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**WYOMING
AREA
SCHOOL
DISTRICT**

**Program of Studies
2011-2012**

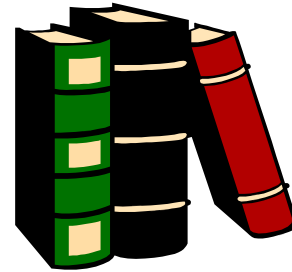
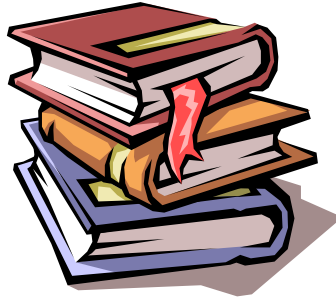


TABLE OF CONTENTS

• INTRODUCTION.....	2
• LETTER FROM THE SUPERINTENDENT....	3
• GENERAL INFORMATION.....	4
• COUNSELING AND GUIDANCE SERVICES.	5
• CURRICULAR INFORMATION.....	6
• GRADE REPORTING.....	10
• HEALTH AND PHYSICAL EDUCATION.....	11
• ENGLISH.....	12
• SOCIAL STUDIES.....	15
• FOREIGN LANGUAGE.....	18
• COURSE OFFERINGS BY DEPARTMENT....	20
• MATHEMATICS.....	24
• SCIENCE.....	26
• CAREER TECHNOLOGY.....	30
• TECHNOLOGY EDUCATION.....	33
• FAMILY AND CONSUMER SCIENCES.....	35
• ART.....	36
• MUSIC.....	38
• GUIDANCE.....	40

WYOMING AREA SECONDARY CENTER
EXETER, PENNSYLVANIA

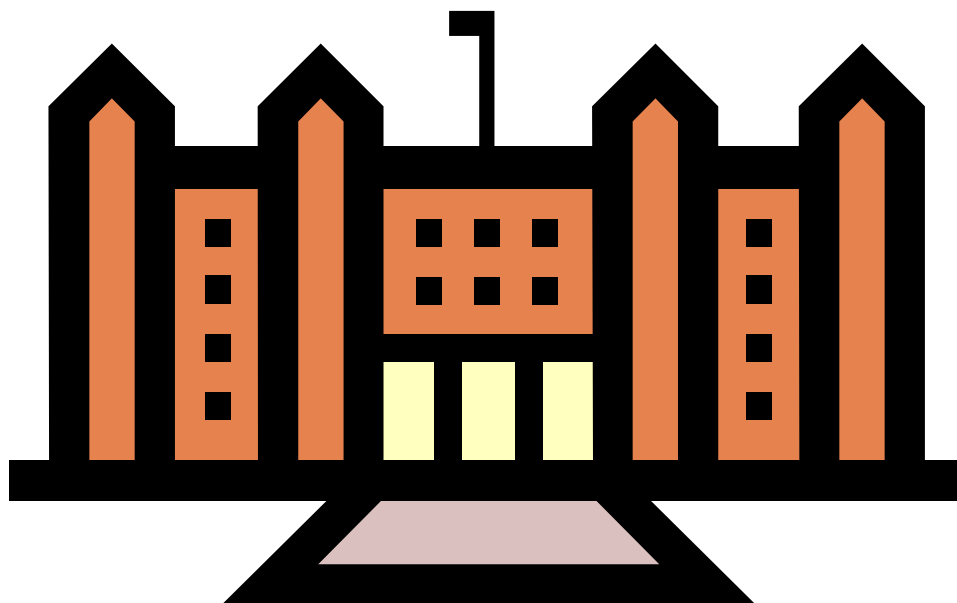
2011-2012

PROGRAM OF STUDIES

The Wyoming Area School District subscribes to the philosophy that equal opportunity in education is fundamental to equality in all forms of human endeavor. All programs and services offered by the Wyoming Area School District will be available to all students at a given level without regard to race, religion, handicap, sex, national origin, or socioeconomic status.

In addition, the Wyoming Area School District maintains that all students deserve an opportunity to achieve to their maximum intellectual potential, including the development of their ability to apply that intellect to the solution of the problems of citizenship in a democratic society. The ultimate goal of the district's Special Education program is to develop in the exceptional student the ability to think and act independently.

Any student or parent desiring further information on the specific Special Education programs and services available in our District may contact the Guidance office at the Secondary Center. The phone number is (570) 655-2836.





Raymond J. Bernardi

Dear Parents and Students:

We have a rich tradition of academic excellence at Wyoming Area, which has been consistently demonstrated over the years in the Pennsylvania School System Assessment (PSSA) results, and in the distinguished college placements and scholastic awards that our students have achieved. This is due largely to the strong curriculum we offer, our faculty setting high expectations and the involvement of our parents in their child’s education.

It is the time of year for your son or daughter to select a Program of Studies for the coming school year. This important decision will have an impact on their future lives. It is important that you be involved in this team decision (parent and child) in selecting the proper courses that are consistent with your child’s future educational plans and career goals. The rigorous and challenging course selections in our high school meet the diverse needs of all our students for admission into college as well as for those students who plan on entering the workforce. The course selections, in combination with high school achievement and references, will qualify your son or daughter for the college and career plans of his or her choice.

I encourage all students to choose a schedule of courses that are challenging built upon your interests and strengths. New careers are emerging in our highly competitive society of the 21st Century. Take advantage of the educational opportunities you have at Wyoming Area to achieve the career of your choice.

Ask questions and seek information – our teachers, counselors and administrators are excellent sources of information and are accessible to you. Please do not hesitate to use the resources available to assist you in this process.

Sincerely,

RAYMOND J. BERNARDI
SUPERINTENDENT

ADMINISTRATION:

Raymond J. Bernardi, Superintendent
Janet Serino, District Principal of Curriculum
Vito Quaglia, High School Principal
Cathy Ranieli, Assistant High School Principal
Deborah J. Popson, Director, Special Education

SECONDARY CENTER COUNSELORS:

Brian Butler
Jennifer Vacula
Jennifer Alaimo

DEPARTMENT CHAIRPEOPLE:

Mrs. Calpin, Health & Physical Education
Ms. Marchesini,
Special Education
Dr. Butz, Music and Choral
Mrs. Barrett, Career Technology
Mr. Romanowski & Mr. Lulewicz,
Mathematics
Mrs. Nardell, Nurse
Mr. Pizano, Science
Mrs. Bullions, Social Studies
Mrs. Rutledge, English
Mrs. Rauh, Foreign Languages
Mr. Loftus, Family & Consumer Sciences/
Technology Education
Mrs. Villano, Art
Mrs. Berti, Library
Mr. Butler, Guidance

GENERAL INFORMATION

TO THE STUDENT:

This Program of Studies booklet has been carefully planned so that all students will have an opportunity to adequately prepare for his/her future. Whether you plan to go on to higher education, to enter the labor market, or to enter the military service, the opportunity to select courses which will meet your specific needs, interests and abilities is provided by this school.

Be honest and realistic as you plan your individual program of studies. Seek the advice of your parents, your counselor, and your teachers. Remember, these decisions may very well determine, or substantially contribute to your future successes. Accept the challenges that each course offers and dedicate yourself to hard work and a spirited and wholesome attitude. Be a contributing member of the student body, your homeroom, your academic classes, as well as various other school activities. Your participation will make your high school years more rewarding, more interesting, and certainly more enjoyable.

COURSE SELECTION:

Our school week consists of forty (40) classroom periods - eight (8) periods each day. Each student should schedule a minimum of thirty-two, (32) periods of academic classes per week. All students are encouraged to plan a program beyond these minimum requirements. In any course offered to all grade levels, preference will be given to seniors. The school reserves the right to cancel any course from its educational program for which there is insufficient enrollment. Students are to use the course Selection Worksheet, provided with this booklet, to record their course requests. The approval of each student's course requests will be granted only after such request form is signed by the student, parent(s), and counselor. Students and parents are advised that JULY 1ST IS THE DEADLINE for making any course changes. Except for administrative necessity, no requests for changes will be honored after the date unless done in strict compliance with established School District policy.

GRADUATION REQUIREMENTS

Students must earn twenty-two (22) credits to qualify for graduation from Wyoming Area High School. 17.2 of these credits must be earned in major subjects. The requirements for graduation also stipulate that the 17.2 credits must be earned as follows:

4 credits in English (1cr/yr)	1.2 credits in .40 Health/.80 Phys. Ed.
4 credits in Soc. Studies (1cr/yr)	(.20cr/yr)
3 credits in Mathematics	2.0 credits in Arts & Humanities
3 credits in Science	Remaining credits required to graduate will be electives.



COUNSELING AND GUIDANCE SERVICES

Each student is assigned a guidance counselor on a horizontal basis. The counselor will have a given student successively in grades 9, 10, 11 & 12. Counselors work with the student in the areas of educational and vocational planning, as well as crisis or personal counseling. The Guidance Department utilizes the career-oriented computer software program FUTURE CONNECT to assist the student in self-assessment, identifying occupations, college placement and in acquiring occupational and educational information. This program begins at grade 9 and continues through grade 12.

BASIC INTERVIEW PROCEDURES:

- A. GRADE NINE:
 - 1. Orientation to the high school
 - 2. Investigation of career opportunities
 - 3. Formulation of long-range plans
 - 4. Importance of participation in co-curricular activities
 - 5. Emphasis on the importance of a good high school academic record and good class ranking
 - 6. Awareness of graduation requirements
 - 7. Course selections for the following year
- B. GRADE TEN:
 - 1. Narrowing of career choices
 - 2. Review of previous year's academic performance
 - 3. Utilization of long-range plans
 - 4. Utilization of Career Resource information
 - 5. Course selection for the following year
- C. GRADE ELEVEN:
 - 1. Importance of certain testing dates for scholarship and colleges
 - 2. Review of previous year's academic performance
 - 3. Serious college/technical school considerations with visitation possibilities
 - 4. Studying about occupational choices using Career Resource and Guidance Department materials
 - 5. Awareness of graduation requirements
 - 6. Course selections for the following year
- D. GRADE TWELVE:
 - 1. Develop student awareness for applications for college, nursing, business, and technical schools, etc.
 - 2. Information on filing of PHEAA, PELL grant applications, and other scholarship forms given at Financial Aid Night for students and parents
 - 3. Review graduation requirements
 - 4. Finalize post-high school plans
 - 5. Interview with employment agency



CURRICULAR INFORMATION

At The Wyoming Area Secondary Center students may, within certain limitations, select the curriculum that best satisfies their specific needs. It is urgently recommended that students give serious consideration to their career objective as early as possible in their high school years. In this way, and with the assistance and recommendation of their counselor, their specific program of studies will be more meaningful.

COLLEGE PREPARATORY CURRICULUM:

The college preparatory curriculum is available to students who plan on enrollment in a formal education program after high school graduation. The curriculum is designed to provide the necessary requirements in foreign languages, mathematics, and science to enable students to meet admission



requirements in institutions of higher learning. Students in the college preparatory curriculum may major in a subject area (Language, Mathematics, English, Social Studies, Science, Art, Music, Career Technology, Technology Education, and Family & Consumer Sciences) by completing a three-year sequence offered by the department and by taking additional electives in the selected field.

HONORS/ACCELERATED PROGRAMS:

A. The Honors Program in English and Social Studies and the accelerated program in Mathematics and Science have been established to provide more challenge and enrichment for those students who meet the following requirements:

1. Student request for placement in the program
2. Written approval of a parent/guardian for such placement
3. A minimum final grade average of 3.5 in the previous subject area course and the recommendation of the teacher of that course
4. Satisfactory standardized test scores in Reading and/or Math
5. A minimum average of 3.0 in the subject area to continue in the Honors or Accelerated Programs

All honor/accelerated classes will be recorded as such on the student's high school record and college transcript. Enrollment in the Honors and Accelerated Programs is a prerequisite for enrollment in the Advanced Placement Program in the same subject area.

ADVANCED PLACEMENT PROGRAM:

The Advanced Placement (AP) Program at Wyoming Area provides eligible, motivated high school students with the opportunity to take college-level courses in the high school setting. Students who participate in the program not only gain college level skills, but may also earn college credit.

Upon completing a course or series of courses, students are administered advanced placement examinations in May of their junior or senior years. The examinations are graded by the College Board Advanced Placement Program in June and are scored on a five-point scale. In order for a student to receive an A.P. course credit at Wyoming Area, the student must score a 3.0 or higher on the A.P. test. The results are sent to the colleges requested by the student. Normally, grades on these exams of less than 3 do not provide students with credit or advanced placement in participating colleges. Students are asked to check with the college they are interested in to determine the college's advanced placement policies.

A fee of \$82.00 is charged for each advanced placement examination. This fee will be paid by the school district for any student who maintains a grade point average of 3.70 or higher in the advanced placement course. Students in the program who do not maintain the aforementioned average are eligible to take the examination, but must pay for their own examination fee(s). Courses are:

AP ENGLISH 12

AP EUROPEAN HISTORY

AP AMERICAN HISTORY

AP AMERICAN GOVERNMENT & POLITICS

AP ECONOMICS

AP CALCULUS

AP BIOLOGY/BIOLOGY 2

AP CHEMISTRY/CHEMISTRY 2

AP PHYSICS/PHYSICS 2

AP COMPUTER SCIENCE



ADVANCED COLLEGE PLACEMENT PARTNERSHIP

In an effort to promote excellence in the pursuit of academics, the secondary Administration, with the cooperation of the Guidance Department has established a partnership with the area's colleges. The purpose of this joint venture is to provide our students with a chance to achieve college credit while a student at Wyoming Area.

Those students who qualify will be permitted to enroll at Kings and Wilkes in courses for full college credit. All students in their junior or senior year who rank in the top ten percent of the class are eligible. Students in the junior or senior year who receive teacher recommendations are also eligible.

The procedure for application can be secured through the guidance office and your counselor. Please note that a nominal fee is charged by the colleges.

DISTANCE LEARNING

High school and college courses are available through Distance Learning. Please see your counselor for information on course requirements, time and fees.

WEIGHTING OF GRADES FOR CLASS RANK:

All courses offered at the high school level have been assigned a weight factor to indicate the level of difficulty of that particular course. This weight factor will be used only in the determination of a student's class rank.

CURRICULAR OFFERINGS:

The purpose of establishing a variety of curricular offerings is to ensure that all students take those courses which best satisfy their career and/or interest objectives and to help them better prepare to meet their career goals after graduation. The recommended academic sequences are:

1. HONORS - Designed for students who have met the criteria for entry into the honors/accelerated programs of the English, Social Studies, Mathematics and Science departments.

2. COLLEGE PREP (Math/Science) - Designed for those students who have met the criteria for entrance in the accelerated programs of the Mathematics and Science departments.

3. COLLEGE PREP (Liberal Arts) - Designed to meet the needs of those students who plan to pursue post-secondary studies following graduation.

4. COLLEGE PREP (Accounting/Management) - Designed to meet the needs of those students who plan to enter college in pursuit of a degree in Business Administration, Accounting, Management, or Computer Information Systems.

5. CAREER TECHNOLOGY - Designed to meet the needs of those students who choose to learn skills and develop competencies required for employment immediately after graduation. It is also designed to meet the needs and educational interests of those students who plan to pursue a higher education.

6. SPECIAL EDUCATION - The Wyoming Area Special Education Department offers Learning Support Classes, Emotional Support Classes, Speech/Language Support Services, and Psychological Services for grades 7-12 at the Secondary Center. The Luzerne Intermediate Unit provides Vision and Hearing Support Services, Occupational Therapy Services, Physical Therapy Services, Augmentative Support Services, Mobility Training Services and Physical Support.

A Work Experience Program, operated in conjunction with the Luzerne Intermediate Unit, is in place to give the Special Education Student the opportunity to obtain valuable on-the-job training while receiving academic credit toward graduation requirements. Special Needs Students may also participate in a situational assessment program operated by the Luzerne Intermediate Unit on a cyclical basis.

7. GIFTED PROGRAM - The Wyoming Area School District provides a Gifted Program for students who have been identified as gifted as per Chapter 16 criteria. The needs of the gifted student are addressed in the Gifted Individualized Educational Program, a specially designed instruction that is conducted in the instructional setting. The student is provided enrichment or instruction in a chosen skill area under the direction of the classroom teacher.

RECOMMENDED ACADEMIC SEQUENCE

Students should refer to the following chart "Recommended Academic/Sequence" for the minimum course requirements necessary to meet the criteria of each particular area of study. Students may take higher level courses in any particular discipline, provided they meet the necessary pre-requisites, if any. In addition, a student is allowed to take one elective in an alternative sequence per year and still satisfy the minimum requirements of a particular curricular offering.

It will continue to be the policy of the Wyoming Area School District to issue one standard diploma to all students meeting minimum graduation requirements. However, the permanent record (and any subsequent transcript) will indicate which area of study the student successfully completed in earning his/her diploma.

SUGGESTED ACADEMIC/SEQUENCE

HONORS

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE12</u>
ENG. HON. 9	ENG. HON. 10	ENG. HON. 11	A/P HON. ENG. 12
AM. CUL. HON. 9	W. CUL. HON. 10	A/P / HON. SOC.ST.	A/P HON. SOC. ST.
ACC. GEO.	ACC. ALG. 2	ACC. TRIG/ANAL.GEO	A/P CAL.
BIOLOGY 1	MOVE & MUSIC	PRE-CALCULUS 11	SCI. ELEC.
PHY ED.	CHEMISTRY 1	PHYSIC 1 & SCI. ELEC	PHY ED.
HEALTH	PHY ED.	PHY ED.	FAM & CON ISSUES
FRN. LANG.	FRN. LANG.	FRN. LANG.	FRN. LANG.
INTRO. TO WEB DESIGN	COMPUTER ELEC.	COMPUTER ELEC.	COMPUTER ELEC.

COLLEGE PREP (MATH/SCI)

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE12</u>
ENGLISH 9	ENGLISH 10	ENGLISH 11	ENGLISH 12
AM. CUL. 9	WLD. CUL. 10	AM. CULT. 11	12 TH GR. SOC. STU.
ACC. GEO.	ACC. ALG. 2	ACC. TRIG/ANAL.GEO	CAL./HON. CAL./PRE.CAL.12
BIOLOGY 1	MOVE & MUSIC	PHYSIC 1 & SCI. ELEC	SCI. ELEC.
PHY ED.	CHEMISTRY 1	PHY ED.	PHY ED.
HEALTH	PHY ED.	COMPUTER ELEC.	FAM & CON ISSUES
FRN. LANG.	FRN. LANG.		COMPUTER ELEC.
INTRO. TO WEB DESIGN	COMPUTER ELEC.		

COLLEGE PREP (LIBERAL ARTS)

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE12</u>
ENGLISH 9	ENGLISH 10	ENGLISH 11	ENGLISH 12
AM. CUL. 9	WLD. CUL.	AM. CULT. 11	12 TH GR. SOC. STU.
GEOMETRY	ALG. 2	TRIG. / ANAL. GEOM.	MATH ELEC.
E/S/ENV. SCI.	BIOLOGY 1	CHEMISTRY 1	SCI. ELEC.
PHY ED.	PHY ED.	PHY ED.	PHY ED.
HEALTH	MOVE & MUSIC	FRN. LANG.	FAM & CON ISSUES
FRN. LANG.	FRN. LANG.	COMPUTER ELEC.	COMPUTER ELEC.
INTRO. TO WEB DESIGN	COMPUTER ELEC.		

COLLEGE PREP (ACCT./MGMT)

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE12</u>
ENGLISH 9	ENGLISH 10	ENGLISH 11	ENGLISH 12
AM. CUL. 9	WLD. CUL.	AM. CULT. 11	12 TH GR. SOC. STU.
GEOMETRY	ALG. 2	TRIG. / ANAL. GEOM.	MATH ELEC.
E/S/ENV. SCI.	BIOLOGY 1	SCI. ELEC.	SCI. ELEC (OPTIONAL)
PHY ED.	PHY ED.	PHY ED.	PHY ED.
HEALTH	MOVE & MUSIC	ACCTG 1	ACCTG 2
FRN. LANG.	FRN. LANG.	COMPUTER ELEC.	FAM & CON ISSUES
INTRO. TO WEB DESIGN	COMPUTER ELEC.	CAREER TECH. ELEC	CAREER TECH. ELEC

CAREER TECHNOLOGY

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE12</u>
ENGLISH 9	ENGLISH 10	ENGLISH 11	ENGLISH 12
AM. CUL. 9	WLD. CUL. 10	AM. CULT. 11	SOC. STU. 12
GEOMETRY	ALG. 2	TRIG. / ANAL. GEOM.	FIN. TECH. APP.
GEN SCIENCE	MOVE & MUSIC	SCIENCE ELEC	COMPUTER ELEC.
PHY ED.	INTRO TO BIOLOGY	COMPUTER ELEC.	PHY ED.
HEALTH	PHY ED.	PHY ED.	FAM & CON ISSUES
INTRO. TO WEB DESIGN	COMPUTER ELEC	ACCOUNTING 1	ACCOUNTING 2
ELECTIVES			CAREER TECH. ELEC

GRADE REPORTING

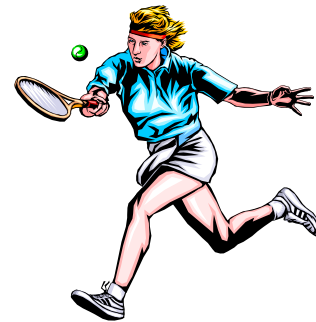
Student report cards are issued following each quarterly (nine-week) marking period. The grading system currently in effect at Wyoming Area High School is as follows:

<i>LETTER GRADE</i>	<i>QUA. PTS</i>	<i>NUM. EQ.</i>
A	4.0	95-100
A-	3.5	90-94
B	3.0	85-89
B-	2.5	80-84
C	2.0	75-79
C-	1.5	70-75
D	1.0	65-69
F	0.0	BELOW 65

- M MEDICAL EXCUSE
- W WITHDREW FROM THE COURSE
- I INCOMPLETE

EXTRACURRICULAR ACTIVITIES

In addition to the varied academic programs offered to students of Wyoming Area High School, each boy and girl is afforded the opportunity to participate in any one of the many extracurricular activities developed to supplement their total high school experiences.



HEALTH & PHYSICAL EDUCATION

001 ADAPTIVE PHYSICAL EDUCATION 1ppw 0.20cr YR

This program is designed for the exceptional student who is unable to participate in a regular physical education program. The program will vary to meet the individual needs, as recommended by the combined team of physician, physical educator, and parents of the student. An outline of the exceptional student's program is to be initiated in writing by the physician through the school nurse and carried out by the physical education teacher.

003 PHYSICAL EDUCATION 9 & 10 1ppw 0.20cr YR

005 PHYSICAL EDUCATION 11 & 12 1ppw 0.20cr YR

Physical Education is a required course in each high school grade. The courses are designed to meet the physical, mental, and social needs of the whole child and to improve physical fitness, increase knowledge and skills of lifetime sports and develop awareness of health practices. At the beginning of each nine-week period, a new set of courses is offered. The program includes team, lifetime, and individual sports and physical fitness offerings. The following activities can be scheduled: basketball, fitness walking / jogging, swimming, volleyball, aerobics, flag football, tennis, mushball, Whiffleball, Dodgeball, gym hockey, and calisthenics / stretching. Classes are coeducational.

015 HEALTH 2ppw 0.40cr YR

This course is designed to enable a student to improve his/her health habits and understandings to the extent that they develop optimism, physical fitness and personal awareness and competence. Included in the course are such topics as the body systems; mental, social, and person hygiene; prevention of diseases; personal safety; community health problems; and training in adult and child CPR including AED use. Classes are co-educational.



ENGLISH

All students in grades 9-12 must receive 1 credit in Traditional English each year in order to meet graduation requirements.

115 *ENGLISH 9* *5ppw* *1.0cr* YR

This course places emphasis on the basic skills of composition. A wide range of literature will be studied for analysis and pleasure. Moreover, a project will be submitted as a course requirement.

116 *ENGLISH HONORS 9* *5ppw* *1.0cr* YR

In addition to the study of composition, this course will focus on an understanding of drama, the novel, the language of poetry and the literary elements of the short story: plot, setting, theme, climax, resolution and writing techniques.

117 *ENGLISH 10* *5ppw* *1.0cr* YR

The purpose of this course is to introduce the student to the various sentence structures that make writing effective. It also includes a study of literature, vocabulary, and spelling. Written compositions will be based on literary works and various topics assigned by the teacher.

118 *ENGLISH HONORS 10* *5ppw* *1.0cr* YR

Included in this course is the study of the major types of literature: the short story, non-fiction, poetry, drama, the epic, and the novel. Composition is integrated with literature and involves creative responses to specific literary works. Some attention is also given to preparation for the SAT test.

Prerequisite: 3.0 average in English Honors 9 or a 3.5 average in English 9.

120 *APPLIED COMMUNICATIONS 10* *5ppw* *1.0cr* YR

Students will work with problem-solving situations that occur in the job world. Reading, writing, listening, and speaking skills will be covered for students to achieve their personal and occupational goals. Among the topics to be covered are: communicating in the workplace, using problem-solving strategies, starting a new job, and communicating with co-workers. Selections in literature that relate to the topics will also be covered. All aspects of the class are based on performance incentives.

121 *ENGLISH 11* *5ppw* *1.0cr* YR

This course will offer College Bound students an opportunity to reinforce their basic skills in writing, reading, listening, and speaking while exploring American Literature.



130 ENGLISH HONORS 11 5ppw 1.0cr YR

This course includes the reading and analysis of fiction, non-fiction and poetry. Emphasis is on critical thinking, the individual writer's styles and the value of literature as weighed against moral, spiritual and humanistic standards. Examples of prose from various fields and periods will serve as models. Students must be able to write a well developed essay or Students must have solid essay writing skills. Prerequisite: 3.5 average in English 11 or 3.0 average in English 10 Honors.

131 APPLIED COMMUNICATIONS 11 5ppw 1.0cr YR

Students will work on a semester project creating a learning contract to address the outcomes they hope to achieve in this class and they will implement the contract. Increased emphasis on their reading, writing, and listening, and speaking skills will be covered so that students can begin to focus on their vocations. Among the topics to be covered are: participating in groups, following and giving directions, communicating with superiors, and presenting point of view. Selections in literature that relate to the topics will be covered; in addition, a novel will be studied. Students will continue to work on performances based incentives to improve their understanding of the topics. Prerequisite: Applied Communication 10

141 A.P. ENGLISH 12 5ppw 1.0cr YR

Do you write well? Would you like to make your writing better? This course is designed for the serious writers who want to take the AP exam. It will also include speech, English literature, the research paper and the senior project. Prerequisite: Students intending to enroll in this course must have a 3.5 average in English Honors 11 and the teacher's recommendation.

142 HONORS ENGLISH 12 5ppw 1.0cr YR

This course is designed for students who enjoy reading and writing. It will include the study of English literature and the writing process. The emphasis will be on improving writing through journals and compositions. It will include speech, the research paper and the senior project. Prerequisite: Students intending to enroll in this course must have a 3.0 average in English Honors 11 or a 3.5 average in English 11 and the teacher's recommendation.

143 ENGLISH 12 5ppw 1.0cr YR

This course will offer college-bound students an opportunity to reinforce their basic skills in writing, reading, listening and speaking while exploring English Literature. It includes a research paper and the senior project.

144 APPLIED COMMUNICATIONS 12 5ppw 1.0cr YR

A continuation of all the topics covered in Applied Communications 10 and 11 with an increased emphasis on applying them not only to a work-related field, but to all aspects of life. The final topics to be covered will be: communicating with clients and customers, making and responding to requests, communicating to solve inter-personal conflicts, evaluating performances, upgrading, retraining and changing jobs, improving the quality of communications. The students will continue to implement learning contracts and continue to focus on their occupational goals and improve their life skills. Selections in literature that relate to the topics will be covered; in addition, a novel will be studied. Students will be required to interview a person currently employed in the profession that they are interested in entering. Students will apply performance-based incentives from Applied Communications 10 and 11 to real life occupations. Prerequisite: Applied Communication 11

* 163

CREATIVE WRITING/JOURNALISM

5ppw

1.0cr

YR

Creative writing offers students opportunities to express themselves in a creative and original manner. During the year the class examines representative works by various authors of different genres. After studying components of each genre, students, through a sequence of pre-writing, drafting, revising, and peer-edition, produce their own poems, essays, a short story, and a children's book.

This elective will emphasize interviewing, reporting, and writing for publication. It will also stress newspaper and magazine production skills. After introductory training in journalistic writing style, students will write news stories, features, sports stories, and editorials for public relations. Each student will attempt to have at least one article printed in the school newspaper, yearbook, or in another publication.

* 172

COMMUNICATIONS SEMINAR

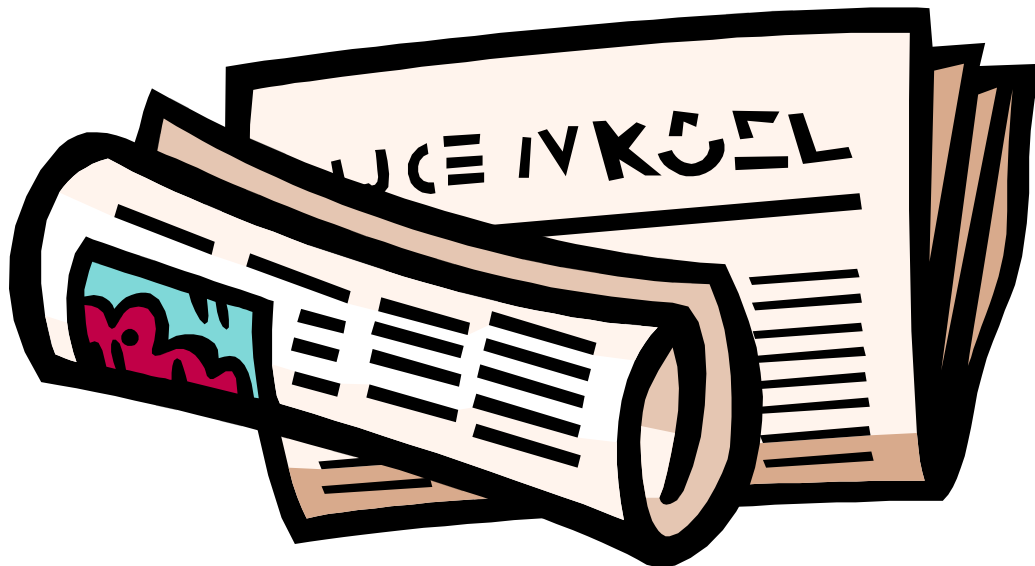
5ppw

1.0cr

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This course, available for sophomores only, will provide students with opportunity to further the written and oral skills necessary for effective communication in today's world. Students will be given strategies and techniques to improve their writing, reading and speaking, and they will be evaluated by rubrics consistent with those utilized on state assessments.

* The above courses cannot be used as English credits to satisfy graduation requirements.



SOCIAL STUDIES

211 *AMERICAN CULTURE 9* *5ppw* *1.0cr* YR

This course is intended to expose every student to a realistic and relevant overview of the development of American culture and democracy. An emphasis is also placed on the Pennsylvania and Wyoming Valley as a source of cultural history, through in-class and independent research projects. Each student is asked to collectively and independently analyze and explore the related social sciences (history, political science, sociology, economics, and geography) so that inter-relationships of our cultural heritage can be understood and appreciated.

220 *AMERICAN CULTURE 9 HONORS* *5ppw* *1.0cr* YR

This ninth grade Honors program is built upon the content of the regular American Culture 9 curriculum. The course consists of concepts ranging from Exploration, Colonization, Liberty, Nationalism, Sectional Conflict and Democracy. The course attempts to enrich the student by developing higher level social studies skills, such as analysis and interpretation of original source material. Students work collectively and independently and are expected to take an active part in all class activities. The evaluation of the student will place much emphasis on his/her class participation and library assignments.

221 *WORLD CULTURE 10* *5ppw* *1.0cr* YR

This course is a history of people and the cultures covering the time span of the Renaissance to modern times (13th to 20th centuries). The course is designed to help students improve or acquire certain basic social science or language art skills, such as data gathering and evaluation, making inferences, hypotheses and generalizations. A combination of teaching methods include inquiry, lecture and discussion will be used in teaching this course.

230 *WORLD CULTURE 10 HONORS* *5ppw* *1.0cr* YR

This course is built upon the concept of the World Culture 10 curriculum. There will, however, be greater emphasis and involvement in the presentation of outside material and other closely related subject matter. This course is required for students who plan to take the Advanced Placement European History Examination.

231 *AMERICAN CULTURE 11* *5ppw* *1.0cr* YR

This course is designed to develop traditional, as well as inquiry attitudes, values, and knowledge concerning selected aspects of American life. Reconstruction to the Progressive Movement, Expansion of American Power and Influence, the 20's and the Great Depression, and World War II to the Present are four areas that will be covered.

233 *AMERICAN CULTURE 11 HONORS* *5ppw* *1.0cr* YR

This course is designed to take a historical inquiry approach. It strives to develop an appreciation of the cultural diversity, geography, democratic values, economics, and global relations that have shaped America's course from Reconstruction to the Present. Thematic strands address the needs of the student today: culture; time; continuity and change; people, places, and environments; individual development and identity; individual groups and institutions; power, authority, and governance; global connections; and civic ideals and practices. The class methodology will vary depending on the topics being covered and standards addressed. Finally, the course allows the student the opportunity to demonstrate and refine his or her learning style.

239 A.P./HON. EUROPEAN HIST. 5ppw 1.0cr YR

A.P. European History is an introductory level college course designed for accelerated social studies students. The course will cover the history of Europe from the Middle Ages to the post-World War II period. Emphasis will be placed on reading, analysis of factual information and independent essay writing. The course will be directed at preparing the student for the Advanced Placement Examination.

240 A.P./HON. AMERICAN HIST 5ppw 1.0cr YR

A.P. American History is an introductory level college course designed to serve accelerated social studies students. The course will cover the entire scope of American History from Colonial America to post-World War II. Heavy emphasis will be placed on reading, analysis of factual information and independent essay writing. The course will be directed toward preparing the student to take the advanced Placement Examination.

241 AMERICAN GOVERNMENT 5ppw 1.0cr YR

This course seeks to examine the most important features of the formal structure and functions of our governmental system. It stresses political, social, economic processes of American culture. The course emphasizes comparative governments, the issues of our economy, individual rights, the criminal justice system, and any relevant matter deemed appropriate. The student will use materials from history economics, philosophy and jurisprudence to build a framework of analysis necessary for understanding our unique system of government.



242 AP/HON.AM. GOVT/POLITICS 5ppw 1.0cr YR

This course is intended for qualified students who wish to complete studies equivalent to a college introductory course. the course involves the study of general concepts and specific case studies. Topics to be explored include: The Constitutional Underpinnings of American Government; Political Beliefs and Behavior; Political Parties and Special Interest Groups; Institutions and Policy Processes of National Government, and Civil Rights and Civil Liberties. Students are prepared to take the Advanced Placement test to receive college credit for the materials covered.

243 21ST. CENTURY GREAT ISSUES/COMPARATIVE IDEOLOGIES/ 5ppw 1.0cr YR

During the first semester students will turn to issues of our day. 21st Century Great Issues will examine contemporary events by incorporating material from varied media sources. Students will be expected to do all reports and participate in all discussions. Individual and group reports will be made daily on topics ranging from international, national, state and local news, including topics of special interest.

Comparative Ideologies is a course that examines four political and economic ideologies that have had a great impact on the culture and history of the world: Communism, Fascism, Capitalism and Socialism. Students will explore the historical background, evolution, characteristics, strengths and weaknesses of each system. Students will undertake a comparative analysis of each and will become articulate in expressing the philosophy of each ideology.

245 SOCIOLOGY

5ppw

1.0cr

YR

The study of sociology examines the ways people interact with one another. It involves learning about relationships within groups, social institutions, and the organization of societies. The course deals with cultures, cultural values, norms, sanctions, and deviations. Time spent on current social problems such as crime, juvenile delinquency, and drug and alcohol abuse are also included in this course. Supplementing the course will be CNN TV newsroom news for schools, current events, filmstrips, local newspapers and WVIA programs.

246 PSYCHOLOGY

5ppw

1.0cr

YR

This course introduces the student to the field of psychology and surveys the nature, aims, and methods of psychology as a science. The course is especially suitable for students who may want a foundation for work in specialized branches of psychology, social work, counseling, law, education, medicine and nursing. It is designed for college and non-college bound students to help increase their understanding of human behavior, to promote career information through speakers, discussions, interviews, and seminars conducted by professionals in the various related fields. The course serves to provide a theoretical as well as practical background in psychology. Students are encouraged to develop an understanding of one's self, and a tolerance for others through various activities such as active participation in class assignments, guest speakers, outside readings, suicide and depression, child abuse, etc.

247 A.P.HON. ECONOMICS

5ppw

1.0cr

YR

The A.P. Economics course is a comprehensive college survey-level course. Macroeconomics: concerned with the economy as a whole or with the basic subdivisions or aggregates; Microeconomics: concerned with specific economic units and detailed consideration of the behavior of these units, are studied to foster economic understanding, thinking and analysis. Emphasis is placed on analytical and writing skills in preparation for the Advanced Placement Examination.

NOTE: Students selecting either Sociology or Psychology to satisfy their 12th grade Social Studies track requirements must have attained a final grade of 3.0 in their 11th grade Social Studies course.

21st Century Great Issues / Comparative Ideologies is an elective and must be taken along with a 12th grade Social Studies.



362 FRENCH 3

5ppw

1.0cr

YR

French 3 continues with the learning of the four (4) basic skills of language learning. It explores the language written and spoken, along with cultural aspects of France. Added to this will be a study of French authors and their techniques and literary styles. The Little Prince along with other works of French authors will be read and discussed.

371 SPANISH 4

5ppw

1.0cr

YR

Spanish conversation and pronunciation as well as advanced grammar and writing are stressed in this course. Materials used include the 1000 word dictionary, the Destino textbook, an advanced grammar workbook is continued from Spanish 3, and the Destino series videotapes are continued to conclusion. The verb index will also add to materials used and studied. All of these will be tested regularly, and the National Spanish exam will be offered to all students selecting Spanish 4. Students will be expected to write, speak, and comprehend the Spanish language with some degree of efficiency. Students must have teacher approval to select this course.

372 FRENCH 4

5ppw

1.0cr

YR

A Multimedia approach to the learning of the language continues. Videos, cassettes, workbooks and texts are all used so that the students will comprehend the language. Students' participation is a must for the course if they are to attain the full benefit of comprehending, speaking and writing. In addition, twelve art eras will be taught, along with the current styles of French Literature and culture. The learning of tenses will continue along with sentence structure. Students must have teacher approval to select this course.



Please note: If the number of periods per week (ppw) is not stated, the class meets 5 times per week.

PHYSICAL EDUCATION

001 Adaptive Physical Education	(9-12)	
003 Physical Education (9 & 10)	(9-10)	(1ppw)
005 Physical Education (11 & 12)	(11-12)	(1ppw)
015 Health Education	(9)	(2ppw)

ENGLISH

115 English 9	(9)	
116 English Honors 9	(9)	
117 English 10	(10)	
118 English Honors 10	(10)	
120 Applied Communications 10	(10)	
121 English 11	(11)	
130 English Honors 11	(11)	
131 Applied Communications 11	(11)	
141 A.P. English 12	(12)	
142 Honors English 12	(12)	
143 English 12	(12)	
144 Applied Communications 12	(12)	
163 Creative Writing/Journalism	(11-12)	
172 Communications Seminar	(10)	

SOCIAL STUDIES

211 American Cultures 9	(9)	
220 American Cultures Honors 9	(9)	
221 World Cultures 10	(10)	
230 World Cultures Honors 10	(10)	
231 American Cultures 11	(11)	
233 American Cultures Honors 11	(11)	
239 A.P./Honors European History	(12)	
240 A.P./Honors American History	(11)	
241 American Government	(12)	
242 A.P./Honors American Govt. & Politics	(12)	
243 21st Cent Gr. Issues/Comp. Ideology	(12)	
245 Sociology	(12)	
246 Psychology	(12)	
247 A.P./Honors Economics	(12)	

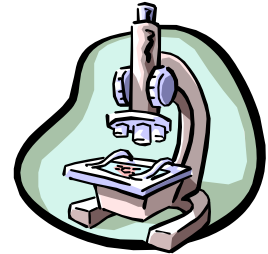
FOREIGN LANGUAGE

341 Spanish 1	(9-12)	
342 French 1	(9-12)	
351 Spanish 2	(9-12)	
352 French 2	(9-12)	
361 Spanish 3	(10-12)	
362 French 3	(10-12)	
371 Spanish 4	(11-12)	
372 French 4	(11-12)	

Please note: If the number of periods per week (ppw) is not stated, the class meets 5 times per week.

MATHEMATICS

412 Algebra 1	(9-11)
423 Geometry	(10-12)
424 Honors Geometry	(10-12)
433 Algebra 2	(9-12)
434 Honors Algebra 2	(9-12)
436 Trigonometry/Anal. Geom.	(11)
437 Honors Trig/Analytic Geom.	(11)
439 Honors PreCalculus 11	(11)
440 Precalculus 12	(12)
443 Math Topics	(12)
446 Honors Calculus	(12)
447 A.P. Calculus	(12)

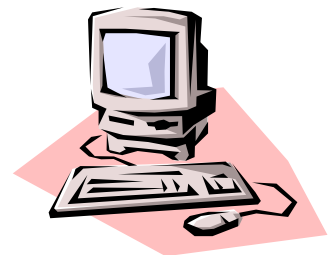


SCIENCE

510 Introduction to Biology	(10-12)	
515 Biology 1	(9-12)	(6ppw)
520 Intro. to Chemistry	(10-12)	
530 Ecology	(11-12)	
541 A.P. Biology / Biology 2	(11-12)	(6ppw)
542 Anatomy & Physiology	(11-12)	
543 Chemistry 1	(10-12)	(6ppw)
545 A.P. Chemistry / Chemistry 2	(11-12)	(7ppw)
546 Earth, Space & Environ. Sci.	(9-12)	
548 General Science	(9-12)	
549 Physics 1	(11-12)	(6ppw)
550 Conceptual Physics	(11-12)	(5ppw)
553 Nuclear & Organic Chemistry	(11-12)	(3ppw)
555 A.P. Physics / Physics 2	(12)	(6ppw)
556 Genetics	(12)	(3ppw)

CAREER TECHNOLOGY

622 Financial Technological Applications	(12)
640 Accounting 1	(10-12)
641 Accounting 2	(11-12)
644 Business Law	(11-12)
646 Economics	(11-12)
652 Introduction to Web Design	(11-12)
661 Multimedia Applications	(9-12)
663 Computer Integrated Software 1	(10-12)
664 Computer Integrated Software 2	(11-12)
665 Computer Programming 1	(11-12)
666 A.P. Computer Programming 2	(12)



Please note: If the number of periods per week (ppw) is not stated, the class meets 5 times per week.

TECHNOLOGY EDUCATION

710 Technology & Society	(9-12)	(2ppw)
725 Design Concepts	(11-12)	(3ppw)
761 AutoCad I (Drafting 1)	(9-12)	(3ppw)
764 AutoCad II (Drafting 2)	(10-12)	(3ppw)
767 AutoCad III (Drafting 3)	(11-12)	(3ppw)
768 AV Comm. & Digital Broad. I	(10-12)	(5ppw)
770 Information Technology 1	(10-11)	(5ppw)

FAMILY & CONSUMER SCIENCES

816 Child Care & Development	(10-12)	(3ppw)
818 Careers with Children	(11-12)	(2ppw)
821 Family & Consumer Issues	(12)	(2ppw)
831 Teens in Homemaking	(9)	(2ppw)
862 Food and Tech. / World of Foods	(10-12)	(3ppw)
868 Quilting	(12)	(3ppw)
869 Contemporary Foods	(9-12)	(2ppw)



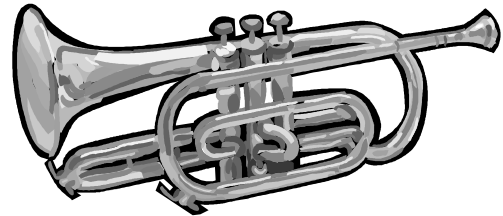
ART

915 Studio Art	(9)	(2ppw)
921 Crafts	(11-12)	(2ppw)
931 Drawing	(10-12)	(2ppw)
941 Printmaking	(10-12)	(3ppw)
951 3-D Design	(10-12)	(3ppw)
960 Painting	(10-12)	(2ppw)
961 Painting 2	(11-12)	(2ppw)
962 Digital Art	(10-12)	(2ppw)
963 Digital Art 2	(11-12)	(3ppw)
964 Ceramics	(11-12)	(3ppw)
965 Ceramics 2	(12)	(3ppw)

Please note: If the number of periods per week (ppw) is not stated, the class meets 5 times per week.

MUSIC

970 Guitar 1	(9-12)	(1ppw)
971 Guitar 2	(10-12)	(1ppw)
973 Band 1	(9)	(5ppw)
974 Band 2	(10-12)	(5ppw)
975 Band 3	(11-12)	(5ppw)
976 Band 4	(12)	(5ppw)
977 Music Theory	(10-12)	(3ppw)
978 Chorus 1	(9)	(5ppw)
979 Chorus 2	(10-12)	(5ppw)
980 Chorus 3	(11-12)	(5ppw)
981 Chorus 4	(12)	(5ppw)
982 Jazz/Rock History	(9-12)	(2ppw)
983 Jazz Ensemble	(9-12)	(2ppw)
984 Movement/Music	(10)	(1ppw)
985 Movement/Music 2	(11-12)	(1ppw)
986 Movement/Music 3	(12)	(1ppw)
987 Music History	(10-12)	(2ppw)
989 Guitar Ensemble 1	(9-12)	(3ppw)
990 Guitar Ensemble 2	(10-12)	(3ppw)
991 Guitar Ensemble 3	(11-12)	(3ppw)
992 Guitar Ensemble 4	(12)	(3ppw)
993 Contemporary Music	(11-12)	(1ppw)



GUIDANCE

1000 College & Career Planning

(11)

(1ppw)

MATHEMATICS

412 ALGEBRA 1 5ppw 1.0cr YR

This course in Algebra provides a new approach to the study of mathematical relationships through the use of variables. Topics include real numbers, algebraic and rational expressions, solving equations and inequalities, exponents, polynomials, and graphing linear equations. Prerequisite: Pre-Algebra

423 GEOMETRY 5ppw 1.0cr YR

Geometry is a course that presents a logical structure of geometric truths based on a small number of assumptions and postulates. Topics include the nature of proof, theorems on triangles, parallel lines, perpendicular lines, polygons, circles, proportions, similarity, area, and volume. Prerequisite: Algebra 2

424 HONORS GEOMETRY 5ppw 1.0cr YR

Topics are essentially the same as those in Geometry except that more challenging problems are included. Prerequisite: 3.0 in Honors Algebra 2 or 3.5 in Algebra 2

433 ALGEBRA 2 5ppw 1.0cr YR

Algebra 2 continues to develop techniques to solve mathematical problems using skills learned in Algebra 1. Topics include solving equations and inequalities, factoring, rational expressions, roots and radicals, quadratic equations, graphing linear and quadratic functions, systems of linear equations and inequalities, sequences and series, probability, and statistics. Prerequisite: Algebra 1

434 HONORS ALGEBRA 2 5ppw 1.0cr YR

This course provides a strong background in Algebra for students who plan to pursue a career in mathematics, science, or technology. More challenging problems are included along with additional topics such as quadratic and rational inequalities. Prerequisite: 3.0 in Honors Algebra 1 or 3.5 in Algebra 1

436 TRIGONOMETRY/ANAL. GEOM 5ppw 1.0cr YR

Trigonometry develops methods for indirect measurement and solving related problems. The techniques learned in this course have applications in engineering, surveying, electronics, architecture and other fields of science. Topics include the trig functions, solutions of right and oblique triangles, radian measure, graphs of trig functions, trig identities and equations, inverse trig functions, and conic sections. Analytic geometry topics include complex number system, quadratic and rational inequalities, domain and range, graphs of linear, quadratic, cubic, and exponential functions. Prerequisites: Algebra 2 and Geometry

437 HONORS TRIG/ANAL. GEOMETRY 5ppw 1.0cr YR

Topics are essentially the same as those in Trigonometry/Analytic Geometry, except that more difficult problems are included and optional topics such as polar coordinates and circular functions may be covered. Prerequisite: 3.0 in Honors Geometry or 3.5 in Geometry

439 HONORS PRECALCULUS 11 5ppw 1.0cr YR

Honors Precalculus is required for juniors planning to take AP Calculus in their senior year. It is strongly recommended, but not required, for juniors who wish to take Honors Calculus in their senior year. This course includes college level Algebra topics, including rational exponents, variation, polynomial and logarithmic functions, and an introduction to limits and continuity.

Prerequisites: 3.0 in Honors Geometry or 3.5 in Geometry and enrolled in Honors Trig/Ana Geom

440 PRECALCULUS 12 5ppw 1.0cr YR

Precalculus 12 is offered to seniors who may be required to take a Calculus course in college. This course will include topics such as rational exponents, logarithmic and exponential functions, as well as an introduction to limits and continuity.

Prerequisites: Trig/Analytic Geom or Honors Trig/Analytic Geom

443 MATH TOPICS 12 5ppw 1.0cr YR

This course is offered for students who will be required to take a non-Calculus based math course in college. It will include topics in college-level Algebra with an emphasis on SAT type problems, Trigonometry, Analytic Geometry, and Probability and Statistics.

Prerequisites: Algebra 2 and Geometry

446 HONORS CALCULUS 5ppw 1.0cr YR

This course is comparable to one semester of Calculus in college. Topics include limits and continuity, derivatives and applications of the derivative, integration with applications in finding areas.

Prerequisite: 3.0 average in Honors Trig/Analytic Geom and Honors Precalculus 11

447 A.P. CALCULUS AB 5ppw 1.0cr YR

This college level course is offered to students who desire advanced college credit in Calculus. Topics include limits and continuity, derivatives and applications of the derivative, integration with applications in finding areas and volumes, and logarithmic and exponential functions. Students taking this class will be expected to take the AP Calculus AB Exam.

Prerequisite: 3.5 combined average in Honors Trig/Analytic Geometry and Honors Precalculus 11



SCIENCE

510 INTRO. TO BIOLOGY 5ppw 1.0cr YR

Introduction to Biology is a course designed to provide a basic background in biology. Students taking this course will experience a wide-range of topics that relate biology to life, work, society and the environment, with emphasis on the scientific method, organic and inorganic compounds, biological processes, unicellular and multi-cellular characteristics, genetics and the diversity of life. Students taking this course will have the knowledge and skills to pursue any technical career related to biology or to complete a basic college-level biology course.

515 BIOLOGY 1 6ppw 1.20cr YR

Biology 1 is a laboratory-oriented course designed to help students discover biology through inquiry and investigation. The course stresses the unity among living things, while showing their diversity. Biology 1 also centers on genetic continuity of life and genetic change through time. Prerequisite: (Grade Nine Only) In order to qualify for Biology 1 the student must have completed Advanced Science 8 with a 3.0 average and/or the teacher's recommendation.

520 INTRO. TO CHEMISTRY 5ppw 1.0cr YR

Introduction to Chemistry is a laboratory-oriented course designed to provide a basic background in chemistry. Students taking this course will experience a wide-range of topics that cover the basic concepts of chemistry: measurement and the metric system, matter and energy, atomic and electronic structure, the periodic table, chemical bonding and reactions. Students successfully completing this course will have the core knowledge to pursue other chemistry courses.

530 ECOLOGY 5ppw 1.0cr YR

This course deals with the inter-relationships between plants and animals and the interaction between living organisms and their physical environment. Students enrolled in this course will participate in individual and groups projects while examining ecosystems and their interactions, evolution, population ecology, biodiversity, agricultural methods and biotechnology. Students will explore the impact of human activity on the environment and the environmental laws and regulations that govern them.

541 A.P.BIOLOGY/BIOLOGY 2 6ppw 1.20cr YR

Advanced Placement Biology is a college-level course intended for those students interested in careers in scientific or medical fields such as biology, nursing, medicine, dentistry, animal science, pharmacy, medical technology, or environmental science. The course consists of a review of Biology 1 followed by an in-depth study of the cell and cellular processes, photosynthesis, enzyme theory, heredity, DNA and genetics. There will be extensive laboratory experimentation covering the required AP Biology experiments. Students intending to enroll in this course must have permission of their Biology 1 teacher, guidance counselor, a 3.0 average in Biology 1 and above average grades in mathematics. In order to meet the necessary science standards, students must take Physics 1 and Chemistry 1 either concurrently or before taking this course. Students who intend to take the AP Biology Exam will do additional independent work and laboratory experimentation to meet the stringent requirements of the AP testing program.

*542 ANATOMY AND PHYSIOLOGY 5ppw 1.0cr YR

This course deals with the study of the human organism on a cellular level with emphasis on cell organelles and their specific function. The major body systems of man - skeletal, muscular, nervous, digestive, respiratory, circulatory, endocrine, and the reproductive system - are studied in detail. This course would be beneficial to students intending to major in biology, nursing, medicine, dentistry, animal science, pharmacy or medical technology.

Prerequisite: Biology 1

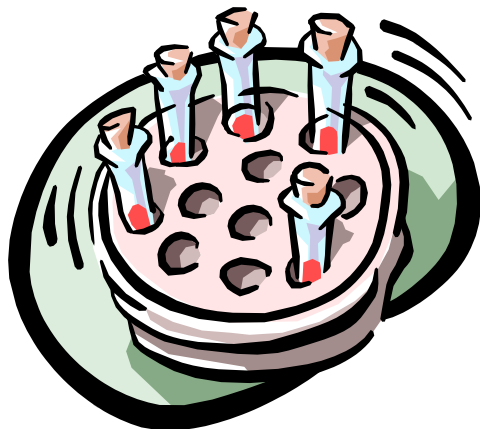
543 CHEMISTRY 1 6ppw 1.20cr YR

This course is a laboratory-oriented course designed for students interested in careers in scientific and technological fields such as chemistry, biology, physics, medicine, nursing, pharmacy, medical technology, veterinary science, physical therapy or engineering. The course covers the basic theories and concepts of chemistry including physical states of matter and atomic structure, the periodic table, bonding, the mole concept, formulas and equations, with emphasis on problem solving. Students enrolling in this course should have a solid Algebra background. Tenth grade students taking this course must have the recommendation of their current science teacher and have completed or be enrolled in Algebra 2.

545 A.P./CHEMISTRY 2 7ppw 1.40cr YR

AP Chemistry is a college-level course intended for those students intent on pursuing careers in scientific or medical fields, such as chemistry, chemical engineering, physics, biology, pharmacy, medical technology, nursing, medical or animal science, or environmental science. The course consists of a brief review of Chemistry 1 followed by an in depth study of stoichiometry and the mole concept, gas laws, equilibrium, kinetics, thermodynamics, electrochemistry, acids and bases, solutions, atomic structure and bonding. The course emphasizes the role of chemical calculations in theoretical and experimental work. There will be extensive laboratory work based on experiments suggested by the College Board. Students who wish to take this course must have the permission of their chemistry teacher and guidance counselor, a 3.0 average in Chemistry 1, and must take Physics 1 and Calculus (preferably AP Calculus) either concurrently or before taking this course. Students who wish to take the AP Examination in Chemistry will do additional independent problem solving and laboratory work to meet the stringent requirements of the AP testing program.

* The above courses cannot be used as science credits to satisfy graduation requirements.



This course is designed for the ninth grade student who is not yet sure of future science interests. Major topics covered include astronomy, geology, oceanography, meteorology and the earth's environment. Students are challenged to develop and practice good critical thinking skills including the ability to analyze, synthesize, and apply scientific information. There will be extensive laboratory experiments and investigations.

This course is designed to complete the backgrounds of students as they prepare for a more in-depth study of science topics on the high school level. It continues the activity-inquiry approach of previous science courses with emphasis on Earth and Environmental Science. Emphasis will be on laboratory investigations and group work.

This course is a laboratory-oriented course designed for students interested in careers in scientific and technological fields such as chemistry, biology, physics, engineering, computer science, medicine, physical therapy, occupational therapy, nursing, pharmacy, medical technology, animal science or engineering. This course is intended to provide students with a strong foundation in the area of mechanics including wave motion with special emphasis on light and sound. The curriculum involves problem-solving methods and laboratory experiments in dealing with the interrelationships between matter and energy. All students enrolled in this course must have a background in mathematics and algebra and should take some level of chemistry and trigonometry either before taking this course or concurrently.

This course is specifically designed for students who would like to complete their science background and satisfy the basic physical science standards outlined by the state department of education. It will primarily emphasize laboratory-oriented activities and their connection to "real-life" applications. Basic relationships involved in the study of motion, force, energy, work, and power will be explored as well as additional topics such as light, sound, and electricity. This course offers an approach to physical concepts without the use of advanced high school mathematics. It is not intended to replace Physics I for students in the college prep (math/science) curriculum. Prior to taking this course, students must successfully complete Algebra I, Geometry, and Chemistry or Introduction to Chemistry.



553 *NUCLEAR AND ORGANIC CHEMISTRY* 3ppw 0.60cr YR

The first half of this course will survey the major topics of nuclear science including nuclear reactions, fission, fusion, nuclear reactors, half-life, radiocarbon dating, biological effects of radiation and uses of radiation. There will also be an extensive study of the nuclear accident at Chernobyl. The second half of the course will survey the major topics of organic chemistry, the study of carbon compounds. Areas to be covered include hydrocarbons, alcohols, acids, esters and amines with emphasis on everyday organic chemicals. Nuclear and Organic Chemistry would be beneficial to students preparing for careers in chemistry, chemical engineering, biology, biochemistry, animal science, environmental science, medicine, nuclear medicine, nursing, pharmacy, physical therapy and dental hygiene. Students must complete Chemistry 1 and must have the permission of their chemistry teacher to take this course.

555 *A.P.PHYSICS/PHYSICS 2* 6ppw 1.20cr YR

This course is offered as a continuation of Physics 1. Students interested in pursuing degrees in scientific, technological or medical fields should take this course to complete their background. The course will provide the student with an experience similar to what they might expect on the college level. The curriculum will concentrate primarily on the areas of mechanics on an advanced level and will include a calculus-based approach to many topics. Additional areas of study will include electricity, magnetism, optics and wave motion. The mathematical analysis of the concepts discussed will be reinforced through demonstrations, projects and laboratory experiments. All students enrolled in this course must have a 3.0 average in Physics 1. In addition, the student must have a background in Chemistry 1, Trigonometry and Analytical Geometry, and must take some level of Calculus concurrently with this course. Students who wish to take the A.P. Examination in Physics must also take A.P. Calculus and should also be prepared to do independent laboratory work and problem solving in order to meet the stringent requirements of the AP testing program.

556 *GENETICS* 3ppw 0.30CR. YR

This course will survey the major topics of Genetics. Students will investigate the history of genetics, the discovery of the gene with emphasis on Mendelian Genetics and the work of Watson and Crick, the biochemical structure of DNA, RNA and their role in determining the transmission of heredity, protein synthesis, genetic disorders and their causes, the mapping of the human genome, genetic testing with consideration of the ethical issues related to its use, and gene therapy and cloning. Genetics would be beneficial to students preparing for careers in biology, chemistry, biochemistry, microbiology, genetic engineering, medicine, nursing, animal science, family counseling as well as other related science fields. This course should not be taken in place of AP Biology and is beneficial to a student enrolled in AP Biology intending to take the AP Biology Examination. Students must have a solid background in Biology 1 and Chemistry 1 and may or may not be enrolled in AP Biology at the same time.

CAREER TECHNOLOGY

622 FINANCIAL TECHNOLOGICAL APPLICATIONS 5ppw 1.0cr YR

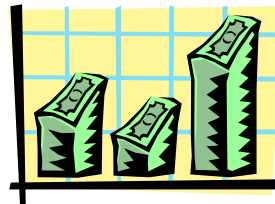
This course offers students a sound basis for personal finance and money management. Topics covered in detail include Gross/Net Income, Checking/Savings Accounts, Cash Purchases, Charge Accounts, Credit Cards, Loans, Housing Costs, Mortgages, Insurance and Investments. Additional topics discussed and explored are the purchasing of stocks, completion of tax forms as well as a discussion of the proper way to complete college applications, student loan and financial aid applications (FAFSA). The use of computers and the Internet search engines will be used throughout the course. This elective course is highly recommended for all seniors.

640 ACCOUNTING 1 5ppw 1.0cr YR

This course provides the student with a thorough introduction to the basic principles of accounting. The course will provide a foundation for the student whose career interest is to pursue a college degree in accounting and/or a related business field. Accounting 1 will provide a foundation of accounting concepts and principles helpful to perspective business majors. Computer technology will be used throughout the course to introduce student to automated accounting concepts and procedures. For students interested in gaining a greater knowledge of accounting concepts and principles, continued study in Accounting 2 is suggested.

641 ACCOUNTING 2 5ppw 1.0cr YR

This course is designed as a second course toward a career in the field of business. Accounting 2 will enable the student who intends to pursue a college degree in accounting or a related major the opportunity to obtain a solid business foundation. Topics include payroll records, department sales, branch sales, partnership records, and manufacturing records. Prerequisite: Accounting 1



644 BUSINESS LAW 5ppw 1.0cr YR

Business Law gives an overview of the constitution of the United States; discusses laws concerning minors, families, and consumers; and explains both criminal and civil court procedures. Incorporated into the class are videos from the "Peoples Court" and a mock trial. Study continues with the explanation of contract law, personal and real property, consumer protection and product liability, vehicle ownership, marriage and divorce laws. Successful completion of this course will provide a more adequate foundation for college bound students entering business administration or criminal justice and will provide much needed knowledge necessary for living away from home. More importantly, business law is used in everyone's daily life.

Economics will prepare the student to meet the financial challenges of adult life. The course deals with topics from the household budget to the national economy. Topics discussed include, but are not limited to capitalism, supply and demand, profit, tax revenue and government spending, stock market and other investments, inflation, money and banking, the national debt and international trade. The course incorporates numerous timely video clips, tests via video tape and an economic survival financial simulation. This course provides an adequate foundation for college bound students seeking a degree in marketing, economics or business administration. Economics is the world. Can you afford to miss this course?

652 INTRODUCTION TO WEB DESIGN

5ppw

1.0cr

YR

This course will allow students to create and develop basic and interactive websites using DreamWeaver CS4 software. The students will complete case study assignments based on fictional businesses as well as create an individual web site. Students will use the Internet to analyze and critique selected Web sites with regard to design principles and features.

661 MULTIMEDIA APPLICATIONS

5ppw

1.0cr

YR

This course will enable the Wyoming Area student the opportunity to meet the technological advances in their educational and career choices. Students will be introduced to the different types of hardware and software needed to produce multimedia presentations. Office Premium, which includes Word, PowerPoint, and Excel, which is the industry standard, will be introduced. Extending Internet searching skills will be further explored and practiced. Desktop publishing utilizing the industry standard software package Publisher will be implemented to design flyers, signs and newsletters. Visual Basic programming will be applied to enable the students an opportunity to experience computer programming concepts, which include writing, debugging and executing their own programs. FutureConnect software will be utilized throughout the year to explore possible college choices and career possibilities. Web page design utilizing appropriate software to revise and refine web pages will be reinforced, as well as developing, maintain and editing school and community-bases web pages.



663 *COMPUTER INTEGRATED SOFTWARE 1* 5ppw 1.0cr YR

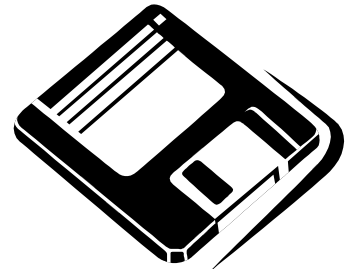
This course will offer students the opportunity to explore and increase computer proficiency by using Microsoft Office. This project-based course will allow students to become proficient in MS Word, MS PowerPoint, and MS Excel. Exposure to this course will enable the student to develop a professional portfolio, which includes word processing, desktop publishing, presentation software and spreadsheet/graphing projects. Students will also revise, update and maintain websites. This course will maximize students' effectiveness and proficiency in the use of computers Prerequisites: Multimedia Applications

664 *COMPUTER INTEGRATED SOFTWARE 2* 5ppw 1.0cr YR

This course is targeted for those students who intend to pursue a career in computers. It enables them to complete a three-year cycle on the secondary level. Students will become proficient in using MS Access, create an on-line newsletter, and produce a portfolio of professional quality work that is project oriented. It will integrate all aspects of Microsoft Office (Word processing, desktop publishing, spreadsheet/graphing, presentation software, and database management). Completion of this course will allow the students to relate more meaningfully to technology oriented professional careers.
Prerequisite: Computer Integrated Software 1

665 *COMPUTER PROGRAMMING 1* 5PPW 1.0CR YR

Computer Programming is a course designed for juniors and seniors who are interested in computer programming. This course will develop the students' critical thinking skills, logic skills, problem solving ability, AND SOFTWARE ENGINEERING SKILLS. It provides a solid hands-on introduction to the JAVA programming language. The students will learn the syntax rules, data types, mathematical and logical operators, and control structures needed to write object-oriented programs. Prerequisite: Minimum 3.0 average in Computer Integrated Software 1.

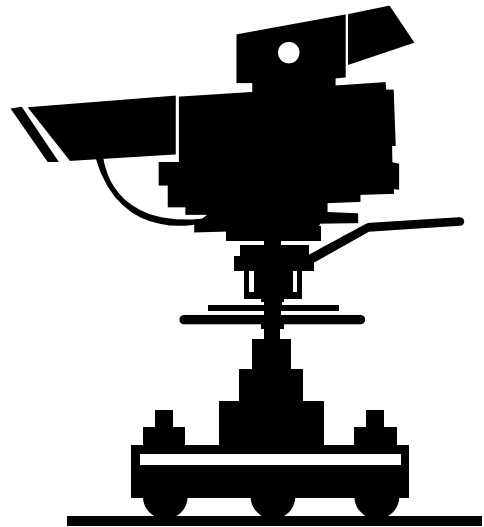


666 *A.P. / COMPUTER PROGRAMMING 2* 5ppw 1.0cr YR

AP Computer Programming 2 is intended for seniors who are interested in computer programming and already have the basic programming skills in Java covered in Computer Programming 1. This course uses the Java programming language to cover more advanced object-oriented programming topics and techniques. Topics include the implementation of advanced abstract data types, recursion, sorts, searches, files, stacks, and queues. The development of higher-level thinking skills and problem-solving ability is a major focus of this course.
Prerequisite: 3.0 average in Computer Programming 1.

This course examines the digital communication and production industry. It allows students to develop a basic understanding of video communication and the concepts and principles behind it. The course uses 'The Story of Movies', which is an interdisciplinary curriculum introducing students to classic cinema and the cultural, historical and artistic significance of film.

This course is designed to teach students the skills needed to plan, design, build, and maintain basic networks. This course is based on the CISCO System of Network Association Certification. This course will be taught online and the student may work at his / her own pace.



FAMILY AND CONSUMER SCIENCES

816 CHILD CARE & DEVELOPMENT 3ppw 0.6cr YR

This course is designed for students with an interest in children, either in a parenting or career role. Students will study children's physical, social, intellectual, and emotional development from birth to six years of age. Following the guidelines set forth by the Pennsylvania State standards, observations and hands-on experiences will be in cooperation with local and community resources. A special feature of the class will be the "Baby Think It Over" program.

818 CAREERS WITH CHILDREN 2ppw 0.4cr YR

This course explores the need parenting fills, as well as several other careers involving children. Special sections of the course will discuss child abuse and neglect, day care, and birth order. Practical experiences with various careers will be the focus of this class, while techniques in child care will be practiced.

821 FAMILY AND CONSUMER ISSUES 2ppw 0.4cr YR

This course is structured for students to acquire the knowledge and skills needed as a family member both now and in the future. Areas of concentration will be financial and resource management, and food science and nutrition. The materials used and reality-based concepts covered will be according to state standards. Comprehensive classroom experiences will allow the students to develop the knowledge and skills needed in making choices to meet their personal, family, work and community responsibilities.



831 TEENS IN HOMEMAKING 2ppw 0.4cr YR

A ninth grade course designed as an Introduction to the High School Home Economics classes. It is a sampling of Food Preparation, Consumer Education and Child Care. The course will develop the student's skills in consumerism through hands on--lab preparation of snacks and meals, money management and child care.

862 FOOD AND TECHNOLOGY/WORLD OF FOODS 3ppw 0.6cr YR

The focus of the course will be on modern technological food concepts in order to select, store, prepare and serve foods. World-wide food customs and eating habits are examined. Foods prepared will be typical of cuisines studied. Students will explore their individual ethnic foods and customs.

868 QUILTING 3ppw 0.6cr YR

Learn the basic techniques of quilting while enjoying a new leisure time activity. Students will make a placemat and progress, as skills increase, to a full size quilt. Equipment and patterns will be supplied by the district, however, the fabric will be the responsibility of the student.

869 CONTEMPORARY FOODS 2ppw 0.4cr YR

As the trend toward healthier eating increases, do you feel left in the fat food lane? Recipes will be prepared highlighting the new Food Pyramid with the emphasis on low calorie and low fat food preparation techniques. Adaptations will be made for individual food habits and life styles.

ART

915 *STUDIO ART* 2ppw .40cr YR

This course serves to introduce students to all available courses offered by the Art Department. It is designed to increase students' understanding and appreciation of visual art created by others, and to help them gain the knowledge, skills, and confidence needed to improve their own works. Students will be expected to build a visual vocabulary and participate in art criticism. This course is open to freshmen only.

921 *CRAFTS* 2ppw 0.4cr YR

This class encompasses technical, conceptual, and theoretical aspects designed for the beginner interested in exploring the basics of handmade objects. It is designed to increase the students' understanding and appreciation of handicrafts by others, and to help the students gain the knowledge, skill, and confidence needed to create their own craft projects.



931 *DRAWING* 2ppw .40cr YR

Emphasizes the concept of drawing skills that can be learned. Drawing is an introductory course which develops basic skills and understanding of visual language through studio instruction and lecture. The class emphasizes the development of perceptual skills through drawing from observation and introduces concepts such as proportion, space, perspective, and composition. Various media are explored including pencil, charcoal, and ink. This course emphasizes the basic elements, principles, and processes of two-dimensional composition.

941 *PRINTMAKING* 3ppw 0.6cr YR

Printmaking is the process of creating multiple copies of an original image. It is designed to increase the students' understanding and appreciation of processes that are used to transfer an image from a plate or block to another surface such as paper or fabric in order to make multiple copies. Students learn the basics of the traditional techniques of intaglio, relief, planographic, and stencil techniques.



951 *THREE-DIMENSIONAL DESIGN* 3ppw 0.6cr YR

This course introduces the basic elements, principles, and processes of three-dimensional composition. Principles of design are studied and applied in the creation of studio design projects. The class is designed to increase awareness of space and form..

960 PAINTING 2ppw .40cr YR

Painting will further develop skills introduced in drawing. This course presents representational and abstract painting in tempera, acrylic, and watercolor media. It emphasizes the use of media, color theory and mixing, basic painting techniques, and composition.



961 PAINTING 2 2ppw .40cr YR

This course is intended for students committed to the practice and refinement of skills introduced in painting. Classes will include lecture, critique, discussion, and studio experience. Designed for intermediate and advanced students.

962 DIGITAL ART 2ppw .40cr YR

Digital Art will focus on computer technology as a tool for design. The course will introduce students to basic design vocabulary and editing skills. It will provide a fundamental understanding of digital tools and their creative applications. Computer labs will enable students to investigate the techniques and software applications for image, print, and interactive media.

963 DIGITAL ART 2 3ppw .60cr YR

A continuation of Digital Art will focus on building design skills and an understanding of their creative application using the computer. Students will learn to communicate and tell stories using print media.

Prerequisite: Digital Art 1

964 CERAMICS 3ppw .60cr YR

Students will become acquainted with ceramics and all the potential forms it might take as well as the techniques to achieve each one. Specific assignments will be given to introduce each technique. Students will learn to prepare clay for work; they will stack and fire the kiln; and they will learn finishing techniques.

965 CERAMICS 2 3ppw .60 YR

Students will expand their and decorative ceramics experimental techniques. opportunity for personal of sound skills.



knowledge of both functional through traditional and The course will provide an exploration and development Prerequisite: Ceramics

983 JAZZ Ensemble 2ppw 0.4cr YR

This course is designed to further a students experience in a small jazz ensemble using ensemble techniques, improvisation, and harmonic structures. Periods of literature will be performed. Public performances are presented during the school year. Prerequisite: By Audition Only

984 MOVEMENT AND MUSIC 1ppw .20cr YR

This course is a requirement for all sophomores and is designed to further a student's experience in music and dance. The various musical forms such as rhythm and blues, pop, rock and jazz will be studied through movement. Musical periods such as classical and romantic music will also be studied through listening.



985 MOVEMENT AND MUSIC 2 1ppw .20cr YR

A continuation of understanding the basic elements of music through movement and dance while studying classical and romantic music periods.

986 MOVEMENT AND MUSIC 3 1ppw .20cr YR

This course is designed for the third year movement and music student. Individual choreography and improvisation will be stressed. The music history period 1600-1750 Baroque style will be studied. Prerequisite: Movement and Music 1 & 2.

987 MUSIC HISTORY 2ppw .40cr YR

The student is to acquire the understanding of music through the listening of recordings of Medieval, Renaissance, Baroque, Classical, Romantic, 20th Century, and Modern periods.

989 GUITAR ENSEMBLE 1 3ppw .60cr YR

990 GUITAR ENSEMBLE 2 3ppw .60cr YR

Prerequisite: Guitar Ensemble 1

991 GUITAR ENSEMBLE 3 3ppw .60cr YR

Prerequisite: Guitar Ensemble 2

992 Guitar Ensemble 4 3ppw .60cr YR

Prerequisite: Guitar Ensemble 3

This course is designed for guitar students to perform music literature in a solo and ensemble setting. Several public performances are presented during the school year. Prerequisite: Student must own a guitar to practice at home.

993 CONTEMPORARY MUSIC 1ppw 0.2cr YR

Prerequisite: Jazz/Rock History

This course deals with music from the 21st Century. Listening will be stressed.



GUIDANCE

1000 College and Career Planning

1ppw

.20cr

YR

This course will be offered as an elective to all 11th grade students. This course is designed to help students develop powerful plans for a smooth transition from high school to post secondary education or the workforce. Through this course students will work within the Bridges Choice Explore Planner computer program to complete various interest inventories and explore careers. College-bound students will also have the opportunity to work on applications, resumes, and interviewing skills.

