

TAMAQUA AREA HIGH SCHOOL

PROGRAM OF STUDIES

2026-2027

The Tamaqua Area School District, in partnership with home and community, is committed to providing opportunities for students to achieve their maximum potentials as productive lifelong learners competing in an ever-changing global community

EQUAL OPPORTUNITY

Tamaqua Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex and handicap in its activities, programs or employment practices as required by Title IV, Title IX and section 504.

For information regarding civil rights, grievance procedures, or services, activities, and facilities that are accessible to and usable by handicapped persons, contact Mr. Raymond J. Kinder, Superintendent, Tamaqua Area School District.

Tamaqua High School believes we can prepare the students for this world if you choose the right courses. Students who take an easy schedule and do not challenge themselves will not be prepared. But if you plan a schedule based on your interests and abilities, which will challenge you to use and improve your capabilities, then you will be prepared for the future.

Students should ask themselves the following questions before making any course selections:

1. After considering my own abilities, interests, and limitations, what do I want to do after high school?
2. What are the most appropriate subjects that I can take in high school to help me accomplish this?

Spend time reviewing the courses offered and consider your own interests. Talk to teachers, parents, and counselors about your choices. Choose what is best for you. Challenge yourself. Prepare yourself for the future. In making your choices, read the Program of Studies carefully. It is filled with a tremendous amount of pertinent information.

We are all here to help our students achieve the best possible education. If you have any questions regarding your course selections, please make an appointment with your guidance counselor.

GRADUATION REQUIREMENTS

All regular students are required to complete the following requirements in order to receive a Tamaqua High School diploma.

Language Arts	4.0 credits
Social Studies	3.0 credits
Math	3.0 credits
Science	3.0 credits
Physical Education/Health	1.5 credits
Arts and Humanities	1.5 credits
Computer Applications I	0.5 credits
YES	0.5 credits
Other Electives	5.0 credits
Total	22.0 credits

MINIMUM CREDIT REQUIREMENTS

Each student (except Vo-tech) is required to schedule a minimum of 5.5 credits per year at Tamaqua Area High School. This is equivalent to physical education and 5.3 credits of academic courses. Community service does not count toward the 5.5 credits per year requirement. Vo-tech students are required to select 2.6 credits at Tamaqua Area High School. This is equivalent to physical education and 2.5 credits of academic courses.

PROMOTION POLICY

Any student who is deficient more than one credit in language arts will automatically be retained at his present grade level. Students will not be promoted to the next grade unless the following number of credits are achieved:

- To grade 10 – 5.3
- To grade 11 – 10.6
- To grade 12 – 16.0

Students must have a minimum grade of 50% to attend summer school.

ARTS AND HUMANITIES

All students are required to complete 1.5 credits of Arts and Humanities. All students, except Vo-tech students, will be able to count .50 credits of social studies toward this requirement. Therefore, Vo-tech students need to take 2.0 credits while other students need 1.5 credits toward this Arts and Humanities requirement. Vo-tech students may count 1.0 credit of Vo-tech courses toward this requirement. The following courses may count toward this requirement: any foreign language, industrial arts, home economics, music, art, or social studies course.

ADVANCED PLACEMENT

Advanced Placement courses are accelerated courses, which allow students to receive college credit for courses completed while the student is in high school. To qualify for college credit, the

student must achieve a particular grade in the exam that is given in May. The exam is developed and graded by the College Board Testing program. Tamaqua High School offers Advanced Placement courses in English, Biology, US History, European History, US Government/Politics, Spanish, Calculus and Physics. Students are responsible to pay for their own AP exam.

DUAL ENROLLMENT

Dual enrollment courses allow a student to receive Lehigh Carbon Community College credit for courses completed while the student is enrolled in high school. To qualify for college credit, the student must achieve a particular grade in a placement exam that is given in May. Once a student qualifies it is his or her responsibility to register at LCCC. Tamaqua High School offers dual enrollments in English, Business, Public Speaking, Marketing, Anatomy/Physiology and Calculus.

COLLEGE PREP SEQUENCE

Required/Recommended Courses:

Grade 9

Language Arts 9 (General or Honors) World History (General or Honors) Algebra I or Algebra II
Environment & Ecology (General or Honors) Modern Foreign Language I Physical Education
Computer Applications I

Grade 10

Language Arts 10 (General or Honors) American Government and Civics (General or Honors)
Algebra II or PreCalculus Honors Biology or Biology Modern Foreign Language II Physical
Education

Grade 11

Language Arts 11 (General or Honors) AP Language Economics (General or Honors) Geometry
or Pre-Calculus Survey of Chemistry/Survey of Physics Chemistry (Honors or Principles) Health
Physical Education

Grade 12

AP Literature AP Language College English or Language Arts 12
Pre-Calculus, AP Statistics or AP Calculus
Physics (AP, Honors or Principles), Anatomy and Physiology or AP Biology
Physical Education

Students should take the most challenging courses that are recommended and take as many electives as they can fit in their schedules. **Academic students should schedule more than the minimum 5.5 credits per year.**

Recommended Electives:

Community Service	Public Speaking
	Current Events
Accounting	Psychology
Personal Finance	Science Electives
GIEP Seminars (if qualified)	Creative Writing
Health Education Courses	Music Courses
Modern Foreign Languages	Computer Apps II
Web Page & Video Design	AP Courses
Criminal Justice	

VOCATIONAL TRAINING

Schuylkill County Area Vocational-Technical Schools are located in Frackville and at Marlin (near Minersville). Students that are interested in pursuing a skilled trade technical program can apply for entrance by simply filling an application during the spring of the year. All programs are three-year programs. However, a student can apply for one year of training if they so desire at any point in time

NORTH CAMPUS

Auto Mechanics Carpentry Food Preparation Masonry Automotive Technology Health Careers
Marketing and Distributive Education Occupational Child Care Small Engine Repair
Electromechanical and Automation Diesel Mechanics

SOUTH CAMPUS

Cosmetology Food Preparation Welding Residential/Industrial Electricity Auto Body
Repair/Refurbishing Plumbing and Heating Technology Machine Trades Technology Computer
Technology Computer Aided Drafting and Design Technology Agriculture
Education/Horticulture Technology

All Vo-tech students are required to schedule at least 2.60 credits at Tamaqua. Following are the required sequence of courses to be taken at Tamaqua High School. Vo-tech students must pass physical education each semester they attend TAHS.

Grade 9

Language Arts 9
Environment/Ecology
World History
Mathematics
Physical Education
Computer Applications

Grade 10

Language Arts 10
Biology
American Government and Civics
Mathematics
Physical Education

SPECIAL ISSUES

COURSE WITHDRAWAL PROCEDURES

After a course has been in session, students must carry the course to completion. Students who drop courses will receive a WF grade. Difficulty of a course is not a reason to drop a course. It is important to select the classes you wish to take carefully.

THE GRADUATION PROJECT

As part of the Chapter 4 requirements students will be asked to do a Graduation Project. The purpose of the Graduation Project is to assure that students are able to apply, analyze, synthesize, and evaluate information and communicate significant knowledge and understanding. There are four steps to the graduation project. Each year the students will be required to do two or more career-focused assignments. Each year the assignments will be filed in the students' graduation folders.

EARLY GRADUATION

If a student will earn enough credit and will meet all criteria for graduation by the end of the first semester of his/her senior year, the student will be allowed to apply for early graduation. This application must be filed with the guidance counselor no later than the last school day in May of the student's sophomore year.

All applications will be considered individually and must be accompanied by a letter of acceptance from a college, a letter from an employer relative to the coordinated career planned experience, or a statement from the parent indicating one of the above given reasons to be imminent. In the event of extenuating circumstances (i.e. physical impairment) the principal shall have the privilege of waiving the early application requirement.

Diplomas for early graduation will be presented only at the May graduation exercises. Students who are early graduates are allowed to participate in all senior activities during the second semester if the early graduate so chooses.

COOPERATIVE EDUCATION

The Cooperative Work Experience Program is a unique learning opportunity that extends classroom learning into business, industry, and the community. The opportunity to experience the workplace helps students explore career options and gather the information they need to make informed decisions about post-secondary goals.

The Cooperative Work Experience Program allows students to pursue employment in an area of their career interest. The counselor, student, parent or guardian, Principal, and the Cooperative Education Coordinator will determine a combined program of academics and work release time. Credit above and beyond the mandatory 22 credits to satisfy graduation requirements will be granted for successful completion of this program. Each student's progress is evaluated on an ongoing basis and includes the following: written evaluations from the employer, on-site visitations to observe the student, telephone evaluations with the employer, classroom instruction, and a career experience portfolio.

Students will be required to attend a mandatory Cooperative Work Experience class daily. Class presentations and discussions will include interview techniques, applications, resumes, job safety, work labor relations, potential job placements, budgets, taxes, etc.

Students are required to have the appropriate paperwork completed for an approved job. Each student must have their working papers (if under the age of 18), a training plan, and a training agreement signed by the parent or guardian, the employer, the student-learner, as well as the Cooperative Education Coordinator, and Principal, in order to participate in the Cooperative Work Experience Program.

Students can earn from one to three credits upon completion of this program. Student must be an 11th or 12th grader in order to be eligible.

**-New Course offering*

970 Educators Rising.....1.0 Credit

This course is designed for juniors and seniors interested in entering the field of education as a teacher, counselor, administrator, school psychologist or in any educational setting. The course may be taken for one or two years. This course will address a range of topics in order to help students explore the education profession. Students will learn about the profession, students, building content knowledge, engaging in responsive planning, implementing instruction, using assessments and data, and engaging in reflective practice.

Prerequisites (see Principal for final decision regarding these)

- No grades below 90% in general education courses/87% for AP-Honors courses
- No disciplinary action
- No attendance issues

LANGUAGE ARTS

A variety of Language Arts courses are offered to meet each student's aptitude and ability. Teacher recommendations will be based on classroom performance as well as standardized tests. While the majority of students will be placed in general courses, advanced courses are offered for those students who grasp material quickly and demonstrate an excellent command of basic skills. Those students will proceed through a more in-depth course of study at a quicker pace with additional independent reading/study requirements.

All students are required to take 4.0 credits of Language Arts. Neither Language Arts electives nor remediation may substitute for a Language Arts core course. Vocational technical students are required to take the same courses as all other students. To accommodate their career track, a double period of Language Arts will be designated for Vo-tech students to ensure they meet all district and state requirements in grades 10, 11, and 12.

12 LANGUAGE ARTS 9H 1.0 Credit

This honors level, reading/writing-intensive course is designed to provide students with an accelerated genre study. Throughout the course, students will complete a comprehensive study of fiction, non-fiction, poetry, allegory, and drama. Students will also study vocabulary and grammar within each unit. A structured writing program examining the writing process and various methods of organization will guide students through a variety of challenging formal and informal writing assessments. Course expectations include but are not limited to a class study of *Romeo & Juliet*, *Night*, *Animal Farm*, and other classic literature, a formal speech, and the following formal writing assignments: personal narrative, character analysis, literary analysis, poetry explication, persuasive essay, and a research paper. Students must have at least an 86% or higher in Language Arts 8 and an 86% or higher in Writing 8 in addition to a strong work ethic, in order to qualify for this advanced course. All units and activities will prepare students to be successful on the Keystone Literature exam in May. This course fulfills the requirements of a weighted course.

13 LANGUAGE ARTS 9 1.0 Credit

This course is designed to provide freshmen with a comprehensive genre study. Throughout the course, students will study fiction, non-fiction, poetry, allegory, and drama. Students will also study vocabulary and grammar within each unit. A structured writing program examining the writing process and various methods of organization will guide students through a variety of challenging formal and informal writing assessments, specifically including a personal narrative, character analysis, persuasive essay, literary analysis, and research paper. Students will also be required to read independently. All units and activities will prepare students to be successful on the Keystone Literature exam in May.

20 LANGUAGE ARTS 10H 1.0 Credit

This honors-level, reading and writing intensive course is designed to meet the PA Common

Core standards to provide students with an accelerated study of American Literature. Course expectations include but are not limited to a class study of classic and modern literature in each genre, formal speaking assignments, classroom discussions, and increased independent reading assignments. Students will continue development in the structured writing program in which writing is taught as a process and will complete multiple essays throughout the year. Students will also study SAT-based vocabulary and continue to refine previously acquired grammar skills and rules by applying them to formal writing assignments. To be eligible for tenth grade honors, a student must have at least an 86% average in the ninth grade honors course or have at least a 93% average in the non-honors ninth grade section, obtain a teacher recommendation, and score Advanced/Proficient on Keystone Literature exam in grade nine. This course fulfills the requirements of a weighted course.

21 LANGUAGE ARTS 10 S.....1.0 Credit

This course is specifically designed to satisfy the curriculum requirements in Language Arts for the student attending the Vo-Tech School.

24 LANGUAGE ARTS 10 1.0 Credit

The study of American literature is designed to acquaint students with the great writers of their native country and to meet the PA Common Core standards. Course expectations include but are not limited to a class study of classic and exemplary literature, refinement of previously learned writing and grammar skills, expansion of vocabulary, and continued practice of necessary speaking and listening skills in an educational setting.

30 LANGUAGE ARTS 11H 1.0 Credit

This honors-level, reading and writing intensive course is designed to meet the PA Common Core standards to provide students with an in-depth study of British Literature. Course expectations include but are not limited to a study of classic literature, independent reading assignments, and a variety of formal writing assignments focused on narratives, character analyses, thematic analyses, argumentation, and research. An introduction to the following critical lenses will drive analysis of course texts: feminist, Marxist, and psychoanalytic. SAT-based grammar and vocabulary units will supplement assigned reading and writing. To be eligible for eleventh grade honors, students must have earned an 86% average in the tenth grade honors course or a 93% average in the non-honors tenth grade section, obtain a teacher recommendation, and have earned an Advanced or Proficient on the Keystone Literature exam in grade nine. This course fulfills the requirements of a weighted course.

31 LANGUAGE ARTS 11 S..... 1.0 Credit

This course is specifically designed to satisfy the curriculum requirements in Language Arts for the student attending the Vo-Tech School.

34 LANGUAGE ARTS 11 1.0 Credit

This course is designed to provide students with an understanding of classic British

Literature and its relation to the modern world, and to further develop students' abilities in applicable PA Common Core standards. Course expectations include but are not limited to a study of classic literature including works such as Beowulf, Macbeth, and Frankenstein, and a continuation of developing students' writing skills through assignments such as narratives, character analyses, thematic analyses, argumentation, and research. Appropriate grammar-based instruction and SAT-vocabulary will supplement reading and writing assignments.

44 LANGUAGE ARTS 12..... 1.0 Credit

This class is designed to ensure that students are proficient in reading, writing, and speaking in preparation for higher education. Utilizing world literature, students will continue to develop their writing, reading, grammar, and critical thinking skills plus strengthen speaking skills. Formal and informal presentations are required and integral to the course. Formal writing assignments will include analyses such as Feminist, New Historicist, Psycho-analytical, and/or Marxist. Additional writing assignments may include a personal narrative, character/theme analysis, research-based comparison/contrast, and poetry explication. Literature units will be comprised of ancient and modern classic literature, analytical writing assignments, independent reading, and projects specific to the enhancement of the unit.

45 LANGUAGE ARTS 12H 1.0 Credit

This honors level, reading/writing-intensive course is designed to provide students with an accelerated study of world literature. The goals of this course include preparation for college-level written expression, enhancement of critical thinking skills, and strengthening speaking skills. Throughout the course, students will complete a comprehensive study of various cultures and their literary traditions. Additionally, students will continue to refine previously learned grammar, writing, and speaking skills by applying them to formal and informal assessments and presentations. Literature units will include classics, both ancient and modern. Formal writing assignments will include analyses such as Feminist, New Historicist, Psycho-analytical, and/or Marxist. Additional writing assignments may include a personal narrative, character/theme analysis, research-based comparison/contrast, and poetry explication. Students will complete formal, informal, individual, and group presentations. To be eligible for twelfth grade honors, a student should have at least an 86% average in Language Arts 11H or a 93% average or higher in Language Arts 11. This course fulfills the requirements of a weighted course.

51 LANGUAGE ARTS 12 S.....1.0 Credit

This course is specifically designed to satisfy the curriculum requirements in Language Arts for the student attending the Vo-Tech School.

80 COLLEGE ENGLISH 1.0 Credit

This course is offered in conjunction with Lehigh County Community College and, as such, students will have the option to earn up to 6 credits of Community College English credit while in high school. Semester one will focus on basic college writing that requires a study of the writing process, approximately eight essays, and a 10-page research paper. Semester

two will focus on literature, requiring a great deal of analytical reading and several 5-8 page papers. Because this is an advanced course, much is expected of the participants, particularly original thinking and analysis. Active participation and a strong work ethic are required for this writing-intensive course. A student must earn an 86% average or higher in Language Arts 11H or a 90% average or higher in Language Arts 11. Additionally, students must score Proficient or Advanced on the PA Keystone exam and obtain teacher recommendation in order to qualify for this advanced course. This course fulfills the requirements of a weighted course.

81 AP ENGLISH LITERATURE AND COMPOSITION.....1.0 Credit

This course, accepted in 90% of US colleges and universities plus institutions in more than 60 other countries, enables students to earn 3-6 college credits. Students must take the AP exam in May. Those students scoring a “3” or higher will send results to the universities of choice for correct placement. AP courses are the most rigorous high school has to offer and excellent preparation for post-secondary studies. Close reading of prose, poetry, and drama is required. Writing is varied and intensive. Because this course is accepted in a majority of post-secondary institutions, students are expected to write and read with increasing complexity and sophistication. Active participation is required. Prerequisite: 90% or better in Language Arts 11 Honors or successful completion of AP Language and Composition if course is taken in 12th grade. 90% or better in Language Arts 10 Honors if course is taken in 11th grade. Keystone scores and department approval are also acceptance factors.

82 AP ENGLISH LANGUAGE AND COMPOSITION.....1.0 Credit

This Advanced Placement course, accepted in 90% of US colleges and universities plus institutions in more than 60 other countries, is designed for academically prepared juniors or seniors to pursue college-level studies with the opportunity to earn college credit, advanced placement, or both. The course focuses on the development and revision of narrative, expository, and evidence-based analytic and argumentative writing and the rhetorical analysis of a variety of nonfiction texts, including essays, journalism, political writing, science writing, nature writing, autobiographies/biographies, diaries, speeches, graphics, and visual images. The selected texts give students opportunities to identify and explain an author’s use of rhetorical strategies and techniques. At the conclusion of the course, students will sit for the AP English Language and Composition Exam. Students eligible for this course must earn a 93% or better in Language Arts 10 Honors or Language Arts 11 Honors and score Proficient or Advanced on the Pennsylvania Keystone exam. This course fulfills the requirements of a weighted course and is in lieu of either a junior-level or a senior-level Language Arts course.

85 CREATIVE WRITING.....0.5 Credit

W. Somerset Maugham once stated, “We write because we have to.” Students who participate in this course understand that he was describing the press of words and ideas within them, words and ideas that they feel compelled to put to paper. Throughout the course of Creative Writing, students will have the opportunity to discover their writing niche. They’ll experience creative nonfiction, poetry, playwriting, children’s fiction, short stories,

and the start of a novel. Prerequisite: Successful completion of Language Arts 9/9H

86 PUBLIC SPEAKING..... 0.5 Credit

This course is offered in conjunction with Lehigh County Community College and, as such, will enable the student to achieve 3 credits of community college Public Speaking while in high school. English 111 is a public speaking course designed to develop self-confidence through several types of speaking situations: formal, informal, and impromptu. Students learn how to analyze an audience and how to prepare an effective presentation through research and use of visual aids. In addition, students learn to develop listening skills and a greater command of the English language. Constructive evaluation and taping of student speeches lead to self-improvement.

88 CLASSICAL INFLUENCES.....0.5 Credit

This semester-long English elective will provide students with an opportunity to build strong foundational knowledge about ancient Greek, Roman, and Scandinavian (Norse) cultures. Students will complete a comprehensive study of major creation myths, gods, and heroes of each ancient civilization and their influence on art, literature, and modern culture. Archetypal patterns, themes, and symbols within myths will be examined, and several major literary works will be studied. Prerequisite: All students must have successfully completed Language Arts 9.

90 ACTING.....0.5 Credit

This course is designed to enable beginning actors, and even those with some experience, to hone their craft through learning the basics. The course will focus on exercises for memorization, pantomime, emotional control, movement, facial expression, and improvisation. Students will be participating actively every day through in-class exercises and various performance assignments, such as movies, music videos, and skits. This course is available for students in grades 10-12.

91 INTRODUCTION TO THE HUMANITIES..... 0.5 Credit

This course is designed to introduce college-bound students to the major disciplines of the Humanities: literature, philosophy, history, drama, music, and art. The selections for this course are taken from a short, but poignant time in American Literature, “The Harlem Renaissance” (from 1920-1929). This course is writing-intensive and will demand active participation. Prerequisites: upper-class standing, college-bound.

ENGLISH/SECOND LANGUAGE

99 ESL.....1.0 Credit

This course is designed for qualifying students to serve as language arts credit. Students qualify based on a formative assessment. Students must speak with guidance counselors before selecting this course.

SOCIAL STUDIES

The Social Studies department has a series of required courses. All students, except Vo-Tech students, are required to complete 3.0 credits of Social Studies. Social Studies courses will be taught on two different ability levels. This selection will be based on student ability and performance. The majority of students will be recommended for the average ability level course. Those students with exceptional skills will be selected for the advanced sections. This group will be expected to learn the material quickly and to explore ideas behind the facts.

104/106 WORLD HISTORY 9..... 1.0 Credit

Students will study the history of the world with areas of focus including: prehistoric humans, ancient civilizations of the world, the Middle Ages and Renaissance of Western Europe, African History, the Age of Exploration, the Industrial Revolution, and world religions. Historical information will be examined and analyzed for its historical significance as well as to its impact and influence on modern society.

105 WORLD HISTORY 9 HONORS.....1.0 Credit

In addition to the regular world history curriculum, students of World History Honors will be expected to more readily engage themselves in classroom discussion and analysis of historical topics. Students will be expected to complete a wide range of writing assignments including, reports, essays, and proper research papers. Expectations for student achievement will be higher and a greater emphasis will be placed on critical thinking and analysis of historical issues and their relation to the modern day.

112 AP UNITED STATES HISTORY.....1.0 Credit

AP United States History is an intensive and challenging course intended to explore the events of America's past from the very beginning voyages of Christopher Columbus to the ideas and happenings confronting our nation today. This course will rely heavily on primary-source readings as well as research projects in order develop the necessary skills to take an analytical look at U.S. History. Students interested in this course will be required to complete a substantial research paper on a topic relating to U.S. History. *Sophomores and Juniors may take it as a Social Studies credit. Seniors may opt to take this course as an elective. Students interested in this class must maintain an A average in their previous social studies classes*

115/118 AMERICAN GOVERNMENT/CIVICS 10.....1.0 Credit

Students will explore the composition and workings of the American government in this course. The legislative, executive, and judicial branches of our governmental system as well as significant governmental documents will be analyzed and compared to other systems of government in countries around the world. Students will examine the political behavior of parties and the importance of media when it comes to elections and leadership. The

importance of voting and reasons for party affiliation will also be comprehended in American Government.

116 AMERICAN GOVERNMENT/CIVICS 10 HONORS.....1.0 Credit

In addition to the regular American Government curriculum, students of this Honors course will be expected to more readily participate in classroom discussions and analysis of the subject matter. Writing papers, creating projects, and real-life simulations will be used in the assessment process of this course as well as essay tests and quizzes.

117 AMERICAN GOVERNMENT/CIVICS 10 S.....1.0 Credit

This course is designed specifically to fulfill the 10th grade curriculum requirements in Social Studies for the student attending the Vo-tech schools.

121 ECONOMICS.....1.0 Credit

Students will examine the ways in which economics is beneficial to them in their everyday lives. Students will master key economic concepts including scarcity, opportunity cost, supply, demand, elasticity, competition and entrepreneurship. In addition to understanding key concepts students will examine the way in which these concepts relate to them and the global community. Students will take an in-depth look into America's economic history and economic challenges in an effort to develop a more sophisticated worldview. Assessments for the course will include tests, quizzes, projects and discussion groups.

122 ECONOMICS HONORS..... 1.0 Credit

In addition to the regular economics curriculum, Economics Honors students will utilize their understanding of economics terms and concepts to analyze and discuss the ways in which economics influences the world around them. Students will be expected to engage in various debates to highlight their understanding of the material that they have mastered. Assessment for the course will include tests, quizzes, projects, formal papers, debate and panel discussion.

150 CURRENT EVENTS.....0.5 Credit

Pre-requisite: Must be a junior or senior to take this course.

This course examines modern events and issues that are shaping our world as we speak. It is an examination of every facet of the social sciences. Using various forms of media, the students will analyze, discuss, synthesize and evaluate current events and issues in the world. The course will focus on local, national and global issues. Students will be expected to vocally participate in discussion of issues and will be evaluated through opinion and research papers as well as project presentations. Field trips and guest speakers will be an important part of class.

155 PSYCHOLOGY.....0.5 Credit

Pre-requisite: Must have completed 2 years in Social Studies and 0.5 credit in Health.

This course will examine the science of behavior and mental processes. Students will cover a variety of different topics that expand on the many ways the human mind works. Students will use different research methods to analyze the differences in thinking from the perspective of gender, personality, emotions, and culture. The class will center on the discussion and analysis of material. Students will be expected to write essays and complete research as a part of this class.

163 AP EUROPEAN HISTORY.....1.0 Credit

Pre-requisite: Must have 90% final average in their previous honors history classes or a 95% in a regular history class.

AP European History is a challenging course intended to be the equivalent of a freshman college course in a high school setting. The students will gain a broad knowledge of European History starting from the first European civilizations to present-day conflicts. Critical thinking skills, essay writing, and analysis of historical documents are an important part of this higher-level class.

165 CRIMINAL JUSTICE..... 0.5 Credit

This course provides an introduction to the criminal justice system. The primary goal of this course is to develop a general understanding of the criminal system's response to crime in society. It is important to note that the general theme of this course involves the delicate balance between community interests and individual rights that criminal justice process in some detail, focusing on how the system is structured to respond to crime. This requires an understanding of core elements of the criminal justice system: police, courts, and corrections.

168 AMERICA AT WAR.....0.5 Credit

The purpose of this course is to enhance student appreciation and knowledge of American wars and how those wars impacted the history of the American people as a whole. Special attention will be paid to honoring the veterans of America's wars by trying to analyze the necessity and psychological effect of warfare. The course is intended to develop a deeper understanding of American history through an accurate analysis of its military conflicts.

172 AP GOVERNMENT..... 1.0 Credit

Pre-requisite: Students must have earned a final average of at least 90% in their previous honors social studies course or at least 93% in their previous regular social studies course.

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read

and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project.

173 CREATIVITY AND PROBLEM SOLVING IN THE 21ST CENTURY 0.5 Credit

This course is designed to teach students creative problem-solving techniques and develop students' creativity levels, while also allowing the students to advance solutions to problems facing the world today. Students will have their creative abilities tested through the internationally recognized Torrance test to serve as a baseline for the students. Over the course of the semester, the students will engage in activities to enhance their creative outputs and creative problem-solving skills. Students will engage in individual and group projects using brainstorming, negative idea generation, reverse assumptions, scenario-based problem-solving, perspective, cause/effect relationships and utilization of the subconscious for idea generation. Topics involving sustainability, pollution, poverty, governments and government decisions, entrepreneurship, and the future of schooling will be discussed.

MATHEMATICS

Students should carefully select their math courses with the help of the guidance counselors and math teachers. The correct math background is a necessity for many fields of study. Students are required to complete 3.0 distinct credits of mathematics. Computer Programming 1 and 2 and Business Math may not count toward fulfillment of the 3.0 required math credits. In order to enroll in Honors courses (Geometry or above), students must score at least proficient on the Algebra Keystone Exam.

221 ALGEBRA 1..... 1.0 Credit

Topics covered include, but are not limited to real numbers, equations, inequalities, functions, systems, exponentials, polynomials, quadratics, radicals, rational expressions, and data analysis. This course is required for graduation. **Students must pass the Keystone Algebra I Exam in order to graduate.**

223 ALGEBRA 2..... 1.0 Credit

225 ALGEBRA 2 HONORS.....1.0 Credit

Topics include, but are not limited to expressions, equations, inequalities, functions, graphs, linear systems, and quadratics. Topics also include polynomials, radicals, rational expressions and exponents, logarithmic functions, sequences and series. Quadratic relations, conic sections, and matrices are introduced. Other topics include probability and statistics, periodic functions, and trigonometry. This course is required for graduation. The honor's section will develop special projects and/or work with graphing calculators.

Prerequisite: Successful completion of Algebra 1.

228 GEOMETRY.....1.0 Credit

233 GEOMETRY HONORS.....1.0 Credit

Geometry is the branch of mathematics which deals with the development of logical reasoning by examining the properties of points, lines, planes, angles, polygons, circles, and solids. Emphasized topics include but are not limited to angle measurements, congruent triangles, similarity, right triangles, perimeter, area, volume, surface area, the properties of parallel lines, the use of proofs with right triangles, the classification of quadrilaterals, the basic right triangle relationships, and the various arcs and angles associated with circles.

Prerequisite: Successful completion of Algebra I and previous enrollment in Algebra 2.

239 AP STATISTICS.....1.0 Credit

Prerequisites: Keystone Algebra 1 Exam (P or A); Algebra II (86% or higher) OR Algebra II Honors (80% or higher); Permission from previous Math teacher

Note: Students may be enrolled in this course simultaneously with Geometry. However, they may not take the course in lieu of Geometry. Students can be simultaneously enrolled in Geometry or PreCalculus while taking AP Stats.

AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: 1) exploring data by using graphical and numerical techniques; 2) sampling and experimentation; 3) anticipating patterns by studying probability distributions; and 4) statistical inference (estimating population parameters and testing hypotheses). The use of calculators and computer software will be integrated throughout the course. Students will be expected to complete homework, quizzes, exams, statistical studies and projects. The students will be prepared to take the Advanced Placement Statistics exam given by the Educational Testing Service to receive college credit in Statistics. The use of calculators and computer software will be integrated throughout the course.

241 Pre-Calculus/Trigonometry.....1.0 Credit

This course is intended for students going on to college algebra or other introductory college math courses. The first semester will focus on an intensive review of high school algebra topics; functions and graphs; polynomial, power, and rational functions. The second semester will focus on trigonometric functions; analytical trigonometric functions; and applications of trigonometry. A graphing calculator is required.

Prerequisite: Successful completion of the Algebra sequence.

242 Pre-Calculus HONORS (By teacher referral only).....1.0 Credit

This course is intended for students planning on taking Calculus in high school or college. Topics covered but not limited to include functions and graphs; polynomial, power, and rational functions; exponential, logistic, and logarithmic functions; trigonometric functions; analytic trigonometry; applications of trigonometry; systems and matrices; analytic geometry in two and three dimensions; discrete mathematics; and an introduction to calculus: limits, derivatives, and integrals. A graphing calculator is required.

Prerequisite: Successful completion of the Algebra sequence and Keystone Algebra 1 Exam (P or A);

240 AP CALCULUS w/ANALYTIC GEOMETRY.....1.0 Credit

Primarily intended for students majoring in science, mathematics, or engineering. Topics include data analysis, limits, differentiation with applications (optimization and related rates), and integration. Consideration of numerical techniques of integration and Newton's Method is undertaken. This course will be dually enrolled with Lehigh Carbon Community College. Successful completion of two semesters will earn the student 4 college credits (MAT 191). Students may also choose to take the AP Calculus AB Exam in May. In order to be eligible for this part of the course, the student will have to pass a test administered by the college. This is a college course and will be taught at a college level. A graphing calculator is required. An additional prerequisite is for the student to have scored Advanced or Proficient

on their Keystone exam.

Pre-requisite: Successful completion of Pre-Calculus.

SCIENCE

Tamaqua Area High School's science department presents a wide variety of courses in an attempt to satisfy the educational needs and interests of all students. The following listing identifies the course offerings. It is recommended that students note those courses, which are required at the freshmen and sophomore level, as well as those courses, which are recommended for the science oriented, academic student. Prerequisites determine acceptance into some courses. Students should review course listings to be sure that all prerequisites have been met. Science teachers will offer advice or recommendations for electives based on the individual's career goals.

300 ENVIRONMENT AND ECOLOGY.....1.0 Credit

Environment and Ecology is a full year course required of the student not taking Honors Environment and Ecology. The course provides a foundation in the aspects of the natural environment, and in the modern techniques used to investigate environmental problems. The course is also designed to expose students to the social, political, economic, and ethical concerns that are necessary to define and address environmental issues in today's world. The course also focuses on Ecology. Students will study the distribution and abundance of life and examines the interactions of organisms with their natural environment. Emphasis will be given to symbiotic relationships, biomes, ecosystem structure and stability.

302 HONORS ENVIRONMENT AND ECOLOGY 1.0 Credit

Environment and Ecology Honors is grounded in the complexity of the world we live in and our impact on its sustainability. Environment and Ecology Honors examines the world with respect to the economic, cultural, political, and social structure as well as natural processes and systems. This course will have an emphasis on critical thinking and mathematical applications. Prerequisites include a 90% or better average in 8th grade science.

ENVIRONMENT AND ECOLOGY S..... 1.0 Credit

Environment and Ecology S is designed to meet the curriculum requirements in Environment and Ecology for the student attending STC. The course provides a foundation in the aspects of the natural environment, and in the modern techniques used to investigate environmental problems. The course is also designed to expose students to the social, political, economic, and ethical concerns that are necessary to define and address environmental issues in today's world. The course also focuses on Ecology. Students will study the distribution and abundance of life and examines the interactions of organisms with their natural environment. Emphasis will be given to symbiotic relationships, biomes, ecosystem structure and stability.

308 AP BIOLOGY 1.2 Credit

Prerequisites include a 90% or better average in both Honors Biology and Honors Chemistry (can be taken concurrently), and recommendation of current Science teacher. Additionally, students must have scored Proficient or Advanced on the PA Biology Keystone exam.

This course is a junior or senior elective designed to prepare students for the AP Biology exam in May. Students are expected to take the AP Biology exam, as that is the intent of the course. Emphasis will be on 4 Big Ideas – Evolution, Energy, Information Transfer and Interaction of Biological Systems.

Students will expand upon many topics studied in Honors Biology. Class will meet 6 times per week to allow for the completion of numerous labs including the 8 required AP Biology labs.

310 HONORS BIOLOGY..... 1.4 Credit

*Prerequisites include an 86% or better average in Honors Environment and Ecology OR 90% or better average in Environment and Ecology I and II.

This is a rigorous course designed for the science oriented, college bound student. A molecular based approach will be utilized throughout the course. Selected topics include, but are not limited to, the scientific method, biochemistry, cell biology, microbiology, genetics, plant and animal physiology, and evolution. A strong emphasis will be placed on inquiry lab work and other hands on activities. In addition to tests and quizzes, assessment will also include lab reports, projects and activities designed to develop critical thinking skills. Students will submit a project for the Annual Science Fair in lieu of a final exam.

313 BIOLOGY 1.0 Credit

Biology is a full year course required of the student not taking Honors Biology. This course will cover basic biological principles, the chemical basis of life, bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, and the theory of evolution. Biology will help to prepare students to take the Biology Keystone Exam in May. Students must pass this exam in order to graduate. Qualitative and quantitative lab work will be incorporated into most topics.

321 BIOLOGYS 1.0 Credit

This course is designed to meet the curriculum requirements in Biology for the student attending STC.

347 RESEARCH TOPICS IN BIOLOGY..... 0.25 Credit

Scheduling by Appointment Only

In this course the student will identify a problem, design and conduct independent research using the scientific method to solve said problem. The student will be required to submit an APA style research paper. The student will present this paper orally to the science faculty. The student may schedule this course only after consulting a biology teacher.

350 HONORS CHEMISTRY 1.4 Credit **Prerequisites include a 90% or better average in Honors Biology OR a 95% or better in Biology. Algebra II is required.**

This course is for college bound students who intend to major in science or a related field. It is a more rigorous and accelerated course than Chemistry. This course will cover all of the topics included in Chemistry with more comprehensive analysis and application. In addition to the topics covered in Chemistry, students will study thermochemistry, gas and solution stoichiometry, acid-base chemistry, chemical equilibrium, and environmental chemistry. A strong emphasis will be placed on qualitative and quantitative lab work.

351 AP CHEMISTRY..... 1.0 Credit **Prerequisites include a 93% or better average in Honors Chemistry, a 90% or better in Honors Algebra II or a 93% or better in Algebra II, and science teacher recommendations.**

This full-year course is a senior elective intended to prepare students for the AP Chemistry exam in May. The AP Chemistry course is designed to provide students with a college-level foundation in chemistry and support future advanced chemistry courses. Students will expand upon many topics studied in Honors Chemistry. AP Chemistry students will gain a comprehensive understanding of the fundamentals of chemical and mathematical problem solving. The course focuses on six big ideas, including: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Class will meet 5 times per week.

354 CHEMISTRY..... 1.4 Credit **Prerequisites include an 85% or better average in Honors Biology OR a 90% or better in Biology. Algebra I is required and Algebra II is recommended.**

This course is intended for the college bound student who does not intend to major in science or a related field. Topics to be covered include dimensional analysis, atomic structure, periodic trends, electron configurations, chemical nomenclature, chemical bonding, chemical formulas and equations, stoichiometry, and gas laws. Qualitative and quantitative lab work will be incorporated into most topics.

355 INTEGRATED SCIENCE 0.5 Credit

Students are enrolled in this course based on need only.

Integrated Science III is a semester course designed for students that did not score Proficient or Advanced on the Biology Keystone Exam. Students are enrolled in this course based on these scores. This course will cover basic biological principles, the chemical basis of life, bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, theory of evolution, and ecology.

358 SURVEY OF CHEMISTRY..... 0.5 Credit

This is a one semester course. Students not taking Chemistry or Honors Chemistry must choose two of the three Survey courses (Survey of Chemistry, Survey of Physics or Survey of Earth and Space) to complete the science requirement. This course covers the fundamentals of Chemistry. The topics studied in this course will include states of matter, atomic structure, the periodic table, chemical bonding, chemical reactions, and the different facets of chemistry, such as environmental chemistry. It also introduces students to Material Safety Data Sheets. Note: May not be taken by a student who has passed or is currently enrolled in Chemistry or Honors Chemistry. Students are also required to take both Survey of Chemistry and Survey of Physics.

359 SURVEY OF PHYSICS.....0.5 Credit

*As an Algebra based course, completion of Algebra I is recommended prior to enrollment in this course.

This is a one semester course. Students not taking Chemistry or Honors Chemistry must choose two of the three Survey courses (Survey of Chemistry, Survey of Physics or Survey of Earth and Space) to complete the science requirement. This is a one-semester, algebra-based physics course. It is intended for students who have an algebra background and is part of the science requirement for the general student and must be taken with Survey of Chemistry. Topics include forces and motion, thermodynamics, wave motion, electricity, and radioactivity. This allows students to have a very general knowledge of physics.

372 SURVEY OF EARTH AND SPACE..... 0.5 Credit

This is a one semester course. Students not taking Chemistry or Honors Chemistry must choose two of the three Survey courses (Survey of Chemistry, Survey of Physics or Survey of Earth and Space) to complete the science requirement. This course will introduce students to the concepts of Space Systems, Earth's History, Earth Systems and Weather/Climate. Topics include, but are not limited to the Big Bang, life-cycle of stars, structure and composition of the Earth, plate tectonics, weather and climate feedback mechanisms.

361 HONORS PHYSICS..... 1.4 Credit

***Prerequisites include at least a C average in Honors Chemistry OR an A in Chemistry and at least a B in Pre-Calculus prior to taking this course.**

This is a two-semester physics course. Although a minimal amount of calculus is used, it is still intended for students with a strong mathematical background who intend to major in a science-related field. Topics include Newtonian mathematics, thermodynamics, wave motion, electricity, light and optics, and modern physics. This class meets seven times per week and is 1.4 credits.

362 A.P. PHYSICS 1.....1.0 Credit

***Prerequisites include an A average in Pre-Calculus prior to taking this course.**

This one-semester, double-period, Physics course is designed for the student who exhibits a strong command of the mathematical and scientific methods and is planning on majoring in a science-related field in college. This intensive course prepares students to take the AP Physics 1 exam in the spring. As this is the intent of the course, students taking this course are expected to take the A.P. Physics 1 Exam.

General topics for this course are Kinematics; Dynamics: Newton's Laws; Circular Motion; the Universal Law of Gravitation; Simple Harmonic Motion; Momentum, Work and Energy; Rotational Motion; Electrostatics: Charge and Force; DC Circuits: Resistors; and Mechanical Waves and Sound. These topics will be studied at an accelerated rate with a large amount of self-direction, learning, and responsibility placed on the student in preparation for the individual responsibilities of college. Course work will be reinforced through lab work that emphasizes the interpretation and analysis of experimental data.

This course meets during a double block period 5 days per week or 10 class periods per week during the fall semester and is worth 1 credit. Unless prior arrangement/permission is granted before the school year, this class must be taken along with A.P. Physics 2

363 A.P. PHYSICS 2.....1.0 Credit

***Prerequisites include AP Physics 1**

This one-semester, double-period, Physics course is designed for the student who exhibits a strong command of the mathematical and scientific methods and is planning on majoring in a science-related field in college. This intensive course prepares students to take the AP Physics 2 exam in the spring. As this is the intent of the course, students taking this course are expected to take the A.P. Physics 2 Exam.

General topics for this course are Thermodynamics; Fluids: Statics and Dynamics; Electrostatics: Fields and Potential; RC Circuits; Magnetism & EM Induction; Optics; and Modern Physics. These topics will be studied at an accelerated rate with a large amount of self-direction, learning, and responsibility placed on the student in preparation for the individual responsibilities of college. Course work will be reinforced through lab work that emphasizes the interpretation and analysis of experimental data.

This course meets during a double block period 5 days per week or 10 class periods per week during the spring semester and is worth 1 credit. Unless prior arrangements/permission is granted before the start of the school year, this class must be taken along with A.P. Physics 1.

364 PHYSICS..... 1.4 Credit

*** Prerequisites include Algebra 2 prior to taking this course. It is strongly recommended that the student also concurrently be taking at least Pre-Calculus.**

This is a two-semester, non-calculus-based physics course. It is intended for students with a good mathematical background who are college-bound since many colleges require a senior lab science for admittance into certain programs. This course fulfills that requirement. Topics include the study of Newtonian mathematics, thermodynamics, wave motion, and light and optics. This class meets seven times per week and is 1.4 credits.

365 TECHNOLOGY IN SCIENCE 0.5 Credit

Technology and Science is an elective course pertaining to the study of technology throughout history as well as technologies in today's world. This is a project-driven course whereby the students will investigate not only past technologies to see why we are where we are today, but also emerging technologies to help make the student a better citizen of tomorrow. Topics include (but are not limited to): genetic engineering, eugenics, nuclear sciences, mathematical models, and artificial intelligence.

369 Survey of Physics 2 0.5 Credit

This is one-semester, algebra 1-based physics course. It is intended for students who have an algebra background and a continuation of Survey of Physics. It is a senior science elective for the general student and cannot be taken in lieu Survey of Chemistry to fulfill the science credit. Topics include Circular Motion; Simple Harmonic Motion: springs and pendulums; Energy: conservation, elastic, and capacitor; Electricity: equivalent resistance and capacitors, Thermodynamics: expansion, heat absorption/loss, transfer and latent heat; Waves: interactions and EM waves; Optics: mirrors and lenses.

382 ANATOMY AND PHYSIOLOGY..... 1.2 Credit

***Prerequisites include prospective students successfully completing three years of Science - Environment and Ecology (or Honors Environment and Ecology), Biology (or Honors Biology), Chemistry (or Honors Chemistry) and securing the signature of their current science teacher. This course can also be taken by juniors who are concurrently enrolled in Chemistry or Honors Chemistry. Additionally, students must have scored Proficient or Advanced on the PA Biology Keystone exam.**

An elective offered as a Dual Enrollment course through LCCC (BIO 163 and BIO 164), primarily for seniors interested in preparing for a career in nursing, allied medical fields, physical education, occupational therapy, radiology, or physical therapy. The course meets six times per week and is designed as a detailed study of the structure and physiology of the human body systems with a concentration on how the systems coordinate to maintain

homeostasis. Several dissections are required as part of the curriculum.

373 Introduction to Microbiology..... 0.5 Credit

This is a one-semester elective course. This introductory course in microbiology is designed for high school students to explore the fascinating world of microorganisms and their critical roles in various fields, including food, medicine, and the environment. Through hands-on experiments, interactive lessons, and real-world applications, students will gain a fundamental understanding of the diverse types of microbes such as bacteria, viruses, fungi, and protozoa, and how they impact human health, the environment, and industries. Key concepts covered include:

1. **Microbial Diversity:** Introduction to the various types of microorganisms, their structure, and functions.
2. **Food Microbiology:** Exploring the role of microbes in food production, fermentation, spoilage, and foodborne diseases. Students will also learn about the microbiological safety of food.
3. **Medical Microbiology:** Examining how microorganisms affect human health, including the study of pathogens, immunity, vaccines, antibiotics, and the spread of infectious diseases.
4. **Environmental Microbiology:** Understanding the role of microbes in natural ecosystems, including their involvement in nutrient cycling, bioremediation, and environmental contamination.

By the end of this course, students will be able to identify the essential role that microorganisms play in everyday life, from maintaining ecological balance to advancing medical and technological innovations. This course prepares students for future study in the biological sciences and related fields.

374 Introduction to Botany..... 0.5 Credit

This introductory botany course is designed for high school students to explore the fascinating world of plants and their importance to life on Earth. Students will develop an understanding of plant biology, structure, growth, reproduction, and ecological significance through hands-on activities, field studies, and interactive lessons.

Key concepts covered include:

1. **Plant Structure and Function:** Students will learn about the different parts of plants, including roots, stems, leaves, and flowers, and how each part contributes to the plant's survival and reproduction.
2. **Plant Growth and Development:** Exploration of the processes that drive plant growth, such as photosynthesis, respiration, and transpiration, as well as factors that affect plant growth like light, water, and nutrients.

3. **Plant Reproduction:** An introduction to the various methods plants use to reproduce, including sexual and asexual reproduction, pollination, seed formation, and germination.
4. **Plant Classification and Diversity:** Students will study the classification of plants, learning to identify major plant groups such as angiosperms (flowering plants), gymnosperms (conifers), ferns, and mosses, and understanding their evolutionary relationships.
5. **Ecology and Plant Interactions:** Examining the role of plants in ecosystems, including their interactions with animals, other plants, and the environment. Topics will include plant-plant competition, symbiosis, and the importance of plants in food webs.
6. **Human Uses of Plants:** Investigating the ways in which plants are essential to human life, including food, medicine, textiles, and environmental sustainability.

Through experiments, projects, and outdoor exploration, students will gain a deeper appreciation for the importance of plants and their role in sustaining life on Earth. This course prepares students for further study in biology, environmental science, agriculture, and related fields.

375 Introduction to Genetics..... 0.5 Credit

This introductory genetics course is designed for high school students to explore the fundamental principles of heredity and how traits are passed from one generation to the next. Students will gain an understanding of DNA, genes, and chromosomes, and how these biological molecules influence the characteristics of living organisms. The course will also cover the role of genetics in evolution, biotechnology, and human health.

Key concepts covered include:

1. **Basic Principles of Heredity:** Introduction to Gregor Mendel's laws of inheritance, including dominant and recessive traits, genotype and phenotype, and Punnett squares for predicting genetic outcomes.
2. **Structure and Function of DNA:** Students will learn about the molecular structure of DNA, how it carries genetic information, and how it replicates to ensure the passing of traits to offspring.
3. **Genes and Chromosomes:** Exploration of the relationship between genes and chromosomes, the organization of genetic material, and how mutations can affect gene expression and lead to genetic disorders.
4. **Genetic Variation and Evolution:** An overview of how genetic variation arises through processes like mutation, genetic recombination, and natural selection, and how these factors contribute to evolution and adaptation.
5. **Biotechnology and Genetic Engineering:** Introduction to modern techniques in biotechnology, including genetic modification, CRISPR, cloning, and the ethical implications of manipulating genetic material.

6. **Human Genetics:** Study of human inheritance patterns, genetic disorders, and the role of genetics in medicine, including genetic counseling, testing, and the impact of genetics on health and disease.
7. **Genetics in Agriculture and Conservation:** Examining the application of genetics in agriculture, including the development of genetically modified crops, and the role of genetics in conservation efforts and biodiversity.

Throughout the course, students will engage in experiments, case studies, and discussions that allow them to connect genetic theory to real-world applications. By the end of this course, students will have a strong foundation in genetics, preparing them for further studies in biology, medicine, biotechnology, and related fields.

376 Introduction to Astronomy..... 0.5 Credit

This is a one-semester elective course. This introductory astronomy course offers high school students a comprehensive exploration of the universe, from the Earth and Moon to the farthest reaches of space. Through a combination of lectures, hands-on activities, and observations, students will develop an understanding of key astronomical concepts and phenomena.

Key topics covered include the structure of the solar system, the history and science of space exploration, the lifecycle of stars, the nature of galaxies, and the mysteries of black holes and dark matter. Students will learn about the movement of celestial bodies, the principles of light and optics, and the tools used in modern astronomy such as telescopes and space probes. Additionally, the course will explore the potential for life beyond Earth and examine the science behind the search for exoplanets.

This course emphasizes scientific inquiry, critical thinking, and the use of mathematical concepts to understand astronomical data. By the end of the course, students will gain a broader perspective of our place in the universe and an appreciation for the scientific processes that shape our understanding of space.

BUSINESS

Business courses reflect the increased application of technology. Many business courses can be taken for personal use and for other career areas. Articulation agreements with local colleges will allow you to take advanced placement tests.

420 BUSINESS MATH 1.0 Credit

Business Math is a course for the student who seeks specific skills in mathematics to address the real-world application of solving business and consumer problems. During the first half of the course, students will learn the basics of personal business mathematics including income, banking, credit cards, loans, automobile transportation, housing costs, insurance and investments. The second half of the course will involve business mathematics with instruction in human resource personnel, production, purchasing, sales, marketing, accounting, and financial management. The final project will consist of creating a Business Plan for a fictitious business, which will help in aiding student understanding of the material for real-world application.

421 BUSINESS MATH FOR COLLEGE 0.5 Credit

This course is designed for students planning to enter a Business-related technology area in college. Topics include: Banking, Markups/Markdowns, Payroll, Interest, Promissory Notes, Home Ownership, Taxes, Insurance, Stocks, Bonds, and Mutual Funds. Computers and calculators will be used.

430 ACCOUNTING I 1.0 Credit

Accounting 1 is an introductory course to accounting concepts and procedures. Students learn the manual and computer accounting cycle for a service business. In the second half of the course, accounting systems and procedures (manual and computer) for a merchandising business is studied.

432 ACCOUNTING II.....1.0 Credit

Prerequisite: 430 Accounting 1

Accounting 2 is a career-oriented course for students interested in pursuing an accounting, or a related career. Work is done with depreciation, bad debts, interest, accruals/deferrals, combination journal, notes payable/receivable, inventory systems, and partnerships/corporations. Students will also complete computer projects for merchandising businesses, payroll procedures, and spreadsheets.

440 BUSINESS LAW 0.5 Credit

Business Law is designed for the student interested in the legal concepts of modern business. Students will be introduced to the legal principles of criminal, civil, and procedural law before examining the heart of business law – contracts. Other areas of study include sales, negotiable instruments, forms of business ownership, and the Uniform Commercial Code. In addition, topics of current concern including ethics, computer crime, and corporate expansion

are also explored.

442 CONSUMER LAW.....0.5 Credit

Consumer Law enables students to examine the practical legal issues related to their daily lives, both now and in the future. The course utilizes a “life Cycle” approach that evolves around relevant issues such as: being a consumer, agency employment, planning for the future, using purchasing power, and looking toward later life. Notable personal law coverage includes buying and insuring a car, renting and buying property, marriage, divorce, retirement, and the use of personal credit.

444 PERSONAL FINANCE 0.5 Credit

Personal Finance is a course for the student who would like to understand wants, needs, and values and how these affect personal financial decisions. All students are consumers. They spend, they save, they try to budget; they think about homes, cars, careers, and families in their future. They need to be informed about their various financial responsibilities today and to prepare for the real choices ahead.

In order to prepare students for their financial futures, the topics covered during this half-year course will be: career decisions, money management, financial security, credit management, personal decision making including housing, real estate and automobiles, insurance, and consumer rights and responsibilities.

448 COMPUTER APPLICATIONS II- Digital Exploration 1.0 Credit

Prerequisite: 446 Computer Applications I-Final Grade 86%

A full year advanced level course designed to give students experience in a variety of Microsoft Office and Adobe Suites with integration of current Web 2.0 tools. The focus of the course is to expand student knowledge of cutting edge programs and tools. Students will use a variety of media to complete real world projects and applications essential in higher learning.

449 COMPUTER APPLICATIONS I.....0.5 Credit

The student will learn many features of the Internet, and improve word processing skills. This course also includes: keyboarding; spreadsheets; database; and presentation software. The student can use these skills for their personal use and for assignments required in other classes. MOUS certification testing is available for those students who qualify.

450 ADVANCED COMPUTER APPLICATIONS 1.0 Credit

Prerequisites: Middle School Computer Teacher Recommendation

The student will learn many advanced features of the Microsoft Office Suite software applications: word processing, spreadsheets, database, desktop publishing, and presentation software. The student can use these skills for their personal use and for assignments required in other classes. This course is designed for individuals with

proficient knowledge of the keyboard and basic computer procedures. Students will work to explore a variety of search methods geared towards becoming more proficient in academic research. In addition, students will also work towards creating digital publications and website creations which demonstrate this acquired knowledge gathered through research.

460 INTRODUCTION TO MARKETING.....0.5 Credit

Introduction to Marketing is an introductory course to marketing concepts and principles. Students will learn the importance and fundamentals of marketing through market planning, segmentation, and the marketing plan. Students will perform business and marketing tasks in projects and course presentations. Students will use learned marketing concepts in a real world application in conjunction with the community.

***Students have the opportunity to earn 3 college credits through LCCC.**

470 ADVANCED IMAGE & VIDEO PRODUCTION.....1.0 Credit

Prerequisites: Computer Applications 2- Final Grade 86% or CA 2 Teacher Approval

This full year Advanced Image & Video Production course is a structured, intense, and fast-paced course designed for students who are interested in creating professional quality prints, videos, and video effects. The course demands students' attention to detail, focus, organization, creativity, and quality of finished projects and is designed to mimic a college level production course. Attendance is essential.

472 Y.E.S. (YOUR EMPLOYABILITY SKILLS 1).....0.5 Credit

This half of the certificate program (both 472 and 473 are needed for certification) offers coursework that helps students develop the fundamental skills employers require to maintain a well trained workforce. Specific to this course, students will review the following modules: Interpersonal & non-verbal communication, career path, job search skills, cover letter & resume writing skills, interviewing strategies, personality profiles, etiquette, introduction to teamwork and team effectiveness , and other topics that lead to workplace success. Student will tour two workstations and take part in a mock interview. The complete certificate offered by completing both courses (471 A&B) are endorsed by many regional employers, and students completing the program are considered to be "preferred applicants" by employers throughout Pennsylvania including the Northeast Pennsylvania Manufacturers and Employers Council.

473 Y.E.S. (YOUR EMPLOYABILITY SKILLS 2).....0.5 Credit

This half of the certificate program (both 472 and 473 are needed for certification) offers coursework that helps students develop the fundamental skills employers require to maintain a well trained workforce. Specific to this course, students will review the following modules: Listening skills, feedback, customer service, health & safety, entrepreneurship, emotional intelligence, substance abuse, sexual harassment in the workplace, time management, goal

setting, personal finance, total compensation, paradigm shift, professional impact, quality, meeting skills, conflict management, problem solving, diversity and leadership, and other topics that lead to workplace success. Student will tour two workstations and take part in a community service project. The complete certificate offered by completing both courses (471 A&B) are endorsed by many regional employers, and students completing the program are considered to be “preferred applicants” by employers throughout Pennsylvania including the Northeast Pennsylvania Manufacturers and Employers Council.

463 INTRODUCTION TO BUSINESS.....0.5 Credit

This course will provide a comprehensive introduction to the key operations of the business world –its organization, the different forms of businesses, environmental concerns, and managerial context, while increasing student awareness of business functions and the business environment. Underlying business concepts will be discovered through the study of real-world examples. The knowledge that students will have acquired by the end of this semester course will serve as a solid foundation on which more focused and concentrated business studies can be applied. Course is open to juniors, and seniors.

***Students have the opportunity to earn 3 college credits through LCCC.**

250 COMPUTER PROGRAMMING 1 0.5 Credit

Many college curriculums require a course in computer programming. This course is an elementary introduction to programming using the Visual Basic language. Students will learn to create their own software for the microcomputer. Flow-charting will be presented to help develop problem solving skills and decision-making. Program design consistent with software engineer standards, debugging techniques, and documentation will be covered.

251 COMPUTER PROGRAMMING 2 0.5 Credit
Pre-requisite: Computer Programming 1

This course is an elementary introduction to object-oriented programming using the C++ language. C++ is a structured programming language many colleges use in introductory programming classes. Pseudo-code will be presented to help develop problem solving skills and decision-making. Program design consistent with software engineer standards, debugging techniques, and documentation will be covered.

FOREIGN LANGUAGE

The following programs are recommended for Tamaqua students:

College Career (Two or four-year post high school education courses)

9th Grade- Foreign Language I

10th Grade- Foreign Language II

11TH and 12th grades – a minimum of Foreign Language III

Tech Prep Careers:

9th Grade- Foreign Language I

Foreign Language courses may be used to fulfill the Arts and Humanities credits required.

520 GERMAN I 1.0 Credit

Students will learn to converse about their world -about music, clothing, sports, family, etc. The ability to communicate is stressed along with correct pronunciation through conversations, songs, games, and puzzles. The student will learn the grammar of the spoken language. Students will also become familiar with the life and surroundings of the people whose language they are studying. Speaking skills will be strengthened through exercises that elicit personal reactions from the student, memory, guessing games and songs.

523 ADVANCED GERMAN II 1.0 Credit

Prerequisites: Completion of German I with a 94% or higher and recommendation of German I instructor

Advanced German II reviews and expands understanding, speaking, reading and writing of German for everyday living. Students increase their active vocabulary and knowledge of grammatical structures as they learn about German culture. Conversations, dialogues, narrative readings, audiovisual materials, CD Rom programs and feature length film studies focus on life in German-speaking countries. Using German actively is emphasized. Students learn to assume leadership roles in peer practice activities, quarterly research projects and presentations. Students will read at least one graded reader.

525 ADVANCED GERMAN III 1.0 Credit

Prerequisites: Completion of German II with a 94% or higher and recommendation of German II instructor.

Advanced German III strengthens and refines the student's ability to understand, speak read and write German. German is used in all individual and group activities to develop fluency. Students read short stories, fiction, poetry and articles in German magazines and newspapers to discover and identify common concerns and difficulties in modern life. Students will read at least two graded readers and are involved in quarterly projects.

528 ADVANCED GERMAN IV.....1.0 Credit

Prerequisites: Completion of German III with a 94% or higher and recommendation of German III instructor.

Advanced German IV continues to strengthen the active use of German. Students read a variety of readings and literature selections to gain an understanding of the German culture. Discussions increase conversational fluency through the exchange of ideas. Authentic and simulated materials, such as videos, cassettes, and interactive computer opportunities promote communication with native speakers. Students develop main ideas and practice self-correction of vocabulary and structure with individual guidance in writing compositions.

540 SPANISH I..... 1.0 Credit

The student will learn to converse about his world of sports, family, food, etc. Correct pronunciation through conversation and games is stressed. Simple grammar rules of the spoken language will be presented and emphasized. The student will become familiar with the lifestyles and customs of the Spanish-speaking world. Participation in classroom activities and conversation is required.

543 ADVANCED SPANISH II.....1.0 Credit

Prerequisites: Completion of Spanish I.

Advanced Spanish II will be an intensified study of vocabulary and grammar topics. Greater emphasis will be placed on conversational, writing, and reading skills through the integration of reading units, skit activities, and essays. Each unit will include a required speaking activity. Students will be expected to study vocabulary and do more practice outside the classroom. Short stories and reading comprehension will be introduced and used to support and supplement vocabulary.

545 ADVANCED SPANISH III.....1.0 Credit

Prerequisites: Completion of Advanced Spanish II.

Advanced Spanish III begins preparation for the AP Spanish Language and Culture Exam. Students will focus on advanced grammatical topics and vocabulary study. Students will read authentic Hispanic literature for reading comprehension and vocabulary enrichment and will listen to authentic recordings for listening comprehension. Each unit will include a required speaking activity. Units will be expanded to include projects that entail speaking, reading, writing, and presentation.

548 AP/ADVANCED SPANISH IV.....1.0 Credit

Prerequisites: Completion of Advanced Spanish III.

AP/Advanced Spanish IV will be a hybrid of Advanced Spanish IV and AP Spanish Language and Culture. The course will consist of grammar review, the introduction of new and advanced grammatical structures, intense vocabulary study, reading comprehension, listening comprehension, presentations, and conversations. In addition, it will be an intense preparation for the AP Spanish Language and Culture Exam at the end of the year.

Spanish Independent Study.....0.5
Credit

Pre-requisite: Instructor approval and successful completion of Spanish I, Advanced Spanish II, Advanced Spanish III, and AP/Advanced Spanish IV.

Spanish Independent Study is a semester course that is open to students who have finished their four years of Spanish studies prior to Senior year. The course consists of a review of advanced grammatical structures, specialized vocabulary study, and reading and listening comprehension. Students read authentic literary works, including poetry, excerpts from novels, short stories, and essays. Listening comprehension activities expose students to native speakers in real-life situations. Emphasis is placed on the development of oral proficiency in the form of presentations, informal conversations, and interviews.

FINE & PRACTICAL ARTS

The fine & practical arts area offers students an opportunity to explore talents, individually and collectively. Fees are associated with many courses in the Fine and Practical Arts.

602 INTRODUCTION TO ART..... 1.0 Credit

This is a survey course open to all students. In this course students will explore a variety of techniques using various media. Both two-dimensional and three-dimensional approaches will be included. There will be an emphasis on learning basic drawing skills. Students will also become familiar with basic vocabulary, concepts and fundamentals relating to the field of art.

606 DRAWING AND PAINTING 1.0 Credit

Pre-requisite: Introduction to Art is encouraged but not required.

This course is designed to meet the needs of those students who are interested in gaining greater skill in drawing and painting. Half of the course will be devoted to rendering various types of subject matter using a variety of drawing media such as pencil, charcoal, pen and ink, chalk and oil pastels. The remaining half of the course will include depicting a variety of subject matter using watercolors, acrylic paints and mixed media.

608 THREE-DIMENSIONAL DESIGN/CERAMICS 1.0 Credit

Pre-requisite: Introduction to Art or Drawing and Painting I or Instructor approval

This course is designed to provide students with a more comprehensive background in the visual arts. The focus of this course will be on three-dimensional processes and other craft oriented production methods. A significant portion of this course will include an introduction to hand built ceramics. Students will gain a basic knowledge of techniques and materials used in the production of pottery. Students will create a variety of functional, as well as sculptural clay pieces, which will be fired and glazed.

609 ADVANCED DRAWING AND PAINTING 1.0 Credit

Pre-requisite: A grade of 86 or higher in Drawing and Painting or a grade of 86 or higher in Introduction to Art and Instructor approval.

This course will allow for a more in-depth study of the concepts and techniques presented in Introduction to Art and Drawing and Painting I. Figure drawing, perspective, color theory and an introduction to various art movements throughout history will be included in this course. Pencil, charcoal, pen and ink, acrylic paint, oil paint and watercolors will be some of the media used in this course.

610 INDEPENDENT ART STUDY.....0.4 Credit

Pre-requisite: Instructor Approval and two of any of the following courses: Introduction to Art, Drawing and Painting I, Drawing and Painting II, 3-Dimensional Design/Ceramics, Photo 1 and 2, Printing 1 and 2, Graphic Design. This will be open to

students who are planning a career in art. Students will work independently with guidance from the instructor while preparing an art portfolio. Students must be able to attend a minimum of two classes per week in order to receive .4 credits. Independent Art Study will take place during other scheduled art classes. Please see the instructor for scheduling arrangements.

611 ADVANCED THREE-DIMENSIONAL DESIGN/CERAMICS.....1.0 Credit

Pre-requisite: An overall grade of 86% or higher in Three-Dimensional Design/Ceramics or Instructor Approval

This course is designed as a higher-level individualized experience creating three-dimensional media in the visual arts. Built off of the skills learned in the pre-requisite course, students will engage in advanced hand-built projects along with a deeper focus on pottery wheel techniques. A large primary focus of this course is to develop creative and rational thinking strategies and confidence within experimentation. Each advanced student will partake in sustained investigations within their work throughout the year, focusing on the subjects and ideas that interest them in order to create a cohesive theme within their artworks.

620 RAIDER BAND.....1.0 Credit

This course provides the opportunity for talented and experienced instrumentalists to participate in ensemble and large group instruction and performance. During the first nine weeks, members will participate in marching band. The second, third, and fourth quarters will be devoted to the rehearsal and performance of various concert band repertoire, with the exception of community functions where a marching band is required. Some extra-curricular time is required (e.g. during football season). Public performances are expected since this course is both a fine and performing art. Proficiency on an instrument is required to be a part of this organization.

621 JAZZ CHORALE..... 0.6 Credit

The jazz chorale is a small select group of vocalists selected by **audition only** by the chorale director. Auditions are held annually in late May. The chorale performs at various times during the school year for school and civic activities. The chorale performs music from jazz, pop and show idioms. Members are also encouraged to be part of the Concert Choir.

622 CONCERT CHOIR..... 0.4 Credit

Concert choir is a large, mixed ensemble open to **any** student (male or female) who enjoys singing and performing. Music of many different style periods will be performed from pop, to show, to classical music. No audition is required. Concert Choir will join Jazz Chorale in a Christmas and Spring Concert as well as attend a choral festival each spring.

623 MUSIC THEORY I..... 0.5 Credit

Attention vocalist & instrumentalist. If you play guitar, piano or any band instrument or you

like to sing and want to learn a deeper understanding of how music is put together, this is the class for you. In this class, the basic concepts of music; melody, harmony, rhythm and tone color will be taught. Students will learn to read and write basic melodies, chord progressions, rhythmic patterns as well as sing music at sight. After taking this class you will never look at your music the same way.

624 MUSIC THEORY II 0.5 Credit

Music Theory II is a continuation of Music Theory I, with greater emphasis on part writing and sight singing and music dictation. *This course is designed to be a preparation course for serious students who are planning to take music as a major in college.*

625 BAND FRONT..... 0.25 Credit

This course provides the opportunity for students to learn, master, and perform the arts of baton twirling, flag twirling, or cheerleading. Throughout this course, the students will participate as a member of the Raider Marching Band, including performances such as football games and parades. After the first marking period, the students will be placed in a study hall or half-year elective course for the second, third, and fourth marking periods. Although the course is mainly in the first quarter, students are expected to attend community functions, which may occur at any point during the school year. Students will be required to attend practices, for the entire band, as well as, individual squad practices. The practices for members are mandatory and may be held after school hours.

635 INSTRUMENTAL MUSIC LESSONS..... 0.2 Credit

Open to any student who wishes to take lessons on an instrument of his/her choice. Lessons will be limited to band instruments only. Lessons will be given from method books and music designed to foster better musicianship. All lessons will be given by appointment during study halls and or lunch periods. Lessons will be scheduled through all four quarters. Students must provide their own instrument.

643 NUTRITION AND WELLNESS..... 0.5 Credit

This course analyzes factors that influence nutrition and wellness practices across the life span. The student will analyze the effect of nutrients on health, the relationship of nutrition and wellness, the effects of food and diet fads, food addictions, and eating disorders on wellness. Students will demonstrate the ability to select, prepare and serve nutritious foods.

644 FOOD PRODUCTION AND SERVICES..... 0.5 Credit

This course integrates knowledge, skills and practices required for careers in food production and services. Students will plan menus, practice food and food production safety, prepare foods utilizing a variety of food products, and practice proper purchasing, storage and handling of food.

645 FOOD PRODUCTION AND SERVICES II.....0.5 Credit

In this course, students will put into practice concepts and knowledge discussed in the lecture class. In the first segment, students will learn proper handling and fabrication of center of the plate protein items. Students will also learn proper cooking techniques for various proteins including moist heat, dry heat, and combination cooking methods. Appropriate plating and presentation methods will also be addressed. In the second segment, students will learn basic techniques to successfully produce high quality baked goods including ingredient identification, proper measurement, and adherence to recipes. Prerequisites: Food Production I

648 HOUSING AND INTERIOR DESIGN..... 0.5 Credit

This course integrates knowledge, skills, and practices required for careers in housing and interior design. The student will apply design knowledge, skills, processes, and theories and oral, written, and visual presentation skills to communicate design ideas. The student will appraise various interior furnishings and apply design knowledge skills utilizing a variety of media such as power point, sketches, or sewing project. Students will supply their own textile materials.

655 TEXTILES, FASHION, AND APPAREL..... 0.5 Credit

This course integrates knowledge, skills, and practices required for careers in textiles and apparels. Students will practice skills needed to produce, alter, or repair fashion, apparel, and textile products. Students will generate a textile design or project. Students will supply their own textile materials.

660 FAMILY AND PARENTING..... 0.5 Credit

This course evaluates the effects of parenting roles and responsibilities on strengthening the well-being of individual and families. The student will evaluate parenting practices that maximize human growth and development. Students apply and assess common practices and emerging research about human growth and development, discipline, and criteria for selecting care for children. Reality Baby is available for a practical, hands-on experience.

680 PHOTO 1..... 1.0 Credit

In this course, students will learn the foundations of photography while learning both digital and traditional darkroom photography. Students may compare the ease and practicality of digital photography with the artistry and spontaneity of darkroom photography. There is a course fee of \$30.00 to take this course. There are no course pre-requisites.

683 PHOTO 2.....1.0 Credit

Pre-requisite: PHOTO 1

In this course, Students will take the foundational skills learned in Photo I and apply it to advanced or alternative processes such as Polaroid image transfer, darkroom experimentation, mosaic, cyanotype, and many more. There is a course fee of \$30.00 to take this course. Course pre-requisite for Photo 2 is to earn an 80% or higher in Photo 1.

681 PRINTING 1.....0.5 Credit

In this course, students will learn the foundations of design as applied to the process of screen-printing. Students will create original designs and print them onto shirts and much more. Multiple color projects and iron on processes will also be explored. There is a fee of \$20.00 to take this course. There are no course pre-requisites.

682 PRINTING 2.....0.5 Credit
Pre-requisite: Printing 1

In this course, students will use the foundational knowledge from Printing one and applying to it to other printmaking techniques. Mono-printing, Collagraphic printing, Intaglio printing, and Relief printing processes will be explored. There is a \$20.00 fee for this course. Course pre-requisite: Student must earn an 80% or higher in Printing 1.

684 PORTFOLIO.....0.4 Credit

This course was developed for students interested in pursuing photography or graphic design as a career. In this course you will develop a graphic design or photography portfolio that will serve as a cross-section of your style and may be used to submit to colleges for acceptance. Course pre-requisites: passing scores for both Photo I and Photo 2 or Graphic Design, depending on their area of concentration.

685 GRAPHIC DESIGN.....0.5 Credit

In this semester class, students will use the elements of design and technology to explore the world of graphic design. Students will learn how to create professional-level, original graphics using computer programs in the Adobe Creative Suite. No prerequisites.

688 PHOTOJOURNALISM 1.....1.0 Credit

This course is designed to teach you the fundamentals of photojournalism and graphic design as it applies to high school publications like the **school yearbook**. You will learn how to use images to tell a compelling story while being published in the pages of the school yearbook and other school publications.

No fee or course pre-requisites apply but the course is for juniors and seniors only.

PHYSICAL EDUCATION

To meet state and school requirements for graduation, freshmen and sophomores will take physical education three times a week - Monday, Wednesday, and Friday. Juniors and seniors will take physical education two days a week - Tuesday and Thursday.

Students in grades 9 and 10 will participate in the activities listed below. Students in grades 11 and 12 will choose from 2 or 3 possible electives on the first day of class each quarter.

710 9th – 10th GRADE PHYSICAL EDUCATION.....0.3 Credit

I. Introduction

A student must earn 1 credit in Physical Education as a part of their graduation requirements at Tamaqua High School. All freshmen and sophomore students will be scheduled for class on Monday, Wednesday, and Friday,

Our basic philosophy is to provide a variety of activities that will promote and encourage lifetime fitness and wellness. Through this type of exposure we are confident students will understand the benefits of exercise, may it be skill related or health related, and the impact it can have on their health. No only are we looking to help students improve their physical health understanding but also many avenues of our mental and social health as well.

II. Program of Study

Freshmen/Sophomore physical education students have a prescribed program of study. There will be 6 activities that will be on a 30 rotation. The students will no longer only have 1 activity per quarter.

Rotation of 30 Days	Health Related	Skill Related
	9th Grade	10th Grade
1	Aerobic Fitness	Ultimate
2	Anaerobic Fitness	Water Polo / Survival Skills
3	Adventure Activities / Games	Climbing / Line Dancing
4	Stroke Refinement/ Endurance	Pickleball
5	Weight Training 1	Horseshoes / Spikeball
6	Mountain Biking	Softball

III. Grading

Participation: 60%

- Change into proper PE attire (bottoms, tops, and sneakers)
- Highly active participation and self-motivation

- Demonstrates & models positive behavior & attitude
- Active engagement in skill & fitness development during class
- Demonstrates ability to evaluate and assess strategies & rules associated with activity

Skill Testing: 20%

- Skill testing *WILL NOT* be based on an individual's athletic ability or how he or she compares to others in his/her grade and/or class.
- Skill testing will be based on our department designed rubric that monitors a student's progress.

Written Testing: 20%

- There will be a minimum of 3 quizzes per semester based on the concepts relative to making a person become more healthy in a physical, mental and social aspect.

Students that DO NOT change into appropriate clothing or DO NOT participate in their physical education class will receive a zero for the particular day of the occurrence. Anyone missing more than the allowed excused absences, 3 excused absences per quarter do not need to be made up, excused absences after 3 must be made up. Excused absences include, but are not limited to: absent from school, medical excuse, parental note, and school field trip. Any unexcused absences or class zeros may not be made up.

IV. Medical Excuses

If a student cannot participate in the regular course of study for an extended period of time a medical excuse is required. Depending on the nature of the injury or illness an alternate activity may be advised to meet the needs of the student with permission from the physician. (Adapted Physical Education forms are available from any P.E. instructor). (Example) If a doctor gives a medical for no physical education for six weeks, your child will have to make- up at least 15 PE classes if they are a freshman or sophomore; and at least 10 PE classes if they are a junior or senior. Please, ask the doctor to give your child the option to do something in Physical Education class so that they may receive credit without making any classes up.

At no time will students receive credit for participation by score keeping, writing reports, or other types of writing assignments.

V. Conclusion

If you ever have any questions or concerns please feel free to contact your child's instructor. We may be reached by calling the high school office at 668-1901.

711 11th and 12th GRADE PHYSICAL EDUCATION.....0.2 Credit

I. Introduction

A student must earn 1 credit in Physical Education as a part of their graduation requirements at Tamaqua High School. All junior and senior students will be scheduled for class on Tuesday and Thursday.

Our basic philosophy is to provide a variety of activities that will promote and encourage lifetime fitness. Through this type of exposure we are confident students will understand the benefits of exercise, may it be skill related or health related, and the impact it can have on their health .

II. Program of Study

Rotation of 30 Days	Health/Skill Related	Fitness as We Age
	<i>11th Grade</i>	<i>12th Grade</i>
1	Racquetball	Hiking/Orienteering
2	Bowling	Table Tennis
3	Weight Training 2	Archery
4	Badminton	Weight Training 3
5	Volleyball	
6	Tennis	Disc Golf

III. Grading

Participation: 60%

- Change into proper PE attire (bottoms, tops, and sneakers)
- Highly active participation and self-motivation
- Demonstrates & models positive behavior & attitude
- Active engagement in skill & fitness development during class
- Demonstrates ability to evaluate and assess strategies & rules associated with activity

Skill Testing: 20%

- Skill testing *WILL NOT* be based on an individual's athletic ability or how he or she compares to others in her grade and/or class.
- Skill testing will be based on our department designed rubric that monitors a student's progress.

Written Testing: 20%

- There will be a minimum of 3 quizzes per semester based on the concepts relative to making a person become more healthy in a physical, mental and social aspect.

Students that DO NOT change into appropriate clothing or DO NOT participate in their physical education class will receive a zero for the particular day of the occurrence. Anyone missing more than the allowed excused absences, 2 excused absences per quarter do not need to be made up, excused absences after 2 must be made up. Excused absences include, but are not limited to: absent from school, medical excuse, parental note, and school field trip. Any unexcused absences or class zeros may not be made up.

IV. Medical Excuses

If a student cannot participate in the regular course of study for an extended period of time a medical excuse is required. Depending on the nature of the injury or illness an alternate activity may be advised to meet the needs of the student with permission from the physician. (Adapted Physical Education forms are available from any P.E. instructor). (Example) If a doctor gives a medical for no physical education for six weeks, your child will have to make up at least 15 PE classes if they are a freshman or sophomore; and at least 10 PE classes if they are a junior or senior. Please, ask the doctor to give your child the option

to do something in Physical Education class so that they may receive credit without making any classes up.

At no time will students receive credit for participation by score keeping, writing reports, or other types of writing assignments.

V. Conclusion

If you ever have any questions or concerns please feel free to contact your child's instructor. We may be reached by calling the high school office at 668-1901.

HEALTH

780 HEALTH..... 0.5 Credit

To meet state and school regulations, health will be required of all students in their sophomore or junior year.

GIFTED COURSES

954 *GIFTED SEMINAR*.....0.2/0.3 Credit

This course is offered to students who have been identified as gifted according to state regulations. The course is comprised of student designed and driven projects with the instructor acting as mentor to the student. These projects may be done independently or in groups depending on student needs and the nature of the project. This course may be taken as an independent study or within an allotted class period.

