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WYOMING AREA Secondary Center

Program of Studies 2022-2023

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**WYOMING AREA SCHOOL DISTRICT
SECONDARY CENTER
252 Memorial Street
Exeter, PA 18643
570-655-2836**

ADMINISTRATION:

Mrs. Janet M. Serino	Superintendent
Mr. Robert Galella	Director of Curriculum and Instruction
Mrs. Vanessa Nee	Director of Special Education
Dr. Jon Pollard	Secondary Center Principal
Mrs. Cathy Ranieli	Assistant Secondary Center Principal
Mr. Shaun Rohland	Assistant Secondary Center Principal for Discipline

SECONDARY CENTER GUIDANCE STAFF:

Mr. Brian Butler
Mrs. Jennifer Ciampi (Last Name A thru H)
Mr. Robert Yatsko (Last Name I thru Pa)
Mr. Kevin Whitman (Last Name Pe thru Z)

DEPARTMENT CHAIRS:

Mrs. Erica Bartoli	Business, Computer and Informational Technology
Mrs. Charlene Berti	Library
Ms. Nicole Biago	Nursing Services
Mr. Brian Butler	Guidance
Mrs. Melissa Hosey	Art
Ms. Antoinette Jones	Family & Consumer Science
Mr. Carmen Latona	English
Mr. Leo Lulewicz	Mathematics
Mrs. Christine Marianacci	World Languages
Mrs. Maureen Pikas	Social Studies
Mr. David Pizano	Science
Mr. Joseph Pizano	Health & Physical Education
Mrs. Shea Riley	Music
Mrs. Lauren Weidl	Special Education

EDUCATIONAL PHILOSOPHY:

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.

SUPERINTENDENT'S MESSAGE:

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 and Keystone Exam 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,
JANET M. SERINO
SUPERINTENDENT

SPECIAL EDUCATION

In compliance with state and federal law, the Wyoming Area School District has developed policies to insure FAPE (Free Appropriate Public Education) to all school-age children residing within the district's boundaries. The Wyoming Area School District provides no cost screening to children residing within the Wyoming Area School District, who are suspected of having a disability that would interfere with his/her academic progress.

Parents/guardians who suspect their child to be in need of specially designed instruction or related services may request a screening or evaluation at any time by contacting any of the following Wyoming Area School District administrators:

- | | | |
|-----------------------|-------------------------------------|------------------------|
| • Mrs. Janet Serino | Superintendent | 570-655-3733 ext. 2426 |
| • Mrs. Vanessa Nee | Director of Special Education | 570-655-2836 ext. 2245 |
| • Mr. Robert Galella | Asst. Director of Special Education | 570-655-2836 ext. 2457 |
| • Mr. Robert Galella | Director of Curriculum | 570-655-2836 ext. 2457 |
| • Dr. Jon Pollard | Principal: Secondary Center | 570-655-2836 |
| • Mr. Shaun Rohland | Principal: Kindergarten Center | 570-655-2146 |
| • Mr. David Pacchioni | Principal: Primary Center | 570-693-1914 |
| • Mr. Brian Strazdus | Principal: Intermediate Center | 570-654-1404 |
| • Ms. Kristi Naylor | School Psychologist | 570-655-2836 ext. 2240 |

The screening procedure may include, but not be limited to the following:

- Existing classroom data review.

- Cumulative educational records.
- Enrollment/attendance records.
- Ability/achievement scores.
- Vision and hearing screening.
- Participation in Child Study.
- Medical records review.
- Observation of classroom behavior.
- Reports/recommendations released by the parent/guardian from outside agencies.

The evaluation process, which will not proceed without parental consent, will include data collected through the screening process along with a multi-disciplinary evaluation. If the parent fails to respond to a request for consent for an initial evaluation or refuses consent, the school district may pursue the initial evaluation by using the due process or mediation procedures. The multi-disciplinary team (MDT) may consist of the following: Parent/Guardian, School Psychologist, Occupational therapist, Teacher, Director of Special Education, Principal, Guidance Counselor, Speech/Language Therapist, Other staff as deemed necessary. Results of the evaluation are reviewed by the MDT to determine if the child qualifies as a student in need of specially designed instruction under IDEA.

Special Education services will be recommended through an annual development/review of an Individualized Education Program (IEP) to those students who qualify under one or more of the following exceptionalities: Autism, Other Health Impaired, Blind/Visual Impairment, Deaf and Hard of Hearing, Emotional Disturbance, Intellectually Disabled, Orthopedic Impairment, Specific Learning Disability, Traumatic Brain Injury, Speech/Language Impairment.

NOTICE OF GIFTED EDUCATION SERVICES

In compliance with Title 22 PA Code Chapter 16, the Wyoming Area School District conducts ongoing screenings/evaluations of students who may qualify for gifted education. The screening/evaluation process includes, but is not limited to:

- IQ score
- Achievement/ability scores
- Rate of Acquisition/Retention
- Demonstrated Achievement
- Early Skill Development
- Intervening Factors Masking Giftedness
- Parent/guardian/school input

If a parent/guardian believes that a school age child may be in need of specially designed instruction, a written request may be submitted to the Wyoming Area School District. An evaluation will be completed upon receipt of a Permission to Evaluate form. Upon completion of a comprehensive evaluation, if the child meets the eligibility requirements, the Gifted MDT will convene to develop a Gifted Individualized Education Program (GIEP).

Confidentiality

The Wyoming Area School District has policies and procedures in effect governing the collection, maintenance, destruction and disclosure to third parties of information gathered on behalf of the screening/evaluation procedure. All information is subject to the confidentiality provisions contained in federal and state laws. Information may be released with signed written consent of the parent/guardian.

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:

Wyoming Area utilizes a 6 day rotation for schedule creation. This provides students with flexibility to take required and elective course selections to meet their post-secondary career and college plans while allowing the student to explore other areas of interest. Some courses will not meet every day, however using a rotation will permit those classes to meet on a more consistent basis when we factor holiday breaks and other planned calendar events.

Each student should schedule a minimum of 6.2 credits of academic classes per year. 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 and parents are advised that **JULY 15TH IS THE DEADLINE** for making any course request changes. Except for administrative necessity, no requests for changes will be honored after that date. Students who do not meet the recommended prerequisites for a course will not be permitted to request courses for which they do not qualify. There will be no waivers permitted.

Student schedule change requests will only be honored within the first 6 Day cycle of the new school year. Schedule changes must be approved by the administration and in consultation with the parent/guardian and teacher and will only be made for valid educational reasons.

GRADUATION REQUIREMENTS:

In order to earn a High School Diploma from the Wyoming Area School District, students must accumulate credits earned for successful completion of academic coursework. In addition, for

students scheduled to graduate in the Class of 2022 and beyond, students are required to demonstrate proficiency in Career Readiness Standards and Keystone Exams in the Literature, Biology, and Algebra I content areas.

CREDIT ACCUMULATION:

Students must earn a minimum of twenty-two (22) credits to qualify for graduation from Wyoming Area High School. 17.3 of these credits must be earned in major subjects. The minimum requirements for graduation also stipulate that the 17.3 credits must be earned as follows:

English	Social Studies	Mathematics	Science
4 Credits (1 per Year)	4 Credits (1 per year)	3 Credits	3 Credits
Health/Physical Education		Arts and Humanities	Electives
1.3 (Students must pass Phys Ed each Year)		2 Credits	Remaining

To ensure that students make an adequate pace and progress towards graduation requirements, the following credit targets are in place:

- 9th Grade (Freshman): earned less than 4.99 credits
- 10th Grade (Sophomore) earned 5.00 credits to 9.99 credits
- 11th Grade (Junior) earned 10.00 credits to 15.99 credits
- 12th Grade (Senior) earned more than 16.00 credits

Please be advised that students who do not meet the required credit targets will be retained in the previous grade. Students who are retained will be assigned to Homeroom Grade and Section based on their earned credit total, this may not affect other scheduled classes, but it will affect a student’s participation in class activities (i.e. Prom, Semi-Formals, Homecoming Court, Fundraisers, Class Trips, etc.)

KEYSTONE EXAMS:

The Keystone Exams are end-of-course assessments designed to assess proficiency in the subject areas of Algebra I, English Literature, and Biology. The Keystone Exams are one component of Pennsylvania’s holistic school evaluation system. Keystone Exams will help school districts guide students toward meeting state standards in the content area and career/college readiness. All students must take each Keystone Exam at least one time prior to Graduation, regardless of the Graduation requirements in place.

Beginning with the Graduation Cohort of the Class of **2023** and beyond, students must meet one of the options listed below to meet the State Board of Education requirements for Graduation.

Students can meet the statewide graduation requirement by:

- Scoring proficient or advanced on each Keystone Exam - Algebra I, Literature, and Biology.
- Earning a satisfactory composite score on the Algebra I, Literature, and Biology Keystone Exams. Students must achieve at least a composite score of 4452 (with no scores less than Basic on any of the exams)

- Earning a passing grade on the courses associated with each Keystone Exam, and satisfactorily complete one of the following: an alternative assessment (SAT, PSAT, ACT, ASVAB, Gold Level ACT WorkKeys), advanced coursework (AP, IB, concurrent enrollment courses), pre-apprenticeship, or acceptance in a 4-year nonprofit institution of higher education for college-level coursework.
- Earning a passing grade on the courses associated with each Keystone Exam, and pass the National Occupational Competency Testing Institute (NOCTI) or the National Institute of Metalworking Skills (NIMS) assessment in an approved Career and Technical Education concentration.
- Earning a passing grade on the courses associated with each Keystone Exam, and demonstrating readiness for postsecondary engagement through three pieces of evidence from the student's career portfolio aligned to student goals and career plan. Examples of evidence will include ACT WorkKeys, SAT Subject tests, AP, IB and concurrent coursework, higher education acceptance, community learning project, completion of an internship, externship or co-op or full-time employment.

SCHOOL COUNSELING SERVICES:

Each student is assigned a school 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 School Counseling Department utilizes career-oriented computer software programs 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.

SCHOOL COUNSELING DEPARTMENT MISSION STATEMENT:

The School Counseling Department, in accordance with the Wyoming Area education philosophy, believes the School Counseling department exists to provide all students with the opportunity to achieve their highest potential in academic, career, and social/personal endeavors. The school counseling department will provide all students with the resources to explore a wide variety of options, define goals, and maximize potential. The department will rely on input and direct collaboration with teachers, administrators, parents, students, and community members in order to provide students with appropriate and effective services. By incorporating these aspects, it is the intent that all students will become successful learners, responsible citizens, and productive members of society

PHILOSOPHY AND CORE BELIEFS:

It is the Wyoming Area School Counseling Department's philosophy that an effective Counseling Program is designed to address the developmental needs of all students, regardless of ethnic, cultural, and racial differences. The counseling program should be in alignment with the goals established by the American School Counseling Association (ASCA) National Standards for School Counseling Programs, and the Pennsylvania Chapter 339 Comprehensive Guidance

Benchmarks. We believe the implementation of a planned systematic program ensures each student can develop his/her individual potential in three specific areas: academic development, career development, and personal/social development.

We envision the school counseling department being an integral part of the education program that is aimed to assist students in their preparation for becoming successful and productive members of a changing society. In order to ensure student success, counselors will function in a number of different capacities including: counselor, consultant, teacher, manager, and role model. Counselors will work to provide advocacy, leadership, collaboration, and systemic change to the school community. Counselors will work as a team in conjunction with teachers, administrators, parents and community members to assist students in the achievement of these goals. The counseling department will continuously evaluate the effectiveness and appropriateness of programs and use data to make changes accordingly. The school counseling department will consistently acknowledge and abide by ethical principles as advocated by the American School Counselor Association.

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 PROGRAMS:

The Honors Program in English, Social Studies, Mathematics, and Science have been established to provide more challenge and enrichment for those students who meet the individual course prerequisites. To be admitted into an Honors level course, students are required to have the recommendation of teachers and meet the listed recommended prerequisites in each course. Teachers will evaluate students annually to determine whether the student would continue to benefit from placement in the Honors track.

All honor/accelerated classes will be recorded as such on the student's high school record and college transcript.

ADVANCED PLACEMENT® PROGRAM:

The Advanced Placement® (A.P.) Program at Wyoming Area provides 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. 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.

Students and parents please note: All students enrolled in any A.P. course are highly encouraged to take the A.P. Exam in May. Students will be charged a fee for each advanced placement examination. This fee is payable when exams are ordered through the district. Any student who pays for an exam related to a course offered at the Secondary Center and receiving an A.P. exam score of 3 or better will be reimbursed by the school district for that specific exam fee based on a sliding scale. Students who score a 3 will receive 50% of the fee, students who score a 4 will receive 75% of the fee, and students who score a 5 will receive 100% of the fee. Fee Waivers are available through College Board for students who meet the eligibility requirements set forth for the A.P. exams. Changes and alterations regarding payment procedures for A.P. exams may be made by the administration from year to year. All changes will be communicated to students and parents prior to September 1st of each year.

Currently Wyoming Area offers the following A.P. Courses:

A.P. ENGLISH LANGUAGE AND COMPOSITION

A.P. EUROPEAN HISTORY

A.P. AMERICAN HISTORY

A.P. AMERICAN GOVERNMENT & POLITICS

A.P. CALCULUS A/B

A.P. BIOLOGY

A.P. CHEMISTRY

A.P. PHYSICS C/MECHANICS

A.P. COMPUTER SCIENCE

DUAL ENROLLMENT:

The Wyoming Area School District does provide students with the opportunity to take college courses while still in High School. This opportunity is possible in conjunction with local colleges and universities such as Luzerne County Community College, Lackawanna College, Wilkes University and King's College. Students who are interested in participating in Dual Enrollment are encouraged to speak with their Guidance Counselor. Please note that the offerings of our partner institutions may limit a student's ability to take classes offered at the Secondary Center and we cannot guarantee that any specific course or time slot will be available. We will endeavor to be flexible with students and families to make opportunities available.

GRADE REPORTING/G.P.A./CLASS RANK:

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:

Percentage Score	Letter Grade Equivalence
100-95	A
94-90	A-
89-85	B
84-80	B-
79-75	C
74-70	C-
69-65	D
65- Below	F
S	Satisfactory
U	Unsatisfactory
W	Withdrew from Course
I	Incomplete
P	Passing
F	Failing

WEIGHTING OF GRADES:

Honors and Advanced Placement (A.P.) 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 in the determination of a student's class rank. Honors courses are weighted at 1.02 and A.P. courses are weighted at 1.04.

GRADE POINT AVERAGE CALCULATIONS:

At the Wyoming Area Secondary Center a student's **Course Average** is determined by multiplying a student's **Course Grade** by the **Credit Value** for the course. To determine a student's **Cumulative Average**, the **Course Average** is totaled and divided by the number of attempted credits. Please see example listed below

Course	Course Grade	Credit Value	Course Average
Math	95	1.0	95
English	95	1.0	95
Social Studies	95	1.0	95
Science	95	1.0	95
Physical Ed.	95	.15	14.25
Foreign Lang.	95	1.0	95
Elective	95	.50	47.5
Elective	95	1.0	95
	TOTAL	6.65	584.725

Total Course Average 649.8 divided by Attempted Credit 6.84 equals a 95.0 Cumulative Average

CLASS RANK:

Class rank is based on a formula that uses a student's cumulative average, a multiplier of credits earned and extra points added for A.P. (and Honors courses for Class of 2022 and after). The formula produces a weighted class rank value for each student. These values are then compared to students in each individual grade producing a rank order that identifies the class rank position of each student within their graduation class. Class rank value is calculated on a yearly basis and is completed at the end of each school year.

GRADUATION WITH HONORS:

Honors Graduates are students who demonstrate academic excellence throughout their high school career. Honors calculations are completed at the end of the fourth marking period of the student's Senior Year. The student's final cumulative average is the average of the student's four (9th, 10th, 11th, and 12th Grade) yearly weighted cumulative averages. Students can qualify as a Graduate with Honors at the following levels:

Honors Level	Final Weighted Cumulative Average
Cum Laude	90.0000% to 92.9999%
Magna Cum Laude	93.0000% to 95.9999%
Summa Cum Laude	96.0000% to 100%+

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.

COURSE CATALOG:

COURSE DESCRIPTIONS:

HEALTH AND PHYSICAL EDUCATION:

Course Number	Course Title	Credit Value	Grade Restrictions
001	Adaptive Physical Education	TBD	9-12
004	Physical Education 9 & 10	.20	9-10
003	Physical Education 11 & 12	.20	11-12
015	Health Education	.5 (3 Days)	9
005	Recreation Education	.5 (3 Days)	12

001 ADAPTIVE PHYSICAL EDUCATION

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.

004 PHYSICAL EDUCATION 9 & 10

003 PHYSICAL EDUCATION 11 & 12

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 healthy 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: creative movement, basketball, fitness walking/jogging, swimming, volleyball, aerobics, flag football, tennis, mush ball, Whiffle ball, Dodgeball, gym hockey, and calisthenics/stretching. Classes are coeducational. The course is offered as a Pass/Fail Course.

015 HEALTH

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 personal hygiene; prevention of diseases; personal safety; community health problems; and training in adult and child CPR including AED use. Classes are co-educational.

005 RECREATIONAL EDUCATION

This course is designed to engage students in a more rigorous and competition focused based physical activity. Goals include further development of skills and knowledge related to fitness, physical competence, cognitive understanding and positive attitudes. This course looks to promote a healthy and physically active lifestyle. *This course cannot be used as part of the Graduation requirements for Health/Physical Education.*

Recommended Prerequisite: Successful completion of Physical Education in 9th and 10th Grade and/or 11th.

SOCIAL STUDIES:

Course Number	Course Title	Credit Value	Grade Restrictions
231	American Cultures 11	1.0	11
233	American Cultures Honors 11	1.0	11
234	American Cultures 9	1.0	9
235	American Cultures Honors 9	1.0	9
236	World Cultures 10	1.0	10
237	World Cultures Honors 10	1.0	10
238	American Government 12	1.0	12
239	A.P. European History	1.0	10-12
240	A.P. United States History	1.0	11

242	A.P. United States Govt. & Politics	1.0	12
243	21st Cent Gr. Issues/Comp. Ideology	1.0	12
245	Sociology	1.0	12
246	Psychology	1.0	12

234 AMERICAN CULTURES 9

This course is the study of American history from the colonization period up to and including the Civil War and Reconstruction era. Students will explore the changes of American life throughout war, refuge and the expansion of our country. This course includes the political, economic, geographical, and institutional viewpoints of historical events. Students will acquire knowledge of American history that includes key ideas, significant themes, and relevant facts while practicing critical thinking, writing, and speaking skills.

235 AMERICAN CULTURES 9 HONORS

This course is a study of American history from the colonization period up to and including the Civil War and Reconstruction era. Students will explore the changes of American life throughout war, refuge, and the expansion of our country. This honors course is built upon the content of the regular American Cultures 9 curriculum, however material is covered in more advanced detail. There will be emphasis on demonstrating higher levels of thinking, reading and evaluating primary and secondary source materials, historical literature, and a comparative analysis of historical texts.

Recommended Prerequisites: Teacher recommendation. Successful completion of 8th Grade American Government with a 90% or higher.

236 WORLD CULTURES 10

In this course we will study Modern World History. The first semester of this course will be structured thematically. We will cover several time periods and concepts including the Renaissance, the Reformation, Exploration, Absolutism, and the Enlightenment. The second semester of the course will cover the major events of the 20th Century including World War I, World War II, the Holocaust, the Vietnam War, and Global Issues such as terrorism, the environment, and globalization. In addition to studying these specific topics, we will also be studying the geography of the world around us and you will gain an appreciation for the diversity of the world and its cultures. The course is designed to help students improve or acquire certain basic social science and language art skills, such as data gathering and evaluation, making inferences, hypotheses and generalizations.

237 WORLD CULTURES 10 HONORS

This course is a challenging alternative to the traditional World Cultures 10 with an appeal to the motivated and independent learner. It focuses on world history beginning with the Renaissance and discusses major historical themes including the Reformation, Absolutism, the Enlightenment and Imperialism. We will also cover major world events like the French Revolution, World War I, World War II, the Holocaust and the Vietnam War. Students will be required to demonstrate their knowledge of economic, political, and social developments throughout history with a direct emphasis on reading, writing, and the research process. Critical thinking skills and self-directed learning will be mastered through activities involving advanced geographical studies and examination of the relationship between historical and current events.

Recommended Prerequisites: Teacher recommendation. Successful completion of American Cultures 9 Honors with an 87% or higher OR successful completion of American Cultures 9 with a 90% or higher.

231 AMERICAN CULTURES 11

This course, the second of a two year American Cultures sequence, begins with the Reconstruction Era, moves to 20th century America and proceeds to the present day. Students study the nation's transformation into an industrial power and the impact of this change on the social, cultural, economic and political development of the country. The course also traces the foreign policy of the United States from isolationism to internationalism.

Recommended Prerequisites: Successful completion of American Cultures 9.

233 AMERICAN CULTURES 11 HONORS

This course, the second of a two-year sequence, begins with the Reconstruction Era, and proceeds to 20th century and recent American history. It will be built on the skills introduced in Honors American Cultures Honors 11 as well as emphasize an analytical approach to history. Students will be expected to investigate issues in history, write and argue from a point of view, work extensively with primary sources as well as produce individual research projects. **The course has a summer reading requirement.**

Recommended Prerequisites: Teacher recommendation. Successful completion of World Cultures 10 Honors with an 87% or higher OR successful completion of World Cultures 10 with a 90% or higher.

238 AMERICAN GOVERNMENT 12

This course seeks to examine the most important features of the formal structure and functions of our American governmental system. It will teach students the structure of federal, state, and local governments. It stresses political, social, and economic processes of American culture. The course will prepare the students to perform their governmental duties and responsibilities after graduation, such as voting, government office, and/or jury duty. 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 learn about the different forms of governments that are in use in today's world. 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.

243 21st CENTURY GREAT ISSUES

21st Century Great Issues will examine contemporary events by incorporating material from varied media sources. Students will be expected to do all reports, projects, and other activities. Participation in discussions is necessary. Individual and group reports will be made daily on topics ranging from international, national, state and local news, including topics of special interests. Four political and economic ideologies that have had a great impact on the culture and history of the world will also be explored: communism, fascism, capitalism, and socialism with its relation to past and present day societies. *This course cannot be used for credit for graduation requirements in social studies.*

239 A.P. EUROPEAN HISTORY

A.P. European History is a course that examines European history since 1450 and introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the European continent. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods. The goals of this course are to develop an understanding of the principal themes in modern European history. Students will have to analyze historical evidence and historical interpretation of European topics and gain the abilities to express historical understanding in writing. Five themes will be explored in order to make connections among historical developments throughout

European history. The course will be directed at preparing the student for the Advanced Placement Examination.

Recommended Prerequisite: Teacher Recommendation. Successful completion of Honors American Culture 9 with an 87% or American Cultures 9 with a 90%.

240 A.P. UNITED STATES HISTORY

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials of US history. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students learn to assess historical material, their relevance to a given interpretive problem, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarship. Students can expect to participate fully in classroom discussions, written assignments, projects and research. **The course has a summer reading requirement.**

Recommended Prerequisite: Teacher Recommendation. Successful completion of World Cultures 10 Honors with an 87%

242 A.P. AMERICAN GOVERNMENT & POLITICS

A.P. U.S. Government is an introductory college level course that will focus on the complexities of the U.S. Government. This course takes an in depth look at our government focusing on the institutions of government and how those institutions work to meet the goals of the framers of the Constitution. Students taking this course will be required to research, analyze and interpret our Constitution, the branches of our government, and the institutions within our government in order to gain a deeper understanding of the complexities that exist in the American political system. Students will be required to show their understanding of the material covered through classroom discussion, essays, and presentations. This course is directed toward preparing the student to take the Advanced Placement Examination in May.

Recommended Prerequisite: Successful completion of either A.P. U.S. History with an 87% or Honors American Cultures 11 with a 87%

245 SOCIOLOGY

Sociology provides perspectives and information useful in understanding all societies. The major theories (functionalism, conflict, and symbolic interactionism) and concepts provide the foundation upon which the course rests. The nature of privilege and oppression are discussed and considered in the specific contexts of race, ethnicity, gender, and age. The focus then shifts to social institutions. The essential work of society is accomplished via its major institutions: family, education, health care, economy and work, religion, and politics. Applying theoretical perspectives to the form and function of these institutions enhances an understanding of how different social structures provide varying constraints and opportunities to their societies.

246/248 PSYCHOLOGY/LACKAWANNA PSYCHOLOGY

This course provides an overview of the field of psychology, including research, theory, and application. Specific topics include the biological bases of behavior, sensation and perception, learning, cognition, motivation and emotion, development, social cognition and social influence, personality and individual differences, and mental disorders and therapy. Content is presented through a combination of lectures, readings, and demonstrations. Evaluation is primarily on the basis of objective exams given in class. The course introduces students to theories, research, and procedures used in psychological research and practice. It also promotes thinking about how students can apply this knowledge to enhance their lives. After taking this course students should be able to make more informed decisions about participating in future psychology courses and

have a better understanding of psychology as a science and of human behavior. *The Lackawanna Psychology course is also offered on a limited basis in partnership with Lackawanna College for college credit. There is a tuition charge associated with the course if taken for college credit. That fee is due prior to the start of the spring semester. The Lackawanna Psychology course is not weighted.* **Due to factors related to the partnership with Lackawanna College,**

Administration reserves the right to limit the number of sections of this course that will be offered each year.

Recommended Prerequisite: Teacher Recommendation/Administrative Permission is needed to take this course for college credit.

WORLD LANGUAGES:

Course Number	Course Title	Credit Value	Grade Restrictions
341	Spanish 1	1.0	9-12
342	French 1	1.0	9-12
351	Spanish 2	1.0	10-12
352	French 2	1.0	10-12
361	Spanish 3	1.0	11-12
362	French 3	1.0	11-12
371	Spanish 4	1.0	12
372	French 4	1.0	12

341 SPANISH I

Spanish I is an integrated approach to language learning which spans all four language skills: reading, writing, listening and speaking. Students have the opportunity to use and reinforce these skills while developing an up to date awareness of Hispanic culture. Vocabulary and grammar are introduced through a variety of multimedia presentations, which offer students a contextual approach to language learning. Students do not need a background in Spanish in order to achieve the course goals.

351 SPANISH II

Spanish II begins with a concentrated and thorough review of Spanish I basics, followed by writing development that further enhances the acquisition of the mastery of such basics. Students continue to further develop and improve listening, speaking, reading and writing skills. Emphasis is placed on comprehension of Spanish, as well as correct oral and written expression and aural comprehension, particularly in the past tense.

Recommended prerequisite: Successful completion of Spanish I

361 SPANISH III

Spanish III places an emphasis on reviewing and using the entire concept of grammatical usage. Students continue to develop and increase their language acquisition in Spanish through the study of language structures in contemporary Spanish and Hispanic cultural and historical contexts. Being engaged in the study of language structures and vocabulary, students will accomplish this through reading, listening, speaking and writing activities. The Destinos series of

video tapes will be used as the main focus of this class. *Recommended prerequisite: Teacher Recommendation. Successful completion of Spanish II with an average of 85% or higher.*

371 SPANISH IV

Spanish IV embodies advanced grammar and composition as well as continuous conversation and proficient pronunciation in the target language. Students will be expected to read, write, comprehend and speak with a higher level of efficiency. The goal of Spanish IV is to encourage students to converse solely in the target language along with stressing advanced grammar and writing skills. Various everyday situations will be used to help the student express opinions, ideas and values while increasing knowledge and the use of a more extensive vocabulary. *Recommended prerequisite: Teacher Recommendation. Successful completion of Spanish III with an average of 85% or higher*

342 FRENCH I

French I employs a multi-media approach to the learning of a foreign language. Video, audio and computer work is done along with the learning of French dialogues in order to enhance the student's understanding of the French language. Along with the language, the culture and history, geography and everyday events of France and its territories will be discussed and learned.

352 FRENCH II

The multi-media approach of French I continues into French II. More topics for dialogues are added along with the continuation of culture, geography and everyday events of France and its territories. Students will progressively get better with pronunciation, reading and speaking with a better command of comprehension. The use of the Internet and computer will be incorporated into this course.

Recommended prerequisite: Successful completion of French I.

362 FRENCH III

French III 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.

Recommended prerequisite: Teacher Recommendation. Successful completion of French II with an average of 85% or higher

372 FRENCH IV

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.

Recommended prerequisite: Teacher Recommendation. Successful completion of French III with an average of 85% or higher.

MATHEMATICS:

Course Number	Course Title	Credit Value	Grade Restrictions
412	Algebra 1	1.0	9-12
423	Geometry	1.0	9-12
424	Honors Geometry	1.0	9-12
433.1	Algebra 2	1.0	10-12
434.1	Honors Algebra 2	1.0	10-12
439	Honors Precalculus 11	1.0	11
440	Precalculus 11-12	1.0	11-12
441	Math 11	1.0	11
442	LCCC Math	1.0	12
443	Math Topics 12	1.0	12
444	Statistics 11-12	1.0	11-12
446	Honors Calculus	1.0	12
447	A.P. Calculus AB	1.0	12
448	Keystone Algebra I Math Clinic	TBD	9-12

412 ALGEBRA 1

This course in Algebra provides a new approach to the study of mathematical relationships through the use of variables. Students will prepare for the Keystone Algebra 1 Exam which utilizes PA Common Core Standards in Mathematics consists of two test modules. The test contains multiple choice questions and open ended responses that are designed to assess student comprehension of Algebra. All students must take the Algebra 1 Keystone Exam to satisfy federal testing requirements. A student's score on the Keystone exam is a factor in several options to satisfying state graduation requirements.

423 GEOMETRY

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.

Recommended Prerequisite: Successful completion of Algebra 1

424 HONORS GEOMETRY

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. Honors Geometry incorporates more challenging problems and moves at a quicker pace.

Recommended Prerequisites: Teacher recommendation. Successful completion of 8th Grade Algebra 1 with an 85% or higher OR Algebra 1 with a 90% or higher.

433.1 ALGEBRA 2

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.

Recommended Prerequisite: Successful completion of Algebra 1 and Geometry.

434.1 HONORS ALGEBRA 2

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.

Recommended Prerequisite: Teacher recommendation. Successful completion of Honors Geometry with an 87% or higher OR successful completion of Geometry with a 90% or higher.

439 HONORS PRECALCULUS 11

Honors Pre-Calculus 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, an introduction to limits and continuity, and trigonometry.

Recommended Prerequisite: Teacher recommendation. Successful completion of Honors Algebra 2 with an 87% or higher OR successful completion of Algebra 2 with a 90% or higher.

440 PRECALCULUS 11-12

Precalculus is offered to students 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, and trigonometry.

Recommended Prerequisite: Successful completion of Algebra 2

441 MATH 11

Math 11 covers topics that students planning on entering the workforce, attending a community college and/or trade school will need to be successful in those choices. Topics include: financial transactions encountered in life, consumer math, and review of basic math skills needed to be successful in life. **Please note: Students who have completed or currently taking Algebra 2 may not take this class. This class may only be taken one time.**

Recommended Prerequisite: Successful completion of Algebra 1 and Geometry.

442 LCCC MATH

This course is offered in partnership with Luzerne County Community College with a Wyoming Area instructor and is a two part course offered consecutively in the Fall/Spring of the school year. The Fall course is a developmental noncredit course called MAT 105 *Fundamentals of Arithmetic*. MyMathLab software is used to take students independently through the topics which include addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals as well as ratios, proportions, and percents. Upon the successful completion of MAT 105, students will register for the spring semester with the college and become enrolled in a 3 credit college math course called MAT 101 *Survey of Mathematics*. This course is intended to meet the minimum college requirement in mathematics. Topics include number theory, set theory, logic, and consumer mathematics. A class field trip to the main campus will be offered in the fall to introduce the students to the programs and opportunities available to them at LCCC. **Due to factors related to the partnership with LCCC, Administration reserves the right to limit the number of sections of this course that will be offered each year**

Recommended Prerequisite: Teacher Recommendation

443 MATH TOPICS 12

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.

Recommended Prerequisite: Successful completion of Algebra 2

444 STATISTICS 11-12

Probability and Statistics is a year course designed to introduce the methods used in the field of applied statistics. Emphasis is given to basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. The major focus of this course is to provide students with experience in using the computer to solve problems which can be set up as mathematical models.

Recommended Prerequisite: Teacher recommendation. Successful completion of Precalculus or Honors Precalculus. This course can be taken concurrently with Honors Precalculus with teacher recommendation.

446 HONORS CALCULUS

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.

Recommended Prerequisite: Teacher recommendation. Successful completion of Honors Precalculus 11 with an 87% or higher OR successful completion of Precalculus 11 with a 90% or higher.

447 A.P. CALCULUS AB

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 A.P. Calculus AB Exam.

Recommended Prerequisite: Teacher recommendation. Successful completion of Honors Precalculus 11 with an 87% or higher OR successful completion of Precalculus 11 with a 90% or higher.

ENGLISH:

Course Number	Course Title	Credit Value	Grade Restrictions
115	English 9	1.0	9
116	English Honors 9	1.0	9
117	English 10	1.0	10
118	English Honors 10	1.0	10
121	English 11	1.0	11
130	English Honors 11	1.0	11
141/148	A.P. English Language & Composition/ Lackawanna Composition	1.0	12
142	Honors English 12	1.0	12
143	English 12	1.0	12
144	LCCC English	1.0	12
163	Creative Writing/Journalism	1.0	11-12
164	Keystone Literature Clinic	TBD	11-12

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

115 ENGLISH 9

This course places emphasis on the basic skills of composition. Students study a wide range of literature for analysis and pleasure. Research writing is emphasized and attention given to preparation for the SAT test.

116 ENGLISH HONORS 9

In addition to the study of composition, this course focuses on an understanding of drama, the novel, the language of poetry, and the literary elements of the short story: plot, setting, theme, climax, and resolution and writing techniques. Research writing is emphasized and attention given to preparation for the SAT test.

Recommended Prerequisites: Teacher recommendation. Successful completion of 8th Grade English and Reading Classes with a 90% or higher in each class.

117 ENGLISH 10

The purpose of this course is to introduce students to American Literature, vocabulary, grammar, and spelling. Students build upon the fundamental writing skills taught in English 9. Written compositions are based on literary works read in class. In addition, the research process is taught, and students complete research papers. Students begin to prepare for the SAT. All students must take the Literature Keystone Exam to satisfy federal testing requirements. A student's score on the Keystone exam is a factor in several options to satisfying state graduation requirements.

118 ENGLISH HONORS 10

This course is designed to explore all genres of American Literature including poetry, short stories (fiction and nonfiction), novels, and dramas. The content of this class closely complements the material previously taught to students in their ninth-grade history class. Honors students continue to develop close reading skills that will help them prepare for both the SAT test and Keystone Literature Exam. The texts in Honors English 10 are more difficult and greater in number than those studied in regular English 10. Composition is integrated into literature and involves creative responses to specific literary works. Students continue to build knowledge of the research paper process and apply that knowledge in the writing process. All students must take the Literature Keystone Exam to satisfy federal testing requirements. A student's score on the Keystone exam is a factor in several options to satisfying state graduation requirements.

Recommended Prerequisites: Teacher recommendation. Successful completion of English 9 Honors with an 87% or higher OR successful completion of English 9 with a 90% or higher.

121 ENGLISH 11

Traditional English 11 is a literature-based course that includes poetry, novels, short stories and informational text, dramatic pieces and presentations, while exploring "the American Dream", "Freedom", and "Independence". Time-honored novels include *The Catcher in the Rye*, *The Great Gatsby*, and Maya Angelou's *I Know Why the Caged Bird Sings*. In addition, students complete research projects and prepare for the SATs.

130 ENGLISH HONORS 11

This course includes the reading and analysis of fiction and non-fiction. Some selections are *Catcher and the Rye*, *The Great Gatsby*, and *I Know Why the Caged Bird Sings*. Students will also read several short stories and excerpts from longer works such as those from the Transcendentalist Era. Dramas include *Twelve Angry Men* and *A Raisin in the Sun*. Emphasis is on critical thinking, the individual writer's style, and the value of literature as weighed against moral, spiritual and humanistic standards.

Recommended Prerequisites: Teacher recommendation. Successful completion of English 10 Honors with an 87% or higher OR successful completion of English 10 with a 90% or higher.

COMPOSITION

The focus of Advanced Placement Language and Composition is for our students not only to master the foundation of English skills—grammar, composition, and comprehension, but also to apply them on college/university level. Students are challenged to utilize the complex and organic grammar of English in both the writing and explication processes. Rhetorical structures and literary devices must be identified and analyzed in an array of cross-curricular nonfiction works as well as in the sub genres of fiction. Students are instructed how to use these tools to strengthen and add style to their own compositions—synthesis, analysis, argumentative, and finally the research paper. Our goal, of course, is student success in Advanced Placement Exam, but more so in the preparation for future college/university competence and accomplishment. *This course is also offered on a limited basis in partnership with Lackawanna College as Lackawanna Composition for college credit. There is a tuition charge associated if the course is taken for college credit. That fee is payable during the school year.* ***The Lackawanna Composition course is not weighted and may be scheduled concurrently with AP English. Due to factors related to the partnership with Lackawanna College, Administration reserves the right to limit the number of sections of this course that will be offered each year.***

Recommended Prerequisites: Teacher recommendation. Successful completion of English 11 Honors with an 87% or higher.

142 HONORS ENGLISH 12

This course is designed for students who wish to excel in writing, reading, and literary analysis. The course includes the study of English literature as an evolution from the earliest written works to the modern language of today. The course also places emphasis on the writing process. The emphasis is on improving different writing types including the research paper, persuasive, and analytical works. A strong focus is placed on independent writing and reading projects in preparation for college-level assignments. Honors English also offers self-directed study in order to prepare students for college-level reading and writing. Honors English also offers self-directed study in order to prepare the student for their individual choice of college major.

Recommended Prerequisites: Teacher recommendation. Successful completion of English 11 Honors with an 87% or higher OR successful completion of English 11 with a 90% or higher.

143 ENGLISH 12

This course offers the opportunity to reinforce basic skills in writing, reading, listening, and speaking while exploring English and Modern Literature. The course is designed to offer introductory college studying practices, note-taking, and writing skills. There is an emphasis on research writing, literary response writing, and understanding the writing process. The course also focuses on basic public speaking and presentation skills. The course also covers basic resume construction, practical reading, and public speaking skills in order to prepare students for college, technical schools, or employment.

144 LCCC ENGLISH (LCCC ENG 031/ENG 101A)

This course is designed for students who have successfully completed English 11 and are seeking admission into a two or four year college/university or trade school. Offered in partnership with Luzerne County Community College with a Wyoming Area instructor, this two part course is offered consecutively in the Fall/Spring of the school year. The Fall session course, LCCC ENG 031, emphasizes the review of basic grammar and the basics of sentence construction with intense practice in recognition and writing of complete sentence patterns with the ultimate goal of preparing the students to write multiple paragraphs. The Spring Session course, LCCC ENG

101, is designed to offer practice in the fundamental concepts of writing, this course emphasizes paragraph development techniques, sentence structure, mechanics and usage of language, expository essays with elements of college research methodology. Students will be required to take a writing competency exam as part of this course prior to the start of the Spring semester. Class work may include conferencing, collaborative and individual writing, revising and editing of papers, reading and discussion. This course also includes visitations to the LCCC Campus for a variety of activities for the students to take part in. **Due to factors related to the partnership with LCCC, Administration reserves the right to limit the number of sections of this course that will be offered each year.**

Recommended Prerequisite: Teacher Recommendation; Review of student writing samples to determine eligibility

163 CREATIVE WRITING/JOURNALISM

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 emphasizes interviewing, reporting, and writing for publication. It also stresses newspaper and magazine production skills. After introductory training in journalistic writing style, students write news stories, features, sports stories, and editorials for public relations. Each student attempts to have at least one article printed in the school newspaper, yearbook, or in another publication. *This course cannot be used for English Requirements of Graduation.*

SCIENCE:

Course Number	Course Title	Credit Value	Grade Restrictions
510	Biology	1.0	10
515	Honors Biology	1.0	9-10
520	Intro to Chemistry	1.0	10-11
530	Ecology	1.0	11-12
541	A.P. Biology	1.0	11-12
542	Anatomy and Physiology	1.0	10-12
543	Chemistry	1.0	10-11
544	Honors Chemistry	1.0	10-11
545	A.P. Chemistry	1.0	12
546	Integrated Science 9	1.0	9
549	Physics	1.0	11-12
551	Honors Physics	1.0	11-12
553	Nuclear and Organic Chemistry	.5	11-12
555	A.P. Physics C: Mechanics	1.0	12
556	Genetics	.5	11-12
511	Keystone Biology Clinic	TBD	10-12

510 BIOLOGY

Biology is a course designed to help students discover biology through inquiry and investigation. The scientific method will be emphasized as students study organic and inorganic compounds,

biological processes, unicellular and multicellular characteristics, as well as genetics and the diversity of life. Students taking this course will be exposed to all of the core concepts that are addressed in the Keystone Biology Exam and will develop the knowledge and skills necessary to pursue any field related to Biology. All students must take the Biology Keystone Exam to satisfy federal testing requirements. A student's score on the Keystone exam is a factor in several options to satisfying state graduation requirements. This course meets one (1) additional period per cycle.

Administration may offer one section of this course without the additional period per cycle for students who attend the Westside Career and Technical Center on a half day schedule. This section is offered solely at the discretion of the administration and is available exclusively for students who attend the CTC for a half day along with administrative permission.

515 HONORS BIOLOGY

Honors Biology 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. Honors Biology also centers on genetic continuity of life and genetic change through time.

It is strongly suggested that students are exposed to this more challenging level of study if they intend to take A.P. Biology in the future. All students must take the Biology Keystone Exam to satisfy federal testing requirements. A student's score on the Keystone exam is a factor in several options to satisfying state graduation requirements. This course meets one (1) additional period per cycle.

Recommended Prerequisite: Teacher recommendation. Students entering 9th grade must have completed Advanced Science 8 with an 85% or higher. Students entering 10th grade must have completed Integrated Science 9 with a 90% or higher.

520 INTRODUCTION TO CHEMISTRY

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

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 group 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

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 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 A.P. Biology experiments. This course meets one (1) additional period per cycle.

Recommended Prerequisites: Teacher recommendation. Successful completion of Honors Biology with an 87% or higher.

542 ANATOMY AND PHYSIOLOGY

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. Students are strongly encouraged, but not required, to take this course if they intend to take Advanced Placement Biology. This course cannot be used to satisfy graduation requirements for Science Credits.

Recommended Prerequisites: Teacher recommendation. Successful completion of Biology.

543 CHEMISTRY

This course is a laboratory-oriented course designed for students interested in careers in scientific and technological fields such as chemistry, biology, 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. This course meets one (1) additional period per cycle.

Recommended Prerequisites: Successful completion of Algebra I.

544 HONORS CHEMISTRY

This course is a laboratory-oriented course designed for students interested in careers in scientific and technological fields such as chemistry, biology, 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. Topics will be covered in more depth and at a quicker pace compared to Chemistry and students should take this course if they intend to take A.P. Chemistry in the future. This course meets one (1) additional period per cycle.

Recommended Prerequisites: Teacher recommendation. Concurrent enrollment in Algebra 2 or Honors Algebra 2. Successful completion of Honors Biology with an 87% or higher or successful completion of Biology with a 90%.

545 A.P. CHEMISTRY

A.P. Chemistry is a college-level course intended for those students intent on pursuing careers in scientific or medical fields, such as chemistry, chemical engineering, biology, pharmacy, medical technology, nursing, medical or animal science, or environmental science. The course consists of a brief review of Chemistry 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 plan to take the advanced placement exam in Chemistry are encouraged to take Nuclear and Organic Chemistry as well as some level of physics before taking this course or concurrently. This course meets two (2) additional periods per cycle.

Recommended Prerequisites: Teacher recommendation. Successful completion of Honors Chemistry with an 87% or higher. Successful completion and/or concurrent enrollment in Physics.

546 INTEGRATED SCIENCE 9

Integrated Science is our accumulated understanding of the natural world. This is a multipurpose course that covers a wide range of topics. Concepts taught in this course involve the study of earth science, biology, ecology, and the environment. These topics are integrated, showing how all things work together to sustain life. Students will explore the origins and the connections between the physical, chemical, and biological processes of the earth system. During the second part of the year, this course will primarily emphasize the core concepts in ecology and biology that are addressed in the Keystone Biology Exam. This course is designed to strengthen student analytical and problem solving skills while developing a strong content foundation toward success in future science courses.

549 PHYSICS

This course is a laboratory-oriented course designed for students interested in careers in scientific and technological fields such as physics, engineering, computer science or computer 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. This course meets one (1) additional period per cycle.

Recommended Prerequisites: Teacher Recommendation. Successful completion of Intro to Chemistry and/or Chemistry. Successful completion and/or concurrent enrollment in Precalculus OR Honors Precalculus.

551 HONORS PHYSICS

This course is a laboratory-oriented course designed for students interested in careers in scientific and technological fields such as chemistry, physics, engineering, computer 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. Topics will be covered in more depth and at a quicker pace compared to Physics and students must take this course if they intend to take A.P. Physics in the future. This course meets one (1) additional period per cycle.

Recommended Prerequisites: Teacher Recommendation. Successful completion of Honors Chemistry with an 87% or higher OR successful completion of Chemistry with a 90% or higher. Successful completion and/or concurrent enrollment in Precalculus OR Honors Precalculus .

553 NUCLEAR AND ORGANIC CHEMISTRY

The first half of this course will survey the major topics of nuclear science including nuclear reactions, fission, fusion, nuclear reactors, half-life, and 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. In addition, students are strongly encouraged to take this course if they intend to take Advanced Placement Chemistry. This class meets three (3) days per cycle.

Recommended Prerequisites: Teacher recommendation. Successful completion of Chemistry or Honor Chemistry.

555 A.P. PHYSICS C: MECHANICS

This course is offered as a continuation of Honors Physics. 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 and wave motion. The mathematical analysis of the concepts discussed will be reinforced through demonstrations, projects and laboratory experiments. Students should be prepared to do challenging levels of laboratory work and problem solving in order to meet the stringent requirements of the A.P. testing program. Topics covered in this course will also prepare students for the Physics 1: Algebra Based AP Exam. This course meets one (1) additional period per cycle.

Recommended Prerequisites: Teacher recommendation. Successful completion of Honors Physics with an 87% or higher. Successful completion of and/or concurrent enrollment of Precalculus OR Calculus/Honors Calculus/A.P. Calculus.

556 GENETICS

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 class meets three (3) days per cycle.

Recommended Prerequisites: Teacher recommendation. Successful completion of Biology or Honors Biology. Successful completion of Chemistry or Honors Chemistry.

BUSINESS, COMPUTER AND INFORMATION TECHNOLOGY:

Course Number	Course Title	Credit Value	Grade Restrictions
622	Financial Technological Applications	1.0	11- 12
640	Accounting 1	1.0	10 – 12
641	Accounting 2	1.0	11 – 12
644	Business Law	1.0	10 – 12
646	Economics	1.0	11 – 12
647	Career Exploration	.5 (3 Days)	9

661	Multimedia Applications	1.0	9 – 12
665	Computer Programming 1	1.0	10 – 12
666	AP Computer Science Principles	1.0	11-12

622 FINANCIAL TECHNOLOGICAL APPLICATIONS

This course offers students a sound basis for personal finance and money management. Topics covered in detail include Gross/Net Income, Personal Balance Sheets, Checking/Savings Accounts, Cash Purchases, Delivered bit Cards, Credit Cards, Car Loans, Housing Costs, Mortgages, Insurance and Investments. Additional topics discussed and explored are the purchasing of stocks, bonds, and mutual funds, and completion of federal tax returns. Microsoft Office software (Word and Excel) and Internet search engines will be used throughout the course. This elective course is highly recommended for all students in either their Junior or Senior Year. .

640 ACCOUNTING 1

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 prospective business majors. Computer technology using Microsoft Office (Word and Excel) will be used throughout the course to introduce the student to automated accounting concepts and procedures.

641 ACCOUNTING 2

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 Accounting foundation. Topics include payroll records, departmental sales, branch sales, partnership records, corporate accounting and various methods of inventory accounting and control.

Recommended Prerequisite: Successful completion of Accounting 1

644 BUSINESS LAW

An overview of the constitution of the United States; discusses laws concerning minors, families, and consumers. The course explains both criminal and civil court procedures using factual cases. Study continues with the explanation of contract law, personal and real property, consumer protection and product liability, vehicle ownership, marriage and divorce laws, rental agreements, and legal documents related to the purchase and mortgage of a home. 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.

646 ECONOMICS

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. Students will learn to analyze stocks, bonds, and mutual funds for personal investment purposes. This course provides an adequate foundation for college bound students seeking a degree in marketing, economics, accounting or business administration.

647 CAREER EXPLORATION

This course is designed for students in 9th grade to use self assessments and research techniques to develop an understanding of their career trajectory. Students will create career portfolio

artifacts and engage in the job search process. This course also covers the area of workplace ethics. There is a focus on teamwork, career networking, communication skills, and problem solving. Artifacts produced through this course are archived to meet the PDE Career Standards for Graduation Requirements.

661 MULTIMEDIA APPLICATIONS

This course will enable the student the ability to meet the technological advances in their educational and career choices. Students will be able to produce word processing documents, spreadsheets, desktop publishing documents, and multimedia PowerPoint presentations. Microsoft Word and PowerPoint will be reviewed. Microsoft Excel and Publisher will be introduced along with Paint, basic coding skills, as well as marketing concepts. A culminating project will be implemented in the fourth quarter to assess knowledge of all the programs used throughout the school year. This course covers the concepts and competencies that students would need to be prepared for the Microsoft Office Specialist certification.

665 COMPUTER PROGRAMMING 1

Computer Programming is a course designed for sophomores, juniors and seniors who are interested in computer programming. This course will develop the students' critical thinking skills, logic skills and problem solving ability. It provides a solid hands-on introduction to Python programming language. The students will learn the syntax rules, data types, mathematical and logical operators, and control structures needed to write object-oriented programs.

Recommended Prerequisite: Teacher recommendation.

666 A.P. COMPUTER SCIENCE PRINCIPLES

AP Computer Science Principles (AP CSP) is a full-year, rigorous course that introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. The course covers a broad range of foundational topics including: programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. *Recommended Prerequisites: Teacher recommendation.*

Concurrent enrollment in Algebra 2 or Honors Algebra 2 with an 87% or higher.

TECHNOLOGY EDUCATION:

Course Number	Course Title	Credit Value	Grade Restrictions
710	Technology & Society (Digital Citizenship)	.5 (3 days)	9-12
711	Introduction to Film Appreciation	1.0	10-12
761	AutoCAD I (Drafting 1)	.5 (3 days)	9-12
764	AutoCAD II (Drafting 2)	.5 (3 days)	10-12
767	AutoCAD III (Drafting 3)	.5 (3 days)	11-12
763	AutoCAD IV (Drafting 4)	.5 (3 days)	12

710 TECHNOLOGY & SOCIETY (Digital Citizenship)

Based on a program developed by Common Sense Education, this course empowers students to make safe, smart, and ethical decisions online. Being a good digital citizen is more than knowing your way around the web. It's about connecting and collaborating in ways you didn't even know were possible. The digital citizenship program includes comprehensive learning resources for students, which address real challenges to help schools navigate cyberbullying,

internet safety, and other digital dilemmas. Course content includes: Internet Safety, Privacy & Security, Relationships & Communication, Cyberbullying & Digital Drama, Self-Image & Identity, Information Literacy and Creative Credit & Copyright.

711 INTRODUCTION TO FILM APPRECIATION

This course exposes students to classic cinema and teaches them about the social, historical and cultural significance of film. Three films are included: To Kill a Mockingbird, Mrs. Smith Goes to Washington, and The Day the Earth Stood Still. Each film focuses on significantly different subject matters--civil rights and family values, American democracy and the power of the press, and war and the development of atomic weapons. The lessons and activities contained in this curriculum program are based on National Film Study Standards developed by the Film Foundation, working closely with American filmmakers, scholars and classroom educators. The Story of Movies helps students think contextually about the role of film and expression in American culture and will help foster creativity

761 AUTOCAD I (DRAFTING 1)

This course is designed to provide an overview of computer-assisted drafting (CAD). Topics covered will include system hardware and software specifications and options. It includes generic and system components leading to the setting-up, creating, revising, and plotting of drawings on a CAD system. A knowledge of Geometry is crucial.

764 AUTOCAD II (DRAFTING 2)

This course is designed for the second-year AutoCAD student and continues the exploration of computer-assisted drafting. Includes dimensioning, tolerancing, threads, fasteners, and the production of drawings. Assignments will include the utilization and practice of CAD techniques to speed production of drawings and apply CAD techniques in an efficient manner consistent with industrial practice.

Recommended Prerequisite: Successful completion of AUTOCAD I

767 AUTOCAD III (DRAFTING 3)

This course is designed for the third-year AutoCAD student and advances the exploration of computer-assisted drafting. Emphasis will be placed on mastery of concepts and skills, as well as on productivity and introduction of advanced software functions. Topics of coverage will include composition of drawings via system-specific menu-option utilization

Recommended Prerequisite: Successful completion of AUTOCAD II

763 AUTOCAD IV (DRAFTING 4)

This course is designed for the fourth-year AutoCAD student and advances the exploration of computer-assisted drafting. Emphasis will be placed on mastery of concepts and skills, as well as on productivity and introduction of advanced software functions. Topics of coverage will include composition of drawings via system-specific menu-option utilization, use of advanced computer-assisted drafting/design functions, and the application of special library symbols.

Recommended Prerequisite: Successful completion of AUTOCAD III

FAMILY & CONSUMER SCIENCES:

Course Number	Course Title	Credit Value	Grade Restrictions
816	Child Care & Development	.5 (3 days)	10-12
821	Family & Consumer Issues	.5 (3 days)	10-12
831	Teens in Homemaking	.5 (3 days)	9-12

869	Contemporary Foods	.5 (3 days)	9-12
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816 CHILD CARE & DEVELOPMENT

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. Other topics covered will include discussions of child abuse/negelect, birth order, and parenting techniques. 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.

821 FAMILY AND CONSUMER ISSUES

This course is structured for students to acquire the knowledge and skills needed as a family member both now and in the future to live a healthy lifestyle. Areas of concentration will be 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 to make healthier life choices in order to prevent health issues such as stress, obesity, eating disorders, high blood pressure, strokes, and heart attacks. Students will learn how to substitute unhealthy ingredients and prepare healthy meals and snacks that don't require much effort and cost..The course combines textbook activities, food labs, and classroom projects.

831 TEENS IN HOMEMAKING

This course is designed as an Introduction to the High School Home Economics classes. It is a sampling of Food Preparation and Consumer Education. The course will develop the student's skills in consumerism through hands-on lab preparation of snacks and meals, as well covering the topics of money management, self-esteem, nutrition, and decision making. The course combines textbook activities, food labs, and classroom projects. The materials used and reality-based concepts covered will be according to state standards

869 CONTEMPORARY FOODS

. This course is designed to prepare learners to identify and utilize aspects of nutrition, food safety and sanitation, consumer skills, and food preparation. Emphasis will be placed on healthy food preparation and meal management. The course combines textbook activities, food labs, and classroom projects.The materials used and reality-based concepts covered will be according to state standards

ART:

Course Number	Course Title	Credit Value	Grade Restrictions
916	Art 1	.5 (3 days)	9
917	Art 2	.5 (3 days)	10-12
918	Art 3	.5 (3 days)0	11-12
960	Painting 1	.5 (3 days)	10-12
961	Painting 2	.5 (3 days)	11-12
962	Digital Art	.5 (3 days)	10-12
964	Ceramics 1	.5 (3 days)	10-12
965	Ceramics 2	.5 (3 days)	11-12

967	Mixed Media	.5 (3 days)	10-12
966	Painting 3	.5 (3 days)	11-12
980	Advanced Topics in Art	Varies	12

916 ART 1

This is an introductory course to the visual arts. Students will develop perceptual and creative skills in observational drawing along with basic color theory. Students will explore drawing and painting techniques with a variety of subject matter that will be chosen by the teacher and students. Visual art careers, art history, art criticism, and aesthetic response will be included throughout the course.

917 ART 2

This course is designed to further develop the concepts and skills learned in Art 1 and is available for second level art students. Students will use the skills and techniques learned previously to enhance artwork in two and three-dimensional design using a variety of different media. The two-dimensional media includes graphite, charcoal, pastels, color pencil, acrylic, watercolor, and ink techniques. Three-dimensional work explored in this class includes ceramics, along with various sculpture materials. The student will develop an ability to make effective choices concerning media, techniques, subject matter, methods of interpretation, and compositional design.

Recommended Prerequisites: Teacher recommendation. Successful completion of Art 1

918 ART 3

This course is meant for third level advanced art students who have completed Art 1 and Art 2. Skills learned in Art 1 and Art 2 are incorporated and enhanced through this course. Each student will use their prior knowledge in the previous courses to investigate more thoroughly two-dimensional and three-dimensional projects. Students must show initiative and good work habits in addition to being interested in art.

Recommended Prerequisites: Teacher recommendation. Successful completion of Art 2

960 PAINTING 1

This course presents representational and abstract painting in acrylic and watercolor media with emphasis on color, composition, and value. It covers the use of materials, color mixing, and basic painting techniques.

961 PAINTING 2

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.

Recommended Prerequisite: Teacher recommendation. Successful completion of Painting 1

962 DIGITAL ART

Digital Art will focus on computer technology as a tool for design. The course will provide students with a fundamental understanding of design vocabulary, digital tools, editing skills, concepts of digital imaging software and creative application of learned skills.

964 CERAMICS

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

Students will expand their knowledge of both functional and decorative ceramics through traditional and experimental techniques. The course will provide an opportunity for personal exploration and development of sound skills.

Recommended Prerequisite: Teacher recommendation. Successful completion of Ceramics 966
PAINTING 3

Through more individualized instruction, greater independence, and an increased knowledge of painting techniques, students will continue to develop artwork that reflects a personal style. Further study of art criticism and aesthetics will continue to be part of the curriculum. This course is designed for intermediate and advanced students.

Recommended Prerequisite: Teacher recommendation. Successful completion of Painting 2 967
MIXED MEDIA

This course is designed for students who have an interest in acquiring new skills using a variety of art media. Students will have the opportunity to explore special topics and be exposed to different techniques and materials. Throughout the course, the use of creativity and craftsmanship will be emphasized to provide distinctive learning experiences.

980 ADVANCED TOPICS IN ART

This course is an Independent Study in Art. Students will be able to focus their creativity and talent in areas and mediums of Art based on their interests. The Course is intended for students who have taken all of the other courses in specific mediums (i.e. Ceramics or Painting) and desires to continue to build their skillset and express their talents. This course is offered exclusively for students in 12th Grade and only if there is available instructional time for the student and the instructor. *Recommended Prerequisite: Permission of the Instructor and approval of Administration.*

MUSIC:

Course Number	Course Title	Credit Value	Grade Restrictions
970	Guitar 1	.5 (3 days)	9-12
971	Guitar 2	.5 (3 days)	10-12
973	Band	1.0	9-12
977	Music Theory	.5 (3 days)	10-12
978	Chorus	1.0	9-12
982	Rock History	.5 (3 days)	9-12
983	Jazz Ensemble	.5 (3 days)	9-12
987	Music History	.5 (3 days)	10-12
989	Guitar Ensemble 1	.5 (3 days)	9-12
990	Guitar Ensemble 2	.5 (3 days)	10-12
991	Guitar Ensemble 3	.5 (3 days)	11-12
992	Guitar Ensemble 4	.5 (3 days)	12
993	Music of Today	.5 (3 days)	9-12
994	Song Writing	.5 (3 days)	9-12
995	Class Piano	.5 (3 days)	9-12

996	Music for Movies	.5 (3 days)	11-12
980	Advanced Study in Music	Varies	9-12

970 GUITAR 1

This course is designed for the serious guitar student. Daily practice on melodic and chord progressions will be stressed. Students will perform in a group and alone.

971 GUITAR 2

This course is designed for the second year guitar student. Daily practice on melodic, chord progressions and theory will be stressed. Students will perform in public, in a group and alone.

Prerequisite: Successful completion of Guitar 1.

973 BAND

These courses are designed for students at the various grade and experience levels. Preparation of selections for various school activities is stressed. Emphasis will be placed on scales, intonation, phrasing, articulation, expression, theory, and the history of music. Periods of literature will be performed. Participation in all band activities is necessary to meet the criteria of these courses. A student may earn up to 4 credits in Band during their High School career.

977 MUSIC THEORY

The purpose of this course is to strengthen the foundation of the serious music student. The following areas are stressed: music notation, vocabulary, rhythmic/melodic notation, and aural skills. Technology will be used to reinforce notation, aural skills and composition. Recommended for upperclassmen musicians seeking to learn the AP-level musical concepts that will be of benefit beyond the high school music classroom.

978 CHORUS

These courses are designed for students at the various grade and experience levels. The singing of music of several styles and periods of music history are covered with emphasis in the development of intonation, diction, pitch accuracy, phrasing, and interpretation. Several public performances/concerts are presented during the school year. Participation in all choral activities is mandatory. A student may earn up to 4 credits in Chorus during their High School career.

982 JAZZ AND ROCK HISTORY

This course deals with the development of rock and jazz music from its earliest beginnings. The various musical forms such as rhythm and blues, pop, rock, jazz, soul, etc. will be studied through the listening of recordings of various prominent musicians.

983 JAZZ Ensemble

This course is designed to further a student's 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.

993 MUSIC OF TODAY

This course deals with music from the 21st Century and the role it plays in our daily lives. Listening and discussion of various modern genres will be stressed.

989 GUITAR ENSEMBLE 1

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: Students must own a guitar, practice at home.

990 GUITAR ENSEMBLE 2

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: Students must own a guitar, practice at home. Successful completion of Guitar Ensemble 1

991 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: Students must own a guitar, practice at home. Successful completion of Guitar Ensemble 2

992 GUITAR ENSEMBLE 4

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: Students must own a guitar, practice at home. Successful completion of Guitar Ensemble 3

994 SONGWRITING

This course is designed for the student interested in creating original works of music. Students will learn about various approaches to songwriting, including blues, rock, and pop idioms. Topics include the importance of the song in the music industry, the relationship of words to music, song structure, and song demo production.

995 CLASS PIANO

This course is designed for students interested in developing basic piano and keyboard skills, or expanding their existing skills. Students will develop skills in playing melodies, scales, and chords, while learning to read music notation. Students will play both individually and as a group.

996 MUSIC FOR MOVIES

Students will explore and discuss the elements of film music, as well as famous film composers, actors and producers. They will also experience techniques for film scoring through research and projects. Lectures from guest artists and other elements of the film industry will also be covered.

997 ADVANCED STUDY IN MUSIC

This course is an Independent Study in Music. Students will be able to focus their creativity and talent in areas and mediums of instrumental music based on their interests. The course is intended for students who have an expressed talent with musical instruments and desires to continue to build their skillset and express their talents. This course is offered exclusively if there is available instructional time for the student and the instructor. *Recommended*

Prerequisite: Permission of the Instructor and approval of Administration. Student Audition.

COURSE CATALOG INDEX LISTING:

HEALTH AND PHYSICAL EDUCATION:

Course Number	Course Title	Credit Value	Grade Restrictions
001	Adaptive Physical Education	TBD	9-12
004	Physical Education 9 & 10	.20	9-10
003	Physical Education 11 & 12	.20	11-12
015	Health Education	.5 (3 Days)	9

005	Recreation Education	.5 (3 Days)	12
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ENGLISH:

Course Number	Course Title	Credit Value	Grade Restrictions
115	English 9	1.0	9
116	English Honors 9	1.0	9
117	English 10	1.0	10
118	English Honors 10	1.0	10
121	English 11	1.0	11
130	English Honors 11	1.0	11
141	A.P. English Language & Composition/Lackawanna Composition	1.0	12
142	Honors English 12	1.0	12
143	English 12	1.0	12
144	LCCC English	1.0	12
163	Creative Writing/Journalism	1.0	11-12
164	Keystone Literature Clinic	TBD	11-12

SOCIAL STUDIES:

Course Number	Course Title	Credit Value	Grade Restrictions
231	American Cultures 11	1.0	11
233	American Cultures Honors 11	1.0	11
234	American Cultures 9	1.0	9
235	American Cultures Honors 9	1.0	9
236	World Cultures 10	1.0	10
237	World Cultures Honors 10	1.0	10
238	American Government 12	1.0	12
239	A.P. European History	1.0	12
240	A.P. United States History	1.0	11
242	A.P. United States Govt. & Politics	1.0	12
243	21st Cent Gr. Issues/Comp. Ideology	1.0	12
245	Sociology	1.0	12
246	Psychology	1.0	12

WORLD LANGUAGES:

Course Number	Course Title	Credit Value	Grade Restrictions
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341	Spanish I	1.0	9-12
342	French I	1.0	9-12
351	Spanish II	1.0	10-12
352	French II	1.0	10-12
361	Spanish III	1.0	11-12
362	French III	1.0	11-12
371	Spanish IV	1.0	12
372	French IV	1.0	12

MATHEMATICS:

Course Number	Course Title	Credit Value	Grade Restrictions
412	Algebra 1	1.0	9-12
423	Geometry	1.0	9-12
424	Honors Geometry	1.0	9-12
433.1	Algebra 2	1.0	10-12
434.1	Honors Algebra 2	1.0	10-12
439	Honors Precalculus 11	1.0	11
440	Precalculus 11-12	1.0	11-12
441	Math 11	1.0	11
442	LCCC Math	1.0	12
443	Math Topics 12	1.0	12
444	Statistics 11-12	1.0	11-12
446	Honors Calculus	1.0	12
447	A.P. Calculus AB	1.0	12
448	Keystone Algebra I Math Clinic	TBD	9-12

SCIENCE:

Course Number	Course Title	Credit Value	Grade Restrictions
510	Biology	1.0	10
515	Honors Biology	1.0	9-10
520	Intro to Chemistry	1.0	10-11
530	Ecology	1.0	11-12
541	A.P. Biology	1.0	11-12
542	Anatomy and Physiology	1.0	10-12
543	Chemistry	1.0	10-11
544	Honors Chemistry	1.0	10-11
545	A.P. Chemistry	1.0	12
546	Integrated Science 9	1.0	9
549	Physics	1.0	11-12

551	Honors Physics	1.0	11-12
553	Nuclear and Organic Chemistry	.5	11-12
555	A.P. Physics C: Mechanics	1.0	12
556	Genetics	.5	11-12
511	Keystone Biology Clinic	TBD	10-12

BUSINESS, COMPUTER AND INFORMATIONAL TECHNOLOGY:

Course Number	Course Title	Credit Value	Grade Restrictions
622	Financial Technological Applications	1.0	11- 12
640	Accounting 1	1.0	10 – 12
641	Accounting 2	1.0	11 – 12
644	Business Law	1.0	10 – 12
646	Economics	1.0	11 – 12
647	Career Exploration	.5 (3 Days)	9
661	Multimedia Applications	1.0	9 – 12
665	Computer Programming 1	1.0	10 – 12
667	Computer Information Technology	1.0	11-12
666	AP Computer Science Principles	1.0	11-12

TECHNOLOGY EDUCATION:

Course Number	Course Title	Credit Value	Grade Restrictions
710	Technology & Society	.5 (3 days)	9-12
711	Introduction to Film Appreciation	1.0	10-12
761	AutoCAD I (Drafting 1)	.5 (3 days)	9-12
764	AutoCAD II (Drafting 2)	.5 (3 days)	10-12
767	AutoCAD III (Drafting 3)	.5 (3 days)	11-12
763	AutoCAD IV (Drafting 4)	.5 (3 days)	12

FAMILY & CONSUMER SCIENCES:

Course Number	Course Title	Credit Value	Grade Restrictions
816	Child Care & Development	.5 (3 days)	10-12
821	Family & Consumer Issues	.5 (3 days)	10-12
831	Teens in Homemaking	.5 (3 days)	9-12
869	Contemporary Foods	.5 (3 days)	9-12

ART:

Course Number	Course Title	Credit Value	Grade Restrictions
916	Art 1	.5 (3 days)	9
917	Art 2	.5 (3 days)	10-12
918	Art 3	.5 (3 days)	11-12
960	Painting 1	.5 (3 days)	10-12
961	Painting 2	.5 (3 days)	11-12
962	Digital Art	.5 (3 days)	10-12
964	Ceramics 1	.5 (3 days)	10-12
965	Ceramics 2	.5 (3 days)	11-12
967	Mixed Media	.5 (3 days)	10-12
966	Painting 3	.5 (3 days)	11-12
980	Advanced Topics in Art	Varies	12

MUSIC:

Course Number	Course Title	Credit Value	Grade Restrictions
970	Guitar 1	.5 (3 days)	9-12
971	Guitar 2	.5 (3 days)	10-12
973	Band	1.0	9-12
977	Music Theory	.5 (3 days)	10-12
978	Chorus	1.0	9-12
982	Rock History	.5 (3 days)	9-12
983	Jazz Ensemble	.5 (3 days)	9-12
987	Music History	.5 (3 days)	10-12
989	Guitar Ensemble 1	.5 (3 days)	9-12
990	Guitar Ensemble 2	.5 (3 days)	10-12
991	Guitar Ensemble 3	.5 (3 days)	11-12
992	Guitar Ensemble 4	.5 (3 days)	12
993	Music of Today	.5 (3 days)	9-12
994	Song Writing	.5 (3 days)	9-12
995	Class Piano	.5 (3 days)	9-12
996	Music for Movies	.5 (3 days)	11-12
980	Advanced Study in Music	Varies	9-12