counselors, physicians, nurses, emergency medical technicians, physical therapists, optometrists, veterinarians and chiropractors. A job shadow experience will be an option for interested students. **Students have the option of earning transcribed credit at WCTC for successful completion of the Introduction to Health Occupations course.**

Personal and Financial Management .5 credit 1 semester (# 6803)

Grade 11, 12

This project based course is designed for juniors and seniors as they approach adulthood and independence. The course will focus on personal finance and consumer behavior as students learn to make wise decisions with their personal and economic resources to meet their needs, wants and goals. Topics include real life application of goal setting, career planning, wise use of credit, automobile purchasing (financing and insurance), choosing housing, buying food and clothing, risk management and working with financial tools. Guest speakers will supplement the course topics as students learn to make decisions that will affect their future.

Medical Terminology .5 credit 1 semester (#6610)

Prerequisite - Successful completion of Health Occupations or consent of instructor

Grades 11, 12

Open the door to a medical career! Knowledge of medical terminology is essential for every career within the medical field. In this one semester course students will learn to recognize word roots, prefixes, and suffixes used in medical language today and how to combine words to create meaningful medical expressions.

Students have the option of earning 3 transcribed credits at WCTC for successful completion of the Medical Terminology course. The earned credits transfer to many of the colleges in the UW system.

World Languages

French I 1 credit 1 year (#8100)

Prerequisite - None
Grades 9, 10, 11, 12

This is a year long course introducing beginning elements of the French language. During this course, students learn basic vocabulary, present tense verb conjugation, near future tense, simple commands and the compound past tense. These skills will enable them to converse in French. Students will experience French culture through various activities including exposure to French food, music and art. This course prepares students for the second level French language class.

French II 1 credit 1 year (#8110)

Prerequisite - The staff strongly recommends a grade of B- or better in French I
Grades 9, 10, 11, 12

In this year long course students will continue their study of the French language at a beginning level. During this course students will review and expand their knowledge of French vocabulary and grammar focusing on ten verb tenses. They will continue to experience French culture through various activities including exposure to French food, music and art. This course prepares students for the third level French language class.

French III 1 credit 1 year (#8120)

Prerequisite - The staff strongly recommends a grade of B- or better in French II
Grades 9, 10, 11, 12

In this year long course students will continue their study of the French language at an intermediate level. During this course they will review and expand their knowledge of French vocabulary and grammar and begin to explore French literature. There is a strong emphasis on speaking and writing. Students will continue to experience French culture through various activities including exposure to French food, music and art. They will work independently and in groups as they prepare for the fourth level French language class.

French IV 1 credit 1 year (#8130)

Prerequisite - The staff strongly recommends a grade of B- or better in French III
Grades 10, 11, 12

In this year long course students will continue their study of the French language at an intermediate level. During this course they will review and expand their knowledge of French vocabulary and grammar as well as continue their exploration of French literature and history. They will experience French culture through various activities including exposure to French food, music and art. Students will continue to improve their written and spoken communication skills as they prepare for the fifth level French language class.

Advanced Placement French 1 credit 1 year (#8152)

Prerequisite - 1.) Demonstrated ability in spoken and written French in previous French courses 2.) Student interest and motivation 3.) An interest in taking the AP French exam 4.) Staff strongly recommends a grade of B- or better in French IV

Grade 12

In this year long course, academically proficient students prepare themselves for successful college-level work and to take the Advanced Placement exam in French language. The course focuses on the mastery of listening, speaking, reading, and writing skills. Students will read unedited literary and journalistic prose, understand lectures and conversational language, and write essays in French.

Students who take AP French are encouraged to take the AP exam in French language administered in May and scored by the Educational Testing Service. The AP program is a cooperative endeavor that helps high school students complete college-level courses and permits colleges to evaluate, acknowledge, and encourage that accomplishment through the granting of appropriate credit and placement.

Spanish I 1 credit 1 year (#8170)

Prerequisite - An English grade of B- or better is strongly recommended

Grades 9, 10, 11, 12

This is a year long course introducing beginning elements of the Spanish language. During this course, students will focus on basic vocabulary and present tense verb conjugation, which will enable them to converse in Spanish. This course prepares students for the second level Spanish language class.

Spanish II 1 credit 1 year (#8270)

Prerequisite - The staff strongly recommends a grade of B- or better in Spanish I

Grades 9, 10, 11, 12

In this year long course students will continue their study of the Spanish language at a beginning level. During this course they will review and expand their knowledge of Spanish vocabulary and grammar focusing on the past and future tenses of verbs. This course prepares students for the third level Spanish language class.

Spanish III 1 credit 1 year (#8370)

Prerequisite - The staff strongly recommends a grade of B- or better in Spanish II

Grades 9, 10, 11, 12

In this year long course, students will continue their study of the Spanish language at an intermediate level. During this course they will review and expand their knowledge of Spanish vocabulary and grammar, and will begin to explore short passages of Spanish literature. Students will be asked to write brief essays and give speeches in Spanish. They will work independently and in groups as they prepare for the fourth level language class.

Spanish IV 1 credit 1 year (#8470)

Prerequisite - The staff strongly recommends a grade of B- or better in Spanish III

Grades 11, 12

In this year long course, students will continue their study of the Spanish language at an intermediate level. During this course they will review and expand their knowledge of Spanish vocabulary and grammar, as well as continue their exploration of Spanish literature and history. Students will continue to improve written and spoken communication skills as they prepare for the fifth level Spanish language class.

Advanced Placement Spanish 1 credit 1 year (#8573)

Prerequisite - 1.) demonstrated ability in spoken and written Spanish in previous Spanish courses 2.) student interest and motivation 3.) a keen desire to master the Spanish language 4.) The staff strongly recommends a grade of B- or better in Spanish IV 5.) an interest in taking the AP exam

Grade 12

In this year long course academically proficient students prepare themselves for successful college level work and to take the Advanced Placement exam in Spanish language. The course focuses on the mastery of listening, speaking, reading, and writing skills, not on the content of specific texts. Students will read unedited literary and journalistic prose, understand lectures and conversational language, participate in class discussions and conversations, and write essays in Spanish.

Students who take AP Spanish are encouraged to take the AP exam in Spanish language administered in May and scored by the Educational Testing Service. The AP program is a cooperative endeavor that helps high school students complete college-level courses and permits colleges to evaluate, acknowledge, and encourage accomplishment through the granting of appropriate credit and placement.

Health

Health .5 credit 1 semester (#9008)

Prerequisite: None

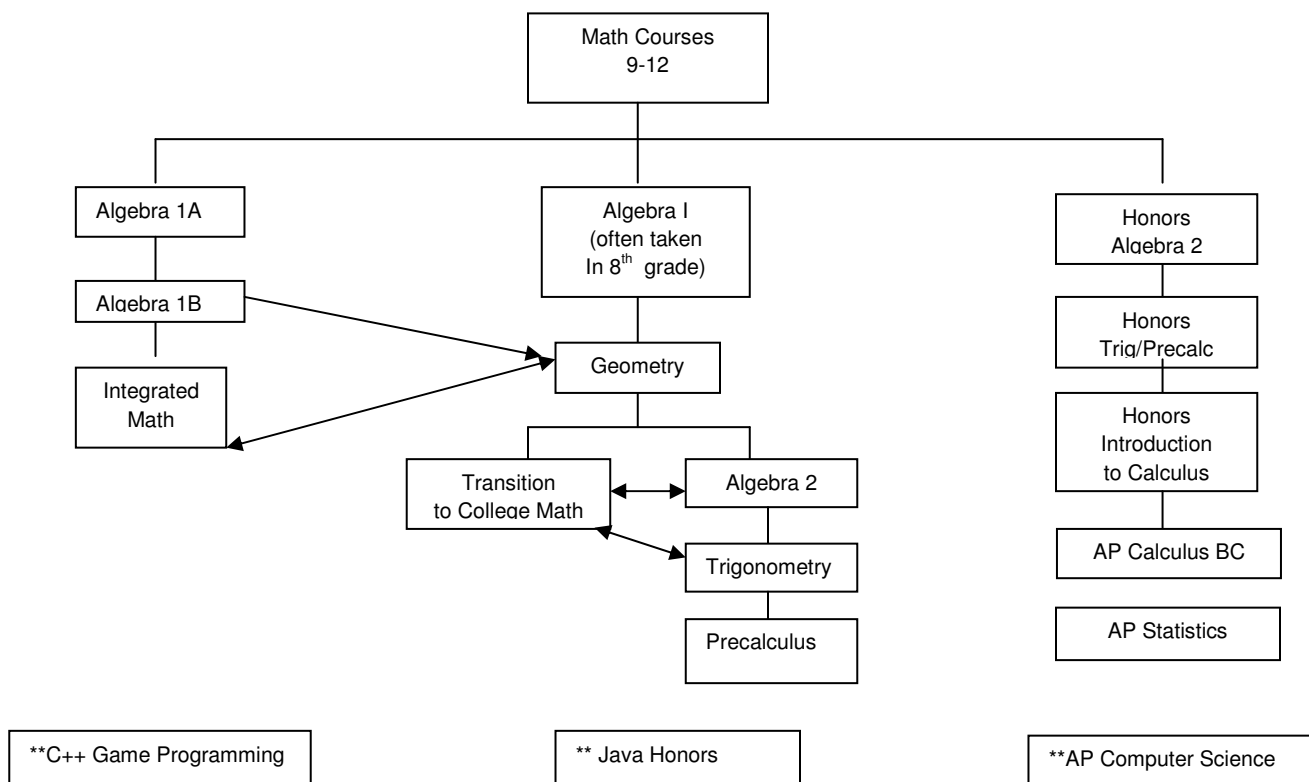
Grade 10

This semester course provides students with the opportunity to develop healthy life choices toward the goal of developing an overall state of well-being. Units focus on physical, mental, emotional, and social health. Emphasis is placed upon the development of health literacy, an individual's capacity to obtain, interpret and understand basic health information/services and to use that information to promote health and wellness in everyday life. Human growth and development concepts will also be addressed. Upon successful completion of course material, students will be certified in American Heart Association Heartsaver First Aid.

Note: Parents will be notified in advance of the human growth and development unit. A parent signature is required to remove the student from the human growth and development unit. Students who do not participate will complete independent lessons on health related topics to be determined by the instructor.

Mathematics

All students should check with their present math teacher for assistance in determining the appropriate level of math study for school year 2009-2010.



Algebra 1A 1 credit 1 year (#4100)

Prerequisite - None

Grades 9

This course is the equivalent of the first semester of Algebra 1. Students will work with number systems, variables, algebraic representations, and apply the skills and techniques of basic algebra to problem solving.

Algebra 1B 1 credit 1 year (# 4101)

Prerequisite -Algebra 1A

Grades 10

This course is the equivalent of the second semester of Algebra 1. Students will work with linear expressions, functions, systems of equations, and graphs. Emphasis will be placed on algebraic problem solving.

Integrated Math 1 credit 1 year (#4102)

Prerequisite - Algebra I or Algebra 1B
Grades 10,11, 12

This course follows the completion of Algebra 1 or the sequence of Algebra 1A and 1B. Topics will include an extension of algebra skills, introduction to concepts of geometry, probability, statistics, and real-world applications of mathematics.

Algebra 1 1 credit 1 year (#4120)

Prerequisite - none
Grades: 9, 10, 11, 12

Students who took Algebra in 8th grade may re-take it at the high school level for credit, but not after completion of Geometry. Students who have already earned high school credit for Algebra may re-take the class for no additional credit.

Geometry 1 credit 1 year (#4220)

Prerequisite - Algebra 1.
Grades 9, 10, 11, 12

Geometry is intended for and geared to students who have a C- or better average in high school Algebra 1 or a B- or better in middle school Algebra I.

This course develops a general understanding of deductive reasoning through proof writing and practical uses of geometry facts. Following the completion of geometry, the student should be prepared to study advanced algebra and to use geometry both in practical applications, as well as, working on problem solving using deductive reasoning.

Algebra 2 1 credit 1 year (#4300)

Prerequisite - Geometry
Grades 10, 11, 12

Algebra 2 is strongly recommended for students planning to attend a 4 year college or university. Since this is a college preparatory class, it is intended for and geared to students who earned a C- or better average in Algebra 1 **AND** Geometry. Students who earned less than a C- average in Geometry should enroll in Transition to College Math, Integrated Math, or audit Geometry for no credit. Graphing calculators and graph paper are **REQUIRED** for this course.

Honors Algebra 2 1 credit 1 year (#4301)

Prerequisite - recommended grade of B or better in Honors Algebra I and Honors Geometry
Grade 9, 10

This course covers the same topics as Algebra 2 but with more depth and rigor, as well as additional advanced work with functions. It is designed for students who desire a more enriched mathematical experience in preparation for eventual AP Calculus coursework.

Transition to College Math 1 credit 1 year (#4350)

Prerequisite - Geometry

Grades 10, 11, 12

This course is for students who have completed Geometry , Algebra 2, or Trigonometry but who need additional work on algebraic concepts in order to be successful in college mathematics courses. Some introductory trigonometry topics are covered. Graphing calculators are not required but are recommended for this course.

Trigonometry 1 credit 1 year (#4400)

Prerequisite - Algebra 2 - Trigonometry is intended for and geared to students who have a C- or better average in Algebra 2. The math department strongly recommends that students who pass Algebra 2 with less than a C- average enroll in Transition to College Math.

Grades 11, 12

This course integrates geometric and algebraic concepts with advanced work on circular functions. Graphing calculators are required for this course.

Honors Trigonometry/Precalculus 1 credit 1 year (#4401)

Prerequisite - Honors Algebra 2 (recommend grade of B or better)

Grade 10, 11

This course covers right triangle trigonometry and function trigonometry at a rigorous level. It also heavily emphasizes advanced work with functions in preparation for the study of calculus. Students who complete this course would take Advanced Placement Calculus the following year. Graphing calculators are required for this course.

Honors Introduction to Calculus 1 credit 1 year (#4800)

Prerequisite - Honors Trigonometry/Precalculus (recommended grade B or better)

Grade 11

Honors Introduction to Calculus begins as a continuation of the precalculus portion of Honors Trigonometry/Precalculus. Students will study advanced precalculus topics in preparation for the study of calculus. Preliminary study of calculus will begin about mid-yr. It is expected that most students who take Honors Introduction to Calculus will enroll in Advanced Placement Calculus BC the following year. Graphing calculators are required for this course.

Precalculus 1 credit 1 year (#4500)

Prerequisite - Trigonometry - Precalculus is intended for and geared to students who have a C- or better average in Trigonometry. The math department strongly recommends that students who pass Trigonometry with less than a C- average enroll in Transition to College Math.

Grades 11, 12

This course prepares students for success in calculus by giving advanced work with functions and trigonometry, as well as an introduction to calculus ideas. Discrete mathematics is helpful in computer science, as well as other mathematical applications. Mathematical thinking is a theme throughout the course. Graphing calculators are required for the course.

Advanced Placement Calculus BC 1 credit 1 year (#4802)

Prerequisite - Honors Introduction to Calculus

Grade 12

This is a college level course equivalent to two semesters of college calculus. It is meant for students who are considering college majors in mathematics, engineering, science, or business. At the end of the course, students may take the Advanced Placement Calculus Exam at their own expense for possible college credit. Graphing calculators are required for this course

Advanced Placement Statistics 1 credit 1 year (#4805)

Prerequisite - Trigonometry (recommended grade of B or better) or Honors Trigonometry/Precalculus (recommended grade of C or better)

Grades 11, 12

This is a college level course equivalent to a one-semester introductory college mathematical statistics course. The purpose of the course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. At the end of the course, students may take the Advanced Placement Statistics Exam at their own expense for possible college credit. Graphing calculators are required for this course.

****Java Honors .5 credit 1 semester (#4815)**

Prerequisite: 1. Successful completion of Trigonometry or Honors Trigonometry-Precalculus

2. Mathematics score of 20+ on the ACT or 540+ on the SAT or submission of an admissions portfolio (see your counselor or the Talented and Gifted Coordinator for details)

Grades 11, 12

Java Honors presents the basics of Java programming, including keywords, operators, control statements, loops, and data types. Assignments will include command-line programs, basic graphics, and simple games. Java Honors also focuses on the structure of programs and flow, encouraging students to consider the creation of computer instructions and the effects they have on a program. This course is designed for students with some previous computer experience and little or no experience with Java.

****C++ & Game Programming 1 credit 1 year (# 4816)**

Prerequisite: SAT Math > 540 or ACT Math > 20 (scores from tests taken in grades 6-9) or submission of an admissions portfolio (see your counselor or the Talented and Gifted Coordinator for details)

Grades 10, 11, 12

Learn C++, the language professionals use to create games. This course provides students with a solid foundation in the same programming language that the game makers use. Students demonstrate newly mastered skills by combining major concepts studied in order to produce a game suitable for multiple players. Get ready to master the basics of C++.

****AP Computer Science AB 1 credit 1 year (#4817)**

Prerequisite: 1. Algebra 1 & 2, Java Honors

2. SAT Math > 540 or ACT Math > 20 (scores from tests taken in grades 6-9) or submission of an admissions portfolio (see your counselor or the Talented and Gifted Coordinator for details)

Grade 12

This demanding course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. Also examined are the study of data structures, design and abstraction.

Notes: Access to a printer is absolutely necessary; MacIntosh or Window operating systems are recommended. Students need a Java compiler (a program that allows students to write and run Java programs-information on free compilers available online are included in the course syllabus); Students can choose to take the AP test for Computer Science A or AB, depending on how much course material they cover.

****These courses are offered online or via traditional correspondence through the Center For Talented Development in conjunction with Northwestern University. These courses offer academically talented students the opportunity to move quickly to advanced levels of coursework. Additional information relative to these courses can be found online at: <http://www.ctd.northwestern.edu/index.html>**

Music

Freshman Choir 1 credit 1 year (#7200)

Prerequisite - None

Grade 9

This choir is open to students in grade 9; no previous singing experience is necessary. Students will work toward improving individual and group musicianship through singing technique and music fundamentals. Freshman Choir will study music from all periods including Renaissance, Baroque, Classical, Romantic, Twentieth Century, and Contemporary. Students are expected to participate in public performances outside of the regular school day.

Mixed Choir 1 credit 1 year (#7251)

Prerequisite - None

Grades 10, 11, 12

This choir is open to students in grades 10, 11, 12; no previous singing experience is necessary. Students will work toward improving individual and group musicianship through singing technique and music fundamentals. Mixed Choir will study music from all periods including Renaissance, Baroque, Classical, Romantic, Twentieth Century, and Contemporary. Students are expected to participate in public performances outside of the regular school day.

Treble Choir 1 credit 1 year (#7252)

Prerequisite - Audition

Grades 10, 11, 12

Treble Choir is an auditioned women's ensemble open to students in grades 10-12. Students will continue to build vocal technique and musicianship through the study of complex and challenging choral literature from all eras, including Renaissance, Baroque, Classical, Romantic, Twentieth Century, and Contemporary. Students are expected to participate in public performances outside of the regular school day.

Varsity Choir 1 credit 1 year (#7274)

Prerequisite - Audition

Grades 10, 11, 12

Varsity Choir is an elite auditioned ensemble composed of singers from grades 10-12. This ensemble will concentrate on the study, preparation and performance of challenging high school and college level music from all periods. This group functions as one of the touring ensembles for Pewaukee High School. Students are expected to participate in public performances outside of the regular school day.

Jazz Choir 1 credit 1 year (#7276)

Prerequisite - Audition

Grades 10, 11, 12

Jazz Choir is a year-long elective course. It is an auditioned ensemble made up of singers in grades 10-12. This choir will perform jazz, musical theater, and contemporary music. The study of Vocal Jazz challenges singers to perform complex rhythms and harmonies and to develop improvisational skills. Students will also explore the historical and cultural significance of Jazz in the United States. This group serves as one of the touring ensembles for Pewaukee High School. Students are expected to participate in public performances during and outside the regular school day.

Music Theory 1 credit 1 year (#7160)

Prerequisite - Instructor Consent

Grades 10, 11, 12

Music Theory is the study of what music is, and how it is created. Topics include, notation, tonality, intervals, and chords. These and other topics are studied through projects; there is a special emphasis in composition. The music studied ranges from Bach to the Beatles. This class allows the option of taking the Music Theory AP exam. The class is recommended for upperclassmen, but is open to underclassmen with instructor consent.

Concert Band 1 credit 1 year (#7165)

Prerequisite - None

Grades 9, 10, 11, 12

Concert Band is an intermediate instrumental ensemble open to any students interested in developing their skills. Students taking this course are provided with a balanced, comprehensive study of music through concert band music literature. Students will learn to perform with expression and technical accuracy a large and varied repertoire of concert band literature that is developmentally appropriate and of the highest quality. Public performances will serve as a culmination of daily rehearsals and musical goals. Students in the concert band will tour and perform at local and/or regional concert band clinics every other year. Beginners are welcome. Please see instructor to choose an instrument.

Symphonic Band 1 credit 1 year (#7170)

Prerequisite - Audition

Grades 10, 11, 12

Symphonic Band is an advanced, audition-only ensemble composed of instrumentalists from grades 10-12. Students will concentrate on the study and performance of a variety of challenging high school and college level music from all periods. Students will refine their musical skills to perform with appropriate intonation, rhythmical, musical, and harmonic balance. Public performances will serve as a culmination of daily rehearsals and musical goals. This group tours on an every other year basis to national festivals.

Note: Marching Band

All members of the Concert Band and Symphonic Band will participate in the marching band. The marching band performs at all home football games, presents a half-time show for homecoming, select home basketball games, and the Homecoming and Memorial Day Parades. Extra rehearsals may be needed to prepare for the half-time show.

Performance is a logical extension of the musical learning process. Band and choral music courses require student participation in public performances held outside of the regular school day. Performance dates are announced early enough to allow the student to resolve scheduling conflicts that may occur. Students and parents should be aware that failure to perform at these functions without prior consent of the instructor may result in a failing grade.

Physical Education

Physical Education 9 .5 credit 1 semester (#9009)

Prerequisite - None

Grade 9

Grade nine physical education is a semester course which meets every other day. Students participate in a variety of fitness activities, sport activities and sport skills. Activities build on previous development and knowledge. Students participate in and are introduced to a wide variety of new sport activities and strategies. Units covered are health-related fitness, basketball, inline skating, organized games, soccer, softball, track and field, volleyball, weights and aerobics.

Physical Education 10 .5 credit 1 semester (#9010)

Prerequisite - Physical Education 9

Grade 10

Grade ten physical education is a one semester course which meets every other day. It focuses on improving sport and lifetime fitness concepts. Life saving skills are introduced in the CPR unit. Other units include: curling, health-related fitness, orienteering, pickleball, speedball, volleyball, weight training/aerobics and general games.

Physical Education 11-12 .5 credit 1 semester (#9011)

Prerequisite - Physical Education 10

Grades 11, 12

Physical education for grade eleven/twelve is a one year course which meets every other day. It focuses on the five fitness components: muscular strength, muscular endurance, flexibility, cardiovascular endurance, and body composition. Units covered are aerobics/personal fitness, badminton, bowling, flag football, floor hockey, golf, health related fitness, ultimate frisbee and general games.

Physical Education Elective .5 credit 1 semester (#9012)

Prerequisite - None

Grades 9, 10, 11, 12

Personal fitness is an elective semester course which meets every other day and may be taken each year in addition to the required physical education class for .5 credits. It is designed to involve students in activities to improve personal fitness. The course includes weight training, aerobics, medicine ball workouts, heavy ropes and other strength building activities.

Science

Below is a list of the possible paths that meet the minimum requirements for graduation. Those denoted by a (*) meet the prerequisites for AP Biology. Those denoted by a (#) meet the prerequisites for AP Physics. Those denoted by a (+) meet the prerequisites for AP Chemistry. Those paths denoted by neither an (*) nor a (#) can still possibly lead to AP Biology and/or AP Physics if a student takes more than one science course in a school year. Please note that each path includes biology.

<u>Path:</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>
1)*	Physical Science	Biology	Chemistry
2)#	Physical Science	Biology	Physics
3)	Physical Science	Biology	Tech. Lab
4)	Physical Science	Tech. Lab	Biology
5)	Physical Science	Biology	Environmental Science
6)	Physical Science	Biology	Human Anatomy
7)*##+	Biology	Chemistry	Physics
8)+	Biology	Chemistry	Honors Chemistry
9)	Biology	Physical Science	Tech. Lab
10)	Biology	Physical Science	Environmental Science
11)	Biology	Physical Science	Human Anatomy
12)*	Biology	Physical Science	Chemistry
13)#	Biology	Physical Science	Physics

Physical Science 1 Credit 1 Year (#3120)

Prerequisite - None
Grade 9, 10, 11, 12

Physical Science encompasses two areas of study: Chemistry and Physics. Through problem solving and lab based activities, students will construct meaningful scientific explanations for familiar physical phenomena. Students will see the importance of evidence, observations, experimentation, logic, and argument as they discover science is a dynamic and ever-changing enterprise based on the interplay between observations and ideas.

Ingredients for success in this course include an ability to design and conduct experiments, mature behavior and good homework habits.

Technology Lab 1 credit 1 year (#6050)

Prerequisite - None
Grades 10, 11, 12

Technology Lab is a year-long course designed to introduce students to a wide variety of technical areas, including research design and development, electricity, electronics, and principles of air flight. Students perform hands-on lab activities that incorporate technology, science, and math concepts as the main learning tool. This course may be taken for science credit.

**Placement for High School Biology
8-9 TRANSITION**

- Enrollment in Biology in grade nine is for the science oriented student. Developmentally, Biology is considered a class most often taken as a 10th grader. Students enrolling in Biology in 9th grade are projected to continue with Chemistry in 10th grade.
- In order to be considered for placement into Biology as a 9th grader and to promote success in Biology and later Chemistry, it is strongly recommended that students have successfully completed Geometry OR be concurrently enrolled in Geometry at PHS.
- Students who plan to enroll in Biology as 9th graders should meet objective and subjective performance criteria (listed below).
- A team of middle and high school representatives will make placement decisions for students wanting to enroll in Biology who do not meet performance criteria.

Objective Performance Criteria

- A or B average on District Math Assessments
- Cumulative 'A' average in 8th grade Science
- Cumulative 'B' average in 8th grade Math

Subjective Performance Criteria

- The student demonstrates:
 - Consistent task commitment
 - Higher level thinking ability
 - Self motivation

Grades 9, 10, 11, 12

Biology is devoted to the study of life, its cellular structures, energy requirements, reproduction mechanisms, genetics, and environmental relationships. In addition to an analysis of plants and photosynthesis, an extensive study of invertebrate and vertebrate zoology will include many dissections. This course also includes an examination of the impact of microbes and other living systems on human function. The anatomy and physiology of the human body will be studied through a survey of the various organ systems. Students must be able to work productively in groups and conduct experiments applying the scientific method.

Environmental Science 1 credit 1 year (#3673)

Prerequisite - Successful completion of Biology

Grades 10, 11, 12

Environmental Science is an ecologically focused course that examines our place in the natural environment. Students will explore the basic concepts of ecology, such as defining the essential characteristics of terrestrial and aquatic ecosystems, while using this as a framework to produce solutions to environmental problems such as habitat destruction, loss of biodiversity, pollution and global climate change. The major realms of focus will include Atmosphere, Lithosphere, Hydrosphere and Biosphere.

Chemistry 1 credit 1 year (#3300)

Prerequisite - Must have completed Geometry and Biology; Algebra 2 or concurrent enrollment recommended

Grades 10, 11, 12

Chemistry is the study of the structure, composition and properties of matter. An ability to visualize atomic structures and processes in three dimensions is integral to one's understanding. Safety and responsibility become cornerstones of learning as considerable class time is spent in performing and observing experiments. Diligence to the completion of one's homework assignments is a necessity for success.

Physics 1 credit 1 year (#3400)

Prerequisite - Algebra 2; Chemistry and Trigonometry recommended

Grades 10, 11, 12

Physics is the study of the relationship between matter and energy. It is the interaction between these two that shapes our environment on scales both very large and very small. Specific topics for study include motion, forces, gravitation, momentum, energy, waves, sound and optics. Considerable class time is spent in performing and observing experiments. Diligence to the completion of one's assignments and lab write-ups is a necessity for success.

Human Anatomy 1 credit 1 year (#3650)

Prerequisite - Biology

Grades 11,12

Human Anatomy is a course that will take an in-depth look at the anatomy and physiology of the human body. Included in this course will be extensive lab work with a detailed dissection of the rat. Students will have to complete a research paper and orally present the material to the class. This course is intended to prepare students for college biology, anatomy, and physiology and give them a clearer understanding of the functions and disorders of the body.

Honors Chemistry II 1 credit 1 year (#3302)

Prerequisite - Chemistry and Algebra 2

Grades 10, 11, 12

Honors Chemistry is a one-year course designed to prepare students for the chemistry work typically encountered during the first and second years of college programs related to: medicine, pharmacology, molecular biology, chemical engineering, chemical industry, forensics and environmental science. Students should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the students' ability to think clearly and express their ideas orally and in writing with clarity and logic. It is expected that students enrolling in this course be highly motivated and have a strong interest in pursuing a chemistry related field.

Advanced Placement Biology 1 credit 1 year (#3661)

Prerequisite - Biology and Chemistry (Human Anatomy is strongly recommended prior to AP Biology, because it is emphasized on the AP Biology exam); Algebra 2

Grades 11, 12

AP Biology is designed as an introductory college level biology course, which prepares students to take the National Advanced Placement Biology exam. Students who achieve a sufficiently high test score will gain college credit for work accomplished in high school. This course will supply students with detailed knowledge of biological chemistry, evolutionary processes, cell structures, genetics, and plant and animal biology. College level text books and laboratory materials will be used to supplement lectures.

Students in AP Biology must be self-motivated, productive workers. Good reading comprehension and study skills are a must. Students must be interested in taking college biology.

Advanced Placement Chemistry 1 credit 1 year (#3305)

Prerequisites - Algebra 2, Chemistry and either Honors Chemistry or Physics

Grades 11, 12

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. AP Chemistry meets the objectives of a good college general chemistry course. Students should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the student's abilities to think clearly and to express their ideas orally and in writing, with clarity and logic. The AP Chemistry curriculum is designed to prepare students for taking the AP Chemistry exam, which for some students will enable them to undertake, in their first year of college, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. Students enrolling in this course will be required to attend resource on the days they have class and should anticipate 5+ hours of additional study time outside the classroom.

Advanced Placement Environmental Science 1 credit 1 year (#3674)

Prerequisite - Successful completion of biology and chemistry (or currently enrolled in chemistry); Algebra 2

It is strongly recommended that the student received a B or better in biology and chemistry

Grades 11, 12

AP Environmental Science is a one-year course designed to provide students with scientific principles and concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students must be highly motivated and have an interest in learning the material. It is expected that students taking the course will attempt the AP Environmental Science Exam.

Advanced Placement Physics B 1 credit 1 year (#3402)

Prerequisite - Chemistry. Physics and Trigonometry required; concurrent enrollment in AP Calculus also recommended

Grade 12

Advanced Placement Physics is the study of fluids, thermodynamics, kinetic theory, electricity, magnetism, optics, modern physics and special relativity. Students will apply the scientific method to a variety of related experiments. Considerable time is spent with problem-solving skills and strategies. This course is designed for the very dedicated science student; the AP Physics exam(s), through which students can earn college credit, will be offered in May and is expected to be attempted by each student.

Social Studies

Introduction to the Social Sciences 1 credit 1 year (#2301)

Prerequisite - None
Grades 9

This course is a year long required freshman social studies class. It is designed to introduce students to the diverse nature of the social sciences. This will include an overview of American Government, Economics, Geography, Anthropology, Sociology, and Psychology. The students will be introduced to the critical thinking skills necessary to discover, analyze, and evaluate social studies fundamentals

United States History 1 credit 1 year (#2340)

Prerequisite - None
Grade 11

This class will provide students with an overview of American History from 1865-Present. Included in this overview will be an analysis of the events, concepts, and leaders that helped to shape the nation that we live in. The content of this class is arranged chronologically with a focus on themes, current issues, and challenges that our nation has faced, is facing today, and likely will face in the coming years.

Current Issues 1 credit 1 year (#2390)

Prerequisite - None
Grades 10, 11, 12

This elective course will examine critical issues confronting the nation and the world. As citizens in a democratic society which is part of an interdependent world network of nations, students need more than simple information about faraway places and national topics that happen to make today's front page. This study of current events will teach students how to analyze important issues. By defining problems, collecting and analyzing data, developing alternative solutions, selecting appropriate responses, working with others, developing and defending a position, and persuading others, students will learn the skills and attitudes that will make them informed and effective citizens.

Geography .5 credit 1 semester (#2300)

Prerequisite - None
Grades 9, 10, 11, 12

This course will provide students with the opportunity to gain a better understanding of the planet on which we live and of the interactions between human beings and our natural world.

The course content will cover a fairly wide range of topics including location, climate, land forms, populations, and the movement of people on our earth. The main goal of the course will be to increase the understanding of the dynamic relationship between physical and cultural geography--how physical geography and climate have affected human civilization and in return how different cultures have altered the environment. Students will be challenged to analyze information and use thematic maps as tools to describe and explain key concepts.

Government .5 credit 1 semester (#2360)

Prerequisite - None

Grade 12

This is a study of the complex processes and institutions which regulate resources, authority, power, control and protection of the individual and the government. The role of law, the relationship of the individual to the legal system, and the rights and duties of citizenship are emphasized. This course is designed to make the student aware of choices he/she must make in order for our democracy to survive.

The course content for Government includes a wide variety of topics such as: systems of government, foundations of American government, the Constitution and Federalism, and politics and political behavior. There is extensive coverage of the legislative, executive and judicial branches of government. There is also an emphasis on the court system and civil and criminal procedure.

Economics .5 credit 1 semester (#2370)

Prerequisite - None

Grades 11, 12

This is a one semester course that covers the foundations of economics with applications to current policy issues in the real world today. Students will develop a basic knowledge of the tools of economic analysis. Topics will include: gross national product (GNP), consumer price index (CPI), inflation, unemployment, supply and demand, market dynamics, gains from trade, international economics and exchange rates, and government policies-including taxation and Federal Reserve (FED) activities. Students will learn how to read, analyze, and discuss topics from Wall Street Journal articles using economic theory and tools developed in the course.

Model United Nations 1 credit 1 year (#2330)

Prerequisite - Admission to the Model UN class is with the consent of the instructor. In the event that more students wish to take the class than there are spaces available, the instructor will institute a competitive admission process assessing skills necessary for success in the Model UN class.

Students may take the Model UN class more than once.

Grades 10, 11, 12

This class is intended for students in grades 10-12 who have an interest in international affairs. Students will be required to do extensive outside preparation including in-depth research.

This yearlong class will focus on the purposes and functions of the United Nations as an international organization. Class participation will demand accuracy, preparation, and a hands-on, problem-solving approach to resolving pressing global issues through the Model UN program.

Students will assume the roles of diplomatic representatives to an assigned UN country and, through their research and their role-playing, they will represent the interests of a particular country on UN committees. Students will do an in-depth study of their assigned country, including its geopolitics and its involvement in the UN. Students will also be required to write position and background papers from the country's point of view on specific global problems.

Students must participate in at least one off-campus Model UN simulation and will have the opportunity to attend one or two more throughout the year. Model UN simulations in the past have been in Chicago, Boston and New York. The simulations are usually a combination of school and weekend time and will require fund-raising to pay for transportation, lodging and meals.

Advanced Placement U. S. History 1 credit 1 year (#2391)

Prerequisite –Students are encouraged to successfully complete AP World History prior to taking this course
Grades 11, 12

Advanced Placement U. S. History is a challenging course that is meant to be the equivalent of a freshman college course. Students may be awarded college credit by earning a satisfactory score on the AP test offered nationally in May. This class is a two-semester survey of American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary for success. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and depth of historical knowledge and historiography.

Psychology .5 credit 1 semester (#2380)

Prerequisite - None
Grades 11, 12

This course will help students acquire an in-depth knowledge of human behavior and mental processes. Students will gain an understanding of behavior as they learn the knowledge and skills necessary to address critical problems of the individual and society. Biological bases of behavior, sensations and perception, memory, states of consciousness, personality and assessment, and psychological disorders will all be explored. In addition, students will analyze examples of behavior, read and interpret psychological findings, and examine their own personal attitudes.

Modern World History 1 credit 1 year (#2350)

Prerequisite -None
Grade 10

This year long, required course is a survey of the major events, people, and institutions that have shaped modern world history from 1700 to the present. This course is designed to expose students to the common problems that humans have faced and the variety of solutions that have been tried, in an effort to prepare them to be citizens in an increasingly interdependent world.

Advanced Placement World History 1 credit 1 year (#2355)

Prerequisite: It is highly recommended that only motivated students who have maintained an A average in ISS sign up for this course.
Grades 10, 11, 12

Advanced Placement World History is a rigorous course that is meant to be the equivalent of an introductory college course in world history. Students may be awarded college credit by earning a satisfactory score on the AP test offered nationally in May. This class is a two-semester survey that aims to develop greater understanding of the evolution of global processes and contacts in different types of human societies from c. 8000 B.C.E. to the present. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes important factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. The course offers an approach that lets students “do history” by guiding them through the steps a historian would take in analyzing historical events and evidence worldwide. The course offers balanced global coverage, with Africa, the Americas, Asia, Europe and Oceania all represented. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary for success.

Academic Decathlon .5 credit 1 semester (#2310)

Prerequisite - Admission to the Academic Decathlon class is with the consent of the instructor. In the event that more students wish to take the class than there are spaces available, the instructor will institute a competitive admission process assessing skills necessary for success in the Academic Decathlon class. Students may take the Academic Decathlon class more than once.

Grades 9, 10, 11, 12

The participants in the class will compete at various levels in subjects that are related to a central theme each year. This class is designed to enhance the skills necessary to succeed in the rigorous academic standards of ten subjects including art, music, social science, language and literature, speech, essay, math, economics, interview, and super quiz.

Sociology .5 credit 1 semester (#2385)

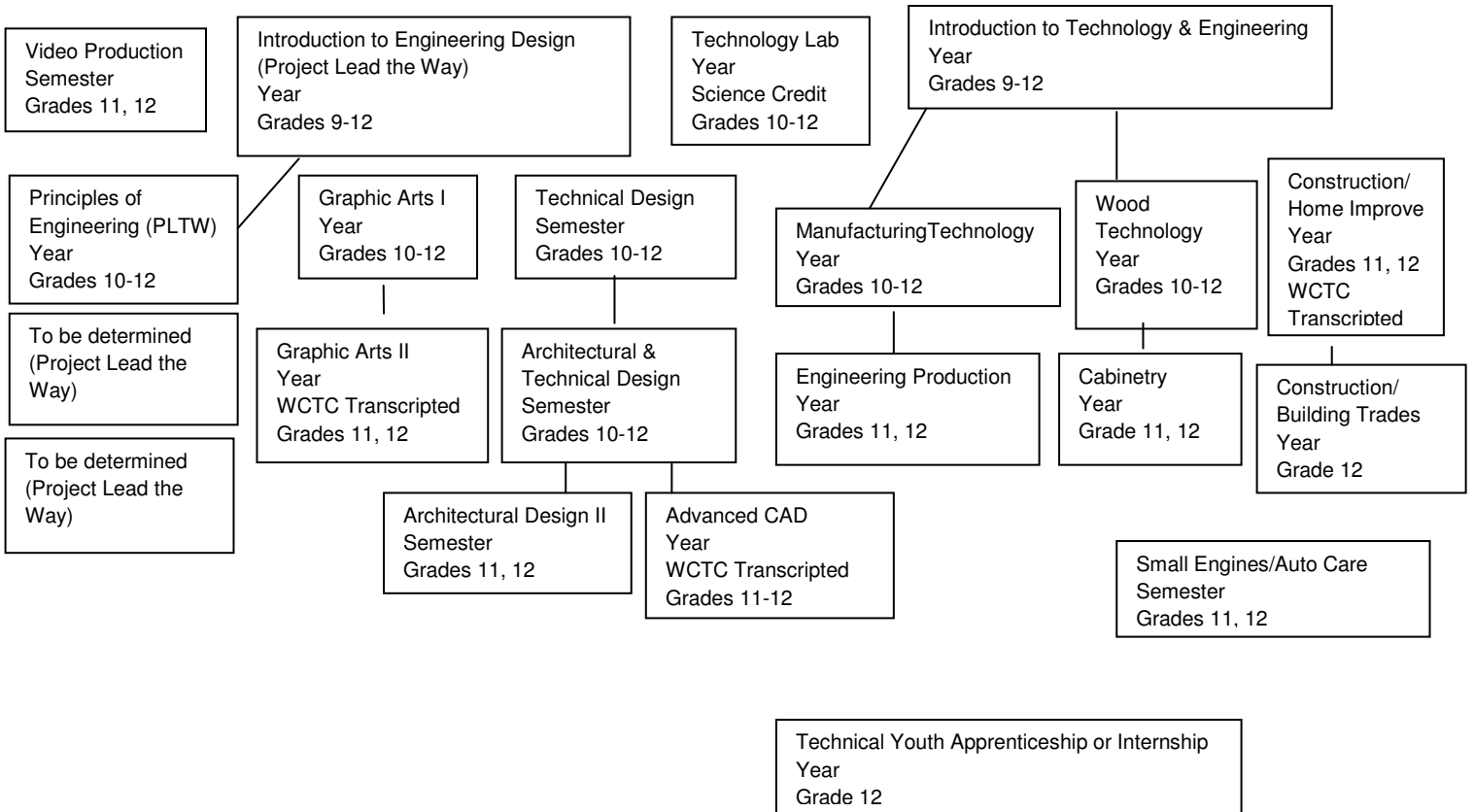
Prerequisite - None

Grades 11, 12

This course is designed to have students define, describe, and analyze the various interactions between groups and cultures in a society and in the world. The relationship of people in economic, political, educational, and social institutions will be explored. In addition, the current and past social issues of the American culture and the world will be analyzed and compared to gain an understanding of the development of societies norms, rules, and responsibilities.

Technology Education

Technology Education Course Selection Grades 9-12 2009-2010



Project Lead the Way (PLTW)

Project Lead The Way (PLTW) is a series of courses (four year-long courses) designed to prepare students for engineering and technology based careers. Though project-based, hands-on experiences students learn key elements and skills of engineering and technology based careers by solving real-world engineering problems.

To learn more about PLTW log on to www.pltw.org.

Introduction to Engineering Design 1.0 credit 1 year (# 6010)

Project Lead The Way course

Prerequisite - Concurrently enrolled in a math course with a minimum standard of Geometry

Grades 9-12.

Introduction to Engineering Design is the first of several courses in the Project Lead The Way program. This year long course focuses on using the design skill necessary when engineering a product. Students will also learn to use a computer modeling software (Inventor) to create drawings and 3-D models of assigned projects. Students will be required to solve design problems as they develop, create, and analyze product models.

Principles of Engineering 1 credit 1 year (#6301)

Project Lead The Way course

Prerequisite: Completion of Introduction to Engineering Design and completion of or concurrent enrollment in Algebra 2

Grades 10-12

Principles of Engineering is a year course, which is organized around a set of major concepts, skills and attitudes that are generic and necessary to all engineering endeavors. This hands-on course is designed to give students the opportunity to learn about what engineers do as well as apply engineering skills. The following information will be covered; the design process, engineering systems (mechanical, thermodynamics, fluid, electrical, and control), materials, material strength, material testing and an introduction to dynamics/kinematics.

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Introduction to Technology and Engineering 1 credit 1 year (#6007)

Prerequisite - None

Grades 9, 10, 11, 12

Introduction to Technology and Engineering is a year long course which provides students a foundation of knowledge and technical skills necessary for most technology education courses. This course is designed to help students master critical concepts and techniques through hands-on activities. The course will focus on content such as, sketching, designing with Auto CAD, manufacturing techniques (with wood, metal, plastics), building construction, electronics, information systems and technical problem solving.

Technical Design .5 credit 1 semester (#6063) (formerly Technology Design I)

Prerequisite - None

Grades 10, 11, 12

Technical Design is a semester course which provides students with the skills and knowledge necessary for product design and development or architecture. Students will study a variety of design methods such as orthographic projection, working drawings and architectural drawings. AutoCAD will be used in conjunction with drawing board activities.

Architecture and Technical Design .5 credit 1 semester (#6325) (formerly Architectural Design I)

Prerequisite - None

Grades 10, 11, 12

Architecture and Technical Design is a semester course which builds on the skills and knowledge developed in Technical Design. Students will learn about residential design while creating a set of house plans. Students will be introduced to 3D modeling and the process of preparing a product for manufacturing through the use of CAD and CNC programming.

Architectural Design II .5 credit 1 semester (#6326)

Prerequisite: Architecture and Technical Design

Grades 11, 12

Architectural Design II will focus on architecture as a career. Students will job shadow an architect and be required to present design ideas. Areas of architectural design that will be addressed to include: urban planning, industrial and commercial architecture. Students will address meeting the needs of customers, building codes, neighborhood/development restrictions and pre-planning considerations such as surveying and zoning.

Advanced CAD 1 credit 1 year (#6067)

Prerequisite: Technical Design and Architecture and Technical Design

Grades: 11, 12

Advanced CAD provides knowledge of the basic mechanical drafting standards used in industry and develops skill in creating quality hand, CAD and 3D modeling drawings. **This course may be taken for WCTC transcribed credit.**

Construction and Home Improvement 1 credit 1 year (#6065)

Prerequisite-None

Grades 11, 12

Construction and Home Improvement is a hands-on course that is designed to help students understand home construction and maintenance. Students will gain valuable experiences they will need when becoming a homeowner. The activities are designed to provide students with experience in home inspection, structure planning, basic carpentry, framing, residential wiring, plumbing, drywalling, masonry, and home maintenance. **This course may be taken for WCTC transcribed credit**

Construction/Building Trades 1 credit 1 year (#6068)

Prerequisite - Construction and Home Improvement; completed course application and instructor interview (see instructor)

Grade 12

Construction/Building Trades is a year-long course that builds on the technical knowledge and skills learned in Construction/Home Improvement. Students will use hands-on experiences to learn more about building trades and their related skills. In this course, students working on a large scaled project that will be either community based or creating a structure that can be sold. Past projects have been sheds, play houses, softball dugouts, a park pavilion, board walks and the soccer press box.

Wood Technology 1 credit 1 year (#6006)

Prerequisite: Introduction to Technology and Engineering

Grades: 10, 11, 12

Wood Tech is a year course that provides students the opportunity to develop a greater aptitude of wood science and the processing of wood into usable products. Students will gain and apply technical knowledge of the wood used in industry while creating student projects. This course will focus on the areas such as: safety, tool and machine operation, wood science, project planning, wood products, CNC programming, wood forming and shaping techniques.

Cabinet and Furniture Making 1 credit 1 year(#6062)

Prerequisite-Wood Technology

Grades 11, 12

Cabinet Making is a yearlong course, which offers a more in-depth, technical look at woodworking procedures and processes. This advanced course offers students the opportunity to create cabinets as well as design and create furniture. Students will also study production of wood products in industry.

Technology Lab 1 credit 1 year (#6050)

Prerequisite - None

Grades 10, 11, 12

Technology lab is a year-long course designed to introduce students to a wide variety of technical areas, including research design and development, electricity, electronics, and principles of air flight. Students perform hands-on lab activities that incorporate technology, science and math concepts as the main learning tools. **This course may be taken for science credit.**

Small Engines/Automotive Care for Consumers .5 credit 1 semester (#6430)

Prerequisite - None

Grades 11, 12

The Small Engines/Auto Care for consumers course is an introductory course designed to acquaint the student with power producing and transmitting devices, and their related components. The course can be separated into two halves. The first half deals with small engines, chiefly two and four stroke cycle engines. Related drive systems such as clutches, gear pulleys and sprockets will also be discussed. The second half of the course will deal with basic automotive care and maintenance and analyze the role of the automobile in society. Emphasis will also be placed on making the student a knowledgeable consumer when purchasing automotive parts and service.

Manufacturing Technology 1 credit 1 year (#6066)

Prerequisite - Introduction to Technology and Engineering

Grades 10, 11, 12

Manufacturing Technology is a year course that provides students the opportunity to use hands-on activities to learn about the world of manufacturing. This course will focus on the basics of the manufacturing industry and the tools, materials, processes and safety procedures that are basics to making products.

Engineering Production 1 credit 1 year (#6300)

Prerequisite - Manufacturing Technology

Grades: 11, 12

Engineering Production is a year long course which will build on the skills and knowledge students gained in Manufacturing Technology. Students will design and develop products using advanced machining, metal cutting, welding, mold making and form techniques.

Graphic Arts I 1 credit 1 year (#6450)

Prerequisite - None

Grades 10, 11, 12

This one year course gives students basic knowledge in generating master copy on computers, which will be used for press duplication. Students will be instructed on general desktop publishing concepts and design, and will be taught the use of graphics software (Adobe Illustrator and Adobe Photoshop), word processing software and page-layout software. As a final project, the students will apply their experiences to the production of a printed piece of their own design. Black and white film photography, as well as digital photography will be covered. Screen printing will be introduced as students produce T-shirts. Graphic Arts I also gives students information on the many career opportunities in the graphic arts/printing industry.

Graphic Arts II 1 credit 1 year (#6455)

Prerequisite - Graphic Arts I

Grades 11, 12

Graphic Arts II will provide students with an advanced knowledge of the graphic arts industry and its technologies at an accelerated pace. Students will learn about desktop publishing, graphic arts imaging, digital image assembly and lithographic plate making, offset press operation, bindery techniques, and the screen printing operations of stencil making and printing. Students will do assignments that will result in the generation of usable finished products such as T-shirts, business cards, notepads, booklets, flyers, laser engraved mirrors, etc. Projects will focus on single and multi-color printing, as well as advanced digital in aging processes. **This course may be taken for WCTC transcribed credit.**

Video/Broadcast Production .5 credit 1 semester (#6460)

Prerequisite - None

Grades 11, 12

This one semester, hands on course, covers the basics of the video/broadcasting production process, as well as ethical and legal issues related to communication. Students will be provided with an opportunity to learn the elements of planning and developing several types of communications multimedia. Students will demonstrate production skills and techniques necessary for producing a variety of video and multimedia formats. Example formats include producing news programs, team sports highlights, community documentaries, and promotional advertising commercials, as well as podcasting.

School to Work

Career Connections 2 credits 1 year (students must register for both Career Connections #5612 and Work Experience #5613)

Prerequisite - minimum 22 credits or teacher consent

Grade 12

Career Connections is a program for seniors who are interested in receiving credit for working while also receiving credit for in-school work based instruction. Students will be released from a specific amount of the school day in order to work. In addition to the work credit, students will take a class receiving instruction in the areas of future career goals, resume building, financial living and more. Students must be enrolled in at least 6 classes (one of which is Career Connections and another being Work Experience). Each students' work-site experience is supervised on the job by employers in conjunction with the Career Connections instructor. Students who sign up for this program must see Ms. Gatzow before school lets out for the year.

The following requirements indicate the expectations for enrollment::

1. Interested students must fill out the appropriate Career Connections forms in order to be enrolled in the program. All forms must be completed prior to June 1st and given to Ms. Gatzow.
2. Students must be employed by the first day of school. If student is not employed by the first class meeting, they will be dropped from the course. If you need assistance gaining employment, please contact Ms. Gatzow (ext. 6163) before school starts.
3. Students must follow all of the attendance procedures for the school and worksite.
4. Students must be able to provide their own transportation.
5. Students must work a minimum of 15 hours/week.

Staff Directory, Pewaukee High School

All faculty members at Pewaukee High School can be accessed through their e-mail at our website:

www.pewaukee.k12.wi.us

Administration

Mr. Marty VanHulle - Principal
Mr. Dan Halvorsen - Assoc. Principal
Mr. John Maltsch - Athletic Director

Guidance

Mrs. Sharon Clement
Ms. Angie Gatzow
Mr. Jack Richards

Art

Mr. Batiste
Mrs. Bjork

Business

Mrs. Hamilton
Mr. Iverson
Mr. Staus

English

Mr. Callies
Mrs. Curtis
Ms. Lange
Ms. LeDonne
Mrs. Woods
Mr. Zindler

Family & Consumer Education

Mrs. Frankwick
Mrs. VonHoff

Foreign Language

Mrs. Fogerty
Mrs. Gerdman
Ms. Larson-Horne
Mrs. Pundsack

Health

Mrs. Holsclaw

Library

Ms. Shay - Media Specialist
Mrs. Roberts- Library Secretary

Math

Ms. Bartz
Mr. Bauer
Mrs. Doornek
Mr. Kurth
Mrs. Meyer
Mr. Ryback

Music

Ms. Mitchell
Mrs. Tiefel

Physical Education

Mr. Basile
Ms. Spurr

Science

Mr. Cassini
Ms. Klemme
Mrs. Nies
Mr. Reuter
Mr. Stimpert
Mr. Wright

Social Studies

Mrs. Bosanec
Mrs. Budde
Mr. Douglass
Mr. Hassman
Mr. Lecher
Mr. Yuskis

Special Education

Mrs. Conley
Ms. Lane
Mrs. Thomas
Mrs. YoungEagle
Mrs. Welleritter

Technical Education

Mr. Baker
Mr. Colwell
Mr. Kashian
Mr. Spoerke
Mrs. Walz

School to Work Co-ordinator

Ms. Angie Gatzow

Nurse

Mrs. Kelly O'Reilly

Support Staff

Mrs. Billig - Guidance Secretary
Mrs. Grulke - High School Secretary
Mrs. Skurulsky - Attendance Secretary
Mrs. Williams - Athletic & Activities Secretary
Mr. Boyke - Instructional Aide
Mrs. Davison - Instructional Aide
Mr. Hansen - Instructional Aide
Mrs. Hoang - Instructional Aide
Mrs. Nelson - Instructional Aide
Mrs. Zuehlke - Instructional Aide