

PROGRAM OF STUDIES 2010-2011

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MISSION STATEMENT

Pathways to Success

Tantasqua Regional High School is a learning community that presents students with numerous pathways to success. Our school provides students of different interests, abilities, and goals with a variety of meaningful and challenging opportunities for achievement. These opportunities foster life-long learning through academic, career, and personal growth. Tantasqua enables students to develop a sense of citizenship and to act responsibly within the school community and within our multi-cultural world.

All Tantasqua students will have sufficient opportunities to accomplish the following academic, civic, and social expectations:

Academic Expectations

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

Civic Expectation

- Display an understanding of the participatory nature, responsibilities, and benefits of citizenship and community service in a representative democracy.

Social Expectations

- Demonstrate respect, responsibility, and maturity in interactions within the school community.
- Display tolerance and understanding in our multi-cultural world.

GENERAL INFORMATON

The Program of Studies has been arranged to be sufficiently flexible to meet the needs of every student. One hundred forty (140) credits are required in order for students to graduate. All students must carry twenty (20) credits per semester and the equivalent of eight (8) five credit courses per year. All students must take a course in English each year. In addition, all students must take and pass Freshman Literature, Introduction to Physics or Honors Biology, World History, and Physical Education in the ninth grade. All students must take and pass Sophomore English, Biology or Chemistry, United States History I, Physical Education and Health in the tenth grade. Students in eleventh grade must take and pass United States History II. Minimum course distribution credit requirements and MCAS test requirements are also indicated below.

Minimum Graduation Requirements

English	20
Mathematics	15
Science	15
History/Social Studies	15
Physical Education	7.5
Health	2.5
Fine or Practical Arts	5

	80
Electives	60

TOTAL	140

Promotion Requirements

Grade 10	30 Credits
Grade 11	65 Credits
Grade 12	100 Credits

Honor Roll

At the end of each of the four marking periods an honor roll is published listing students who are included on one of two lists, Highest Honors or Honors. To attain Highest Honor Roll status a student must receive an 'A' in all subjects. To attain Honor Roll status a student must receive 'A's or 'B's in all subjects. Students must take a minimum of four courses to be eligible for honor roll recognition.

Minimum Graduation/MCAS Requirements

	Classes of 2011 - 2014 Minimum Graduation Requirements
<u>Credits</u>	Grade 9 to 10 = 30 Grade 10 to 11 = 65 Grade 11 to 12 = 100 Graduate = 140
<u>English</u> 20 credits	Take an English course every year Pass Freshman Literature Pass Sophomore English Pass two, five credit courses in two of the following three categories: American British World
<u>Math</u> 15 credits	Pass a total of 15 math credits at an appropriate level
<u>Science</u> 15 credits	Pass Introduction to Physical Science (or H Biology in grade 9) Pass Biology Pass other science elective(s)
<u>History</u> 15 credits	Pass World History or World Civilizations Pass US History I Pass US History II
<u>Life Skills</u> 10 credits	Pass Physical Education (7.5 credits) Pass Health (2.5 credits)
<u>MCAS</u>	Pass Science with minimum score of 220 Pass ELA & Math with minimum score of 240 or 220 with completed EPP

Recommended Courses for College Placement

With the integration of the academic and technical divisions, students are able to consider courses from either discipline provided prerequisites are met and space is available. Students planning to go to a four-year college upon graduation will find that minimum requirements for most institutions include the following:

<u>Courses of Study</u>	<u>Discipline</u>
4	English
3	Mathematics (Algebra I, Geometry, Algebra II)
3	Laboratory Science
2	History/Social Science (United States History)
2	Foreign Language

A recommended program for a student seeking admission to more competitive and selective colleges would include the following:

<u>Courses of Study</u>	<u>Discipline</u>
4	English
4	Mathematics
4	Laboratory Science
4	History/Social Science
4	Foreign Language

Students are encouraged to seek the advice of their guidance counselor and teachers in choosing courses. Parent(s)/guardian(s) are urged to call the guidance office if they have any questions.

Computation of Grade Point Average (GPA) and Rank

For grades 9 through 12, the weighting policy for Grade Point Average (GPA) and class rank is as follows: Only final grades in academic courses - English, foreign languages, mathematics, science, and history/social studies - are considered for purposes of GPA and class rank. Each of these courses has been designated advanced placement (AP), honors (H), college preparatory (CP), or standard (S) in descriptions that follow. GPA and class rank are computed with additional weight for advanced placement and honors and less weight for standard courses. One point is added for advanced placement and honors courses, one point is subtracted for standard courses. For example, an 'A' in an honors course is considered 5.0 points, in a college preparatory course 4.0 points, and in a standard course 3.0 points. Similarly, a grade of 'B' in an honors course is considered 4.0 points, in a college preparatory course 3.0 points, and in a standard course 2.0 points. An 'F' receives no points, regardless of course level. Final grades earned in summer school courses are computed at the standard level weight. Students who repeat courses previously passed do receive quarter and final grades. Credit is not allotted, however, nor is the final grade from the repeated course counted in the computation of the GPA. Students who retake a course previously failed do receive credit and their final grade is calculated in the GPA. GPA and class rank are computed at the end of each semester.

The purpose of this system is to encourage students to take challenging programs and to provide for greater equity in the determination of GPA and class rank. Students who choose advanced placement or honors courses should do so with the knowledge that these courses will demand considerably more than average effort.

Course Level Definitions

Advanced Placement and Honors

Content:

Course work consists of highly challenging material presented at an accelerated pace for students of above average ability, motivation, and achievement. Successful completion of these courses will provide students with the knowledge base and critical thinking skills needed for competitive four-year colleges.

Students are expected to:

- a. Evaluate, synthesize, generalize, and extend from the concrete to the abstract.
- b. Regard situations from multiple perspectives, realize implications, and recognize parallel situations.
- c. Communicate with clarity and effectiveness.
- d. Demonstrate sound research and study skills.
- e. Exhibit self-confidence, intellectual flexibility, and independence.

College Preparatory

Content:

Course work offers students a solid academic foundation suitable for a wide range of post-secondary school options, including, but not limited to, four-year colleges, two-year colleges/training programs, and technical/vocational programs.

Students are expected to:

- a. Demonstrate motivation to learn at a moderate pace and the ability to organize ideas.
- b. Analyze and evaluate specific situations.
- c. Make inferences regarding cause and effect, similarities, and differences.
- d. Develop sound research and study skills.

Standard

Content:

Course work is designed to provide considerable direction and assistance to students whose interest, aptitude, and achievement require greater concentration on and attention to the development of basic skills in core academic and related areas. Post-secondary options are determined by the student's academic development, motivation, goals, and include two-year colleges/training programs, and technical/vocational programs.

Students are expected to:

- a. Learn to organize, interpret, analyze, generalize, and evaluate data.
- b. Learn to apply and connect knowledge to life situations.
- c. Develop sound organizational and study skills.
- d. Develop competencies in verbal and written expression.

GUIDANCE DEPARTMENT

The Tantasqua Guidance Department promotes respect for the individual and his or her uniqueness. The comprehensive and developmental counseling and guidance program assists all students in planning to achieve their potential and in realizing their personal/social, educational and career development.

Tantasqua's counseling and guidance program helps students recognize their needs, interests, abilities and goals. Counseling professionals work in partnership with students, parents and staff to establish a safe and nurturing environment in which students are able to learn. A trusting relationship is encouraged between counselor and counselee.

Counseling Services

Guidance counselors are assigned students alphabetically for four years. They provide the following services as part of the curriculum:

- counsel students on an individual and group basis.
- assist students in developing the ability to make decisions regarding personal/social, academic and career-related issues.
- broaden educational and career options for students.
- assist students with the college search and application process.
- assist students with course selection and scheduling.
- monitor student progress.
- assist students in utilizing information technologies.
- maintain student records.
- administer standardized tests and college entrance testing.
- provide updated financial aid and scholarship information.
- facilitate the NCAA Initial-Eligibility Clearinghouse process.
- assist in the development of Educational Proficiency Plans.
- participate in the pre-referral process.
- participate in team meetings.
- promote communication with and serve as a resource for students, parents and staff.
- promote internships and/or work-study opportunities for students.
- collaborate with outside professional agencies and community resources.
- make referrals for personal or educational support.
- file mandated reports.
- educate and promote compliance with the anti-harassment policy.

PERSONAL COUNSELING – Growth and development, crisis intervention, interpersonal relations, student advocacy

EDUCATIONAL SERVICES – Academic monitoring, course selection and credit review, post high school planning, vocational assessment, college/ military representative visits, computerized search programs, college application process

CAREER SERVICES – Aptitude and interest surveys, internships, job shadowing opportunities, guest speakers, cooperative work experiences, computerized career search program, career information sessions

ASSESSMENT – Standardized achievement testing, state mandated testing, college entrance testing

CONSULTATION/REFERRAL – Parent/staff consultations, student, teacher, parent conferences; pre-referral to other school services, referrals to outside agencies

INFORMATION SERVICES – Student/parent educational programs, orientation programs, daily bulletins, informational mailings, course selection sessions, open house and tours

PROFESSIONAL SERVICES – Department meetings, faculty/staff meetings, staff professional growth activities, professional association memberships.

Equal Opportunity

The Tantasqua Regional School District ensures equal educational opportunity in all its programs and activities. All programs, services, courses of study and co-curricular activities are offered without regard to race, color, sex/gender, religion, national origin, sexual orientation, disability, or homelessness in compliance with federal and state law. Any student or parent/guardian having a question, concern or complaint is invited to contact the school principal or equal opportunity coordinator.

ENGLISH DEPARTMENT

The English Program is an elective, individualized program in which students will select their English courses within the framework of the following general regulations:

1. All students must pass Literature and Composition I and II in order to graduate.
2. Students electing honors (H) or advanced placement (AP) courses may do so only with the recommendation of teachers within the department.
3. Students must have at least one English course totaling five credits on their schedule every year they are at Tantasqua. There are no exceptions to this rule. Students are encouraged to take additional English courses every semester.
4. By the time they graduate, students will have taken and passed at least 20 credits of English in grades nine through twelve. In addition to taking and passing Literature and Composition I and II, students must take and pass at least one course from two of the following three categories: American, British, World studies. These two courses may be taken at any time in any order, but a student planning his/her schedule each year must take special care that this requirement is met by the end of the senior year.
5. Students are then allowed to choose any of the courses from any of the four categories.
6. Advanced Placement (AP) English Literature and Composition and Advanced Placement (AP) Language and Composition fulfill the requirement for any of the literature categories.

COURSE OFFERINGS

Introductory Courses

Introduction to High School English (S)

Literature and Composition I (H, CP, S) (Required of all freshmen)

Literature and Composition II (H, CP, S) (Required second course)

Students must also take and pass at least one literature course from two of the following Core Literature Categories. Students are encouraged to take additional courses from the elective Communication/Enrichment category.

Core Literature Categories

American Studies

1. Readings in American Literature (CP, S)
2. Studies in American Literature (H, CP)
3. Advanced Placement (AP) English Literature and Composition (H)
4. Advanced Placement (AP) English Language and Composition (H)

British Studies

1. Readings in British Literature (CP, S)
2. Studies in British Literature (H, CP)
3. Shakespeare's World (H, CP)
4. Advanced Placement (AP) English Literature and Composition (H)
5. Advanced Placement (AP) English Language and Composition (H)

World Studies

1. African/Asian/African-American Literature (H, CP, S)
2. Classical Works and World Poetry (H, CP)
3. Readings in European Literature and Philosophy (H, CP)
4. Advanced Placement (AP) English Literature and Composition (H)
5. Advanced Placement (AP) English Language and Composition (H)

Electives

Communications Studies /Enrichment Studies

1. Classics of American Cinema (CP, S)
2. English for Employment (CP, S)
3. Journalism: Newspaper (H,CP, S)
4. Journalism: Yearbook (H,CP,S)
5. Literature of the Fantastic (H, CP, S)
6. Literature of Psychology (H, CP)
7. Media/TV Production (H, CP, S)
8. Sports Literature (CP,S)
9. Technical Writing/Technical Literature (CP, S)

COURSE DESCRIPTIONS

TITLE:	Introduction to High School English
COURSE NO:	(S) 0029
OFFERED:	1 st Semester
CREDITS:	5 Credits
LEVEL:	S
PREREQUISITES:	Recommendation
GRADE:	9

DESCRIPTION OF COURSE: This course prepares ninth grade students for the kinds of reading, writing, and thinking required by Literature and Composition I and all other high school English courses. Students will read a wide variety of literature in various genres and write daily in order to improve basic skills. In addition, the course will stress research and study skills necessary for success in high school.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

TITLE:	Literature and Composition I
COURSE NO:	(H) 0047 (CP) 0048 (S) 0049
OFFERED:	Semester
CREDIT:	5 Credits
LEVELS:	H, CP, and S
PREREQUISITES:	None
GRADE:	9

DESCRIPTION OF COURSE: Students in this course will explore the elements of fiction and various genres of literature, including the short story, drama, poetry, and the novel. Students will also study vocabulary and the basics of composition as they respond to the literature. In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Compositions will include analytical, persuasive, descriptive, and narrative writing assignments. Students will learn the fundamentals of writing a research or I-Search paper employing the Modern Language Association guidelines.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate ability to use technology appropriately to subject areas.
- Exhibit ability to read, write, and communicate.

TITLE: **Literature and Composition II**
COURSE NO: (H) 0023 (CP) 0024 (S) 0025
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: H, CP, and S
PREREQUISITES: Literature and Composition I
GRADE: 9-10

DESCRIPTION OF COURSE: The objective of the Literature and Composition II course is to reinforce at a more sophisticated level and depth the genres of literature, elements of literature, grammar, composition, language, and technology previously taught. Poetic and literary terms will be defined, identified, and applied. In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Compositions will include personal, analytical, persuasive, descriptive, and narrative writing assignments.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

American Studies

TITLE: **Readings in American Literature**
COURSE NO: (CP) 0011 (S) 0012
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP and S
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: This course will include a comprehensive study of major American writers; students will integrate historical context and personal perspective into the

literature explored. Students will study American literature through reading, discussion, and interpretation. Important works of such writers as Poe, Hawthorne, Melville, Thoreau, Emerson, Douglass, Hemingway, Fitzgerald, Faulkner, Hansberry, Wolff, Oates, and O'Connor will be studied. In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: description, argumentation, narration, and exposition.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

TITLE: Studies in American Literature
COURSE NO: (H) 0018 (CP) 0019
OFFERED: Semester
CREDIT: 5 credits
LEVELS: H and CP
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: Students will analyze and interpret a number of the most important American writers of the 19th and 20th centuries. Students can expect to read several full books and major excerpts from other works by writers such as Poe, Emerson, Thoreau, Twain, Hawthorne, Melville, Chopin, Fitzgerald, Hemingway, Steinbeck, Faulkner, Miller, Wright, and Vonnegut. Honors students will assume responsibility for reading two additional books. In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: description, argumentation, explication, narration, and exposition.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, and communicate.

British Studies

TITLE: Readings in British Literature
COURSE NO: (CP) 0002 (S) 0003
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP and S
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: This course will review the language and varying genres of literature of England from the Anglo-Saxons through the twenty-first century. Students will read, interpret, and analyze literary works as well as apply information in a discerning manner. Students will study *Beowulf* and other works by authors such as Chaucer, Shakespeare, Jonson, Swift, Milton, Blake, Wordsworth, Tennyson, the Bronte sisters, Dickens, Woolf, and others. In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: description, narration, argumentation and exposition.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

TITLE: **Studies in British Literature**
COURSE NO: (H) 0004 (CP) 0005
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: H and CP
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: This course will review the language and varying genres of literature of England from the Anglo-Saxons through the twenty-first century. Students will read, interpret, and analyze *Beowulf*, works by Chaucer, major British poets, and several novels by Austen, the Bronte sisters, Dickens, Hardy, Woolf, and others. In addition to extensive and challenging reading, students will complete frequent reflections about the literature under study, various short writing assignments and exercises, and write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: description, narration, argumentation, explication and exposition.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interest, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, and communicate.

TITLE: **Shakespeare's World**
COURSE NO: (H) 0008 (CP) 0009
OFFERED: Semester
CREDIT: 5 credits
LEVELS: H and CP
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: This course examines why Shakespeare remains the world's most popular and most respected writer. Students will read nine plays, chosen from comedies, histories, and tragedies. Students will be introduced to Shakespeare in a gradual fashion, allowing them to grow in comprehension and appreciation. Students will gain knowledge of Shakespeare's life and times, his poetic devices, his gift for dialogue, and his skill as a dramatist. Students will apply this knowledge through a wide range of activities and approaches: audio and videotapes, reading aloud, brief acted scenes, outside reading, and class discussion. Students will write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: explication, exposition, argumentation, description and narration.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, and communicate.

World Studies

TITLE: African, Asian and African-American Literature
COURSE NO: (H) 0076 (CP) 0077 (S) 0078
OFFERED Semester
CREDIT: 5 Credits
LEVEL: H, CP, and S
PREREQUISITE: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: Students will study traditional patterns of life and thought, including religious traditions in Africa and Asia. Through a variety of primary sources, news articles, and literature, students will explore the ancient, modern and contemporary cultures of India, China, Japan, and several African countries. Students will explore the unique experiences of African Americans and Asian Americans through a variety of readings from the nineteenth, twentieth, and twenty-first centuries. In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: description, narration, argumentation, and exposition.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interest, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, and communicate.

TITLE: Classical Works and World Poetry
COURSE NO: (H) 0035 (CP) 0036
OFFERED: Semester
CREDIT: 5 Credits
LEVEL: H and CP
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: This course will explore the roots of Western thought and literary tradition in ancient Greece and will trace the development of dramatic writing from those roots to modern times. Students will also explore the nature of poetry and what distinguishes it from other literary forms by reading poems not only from America and Britain, but also from a number of different cultures separated from ours by both time and geography. Students will write numerous critical papers, imitations, poems of their own, and a research paper/presentation on a poet of their choice.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, and communicate.

TITLE: **Readings in European Literature and Philosophy**
COURSE NO: (H) 0020 (CP) 0021
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: H and CP
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: Students will study literature and philosophy of the Western World stressing an intensive reading of literature of diverse cultures including Russian, Teutonic, French, Italian, and Spanish speaking countries. Students will read, analyze, and interpret representative authors, poets, and dramatists. A selection of authors to be studied includes Dostoevsky, Solzhenitsyn, Hesse, Ibsen, Camus, Voltaire, Nietzsche, Sartre, Neruda, Marquez, and Pirandello. Writing will be the central means by which students will form an understanding of the material covered. In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: description, narration, exposition, explication and argumentation.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

Advanced Placement

TITLE: **Advanced Placement (AP) English Literature and Composition**
COURSE NO: (H) 0007
OFFERED: Semester
CREDIT: 5 Credits
LEVEL: H
PREREQUISITES: Literature and Composition II and at least one literature elective at the honors level
GRADE: 10-12

DESCRIPTION OF COURSE: This course is designed for the serious student of literature as a preparation for the AP English Literature and Composition Exam. Students will read challenging works including drama, poetry, and novels from a wide variety of times and cultures, including works written in radically different styles, and will write critical responses to all of the literature covered. **(Required Summer Reading: *Heart of Darkness*, Joseph Conrad)**

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, and communicate.

TITLE: **Advanced Placement (AP) English Language and Composition**
COURSE NO: (H) 0006
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: H
PREREQUISITES: Literature and Composition II and at least one literature elective at the honors level
GRADE: 10-12

DESCRIPTION OF COURSE: AP Language and Composition is *primarily* based on a wide variety of non-fiction works: essays, arguments, non-fiction narration, journalism, memoirs, historical speeches, visual documentaries, and the study of some non-verbal forms of communication such as photographic images, artistic depictions, and statistical data. Several fictional works, canonical novels, and contemporary novels will be required as well. The three major components to this course are: analysis, argument, and synthesis. Weekly compositions will require students to be attentive to logic, coherence, voice, tone, writing terminology, syntax, diction, and grammar. **(Required Summer Reading: *This Boy's Life*, Tobias Wolff, and *The Elements of Style*, Strunk and White)**

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, and communicate.

Electives

TITLE: Classics of American Cinema
COURSE NO: (CP) 0059 (S) 0060
OFFERED: Semester
CREDIT: 5 credits
LEVELS: CP and S
PREREQUISITES: Literature and Composition II
GRADE 10-12

DESCRIPTION OF COURSE: This course offers a chronological survey of the American cinema with an emphasis on the classic films of the 1930s, 1940s, 1950s, and 1960s. The course will also provide an historical/cultural context for each of the decades of the films viewed (i.e., national and world events, people in the news, sports, science and technology, education, family life, social problems, music and literature, fashions and fads, et al). Students will also learn a wide variety of film terms and film making techniques. Film selections will be accompanied by any or all of the following: biographical information on actors and directors, behind-the-scenes look at production, and discussions of content (plot, characters, themes) and style (direction, script, performance, et al). Students will be responsible for writing critical essays for films viewed.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

TITLE: English for Employment
COURSE NO: (CP) 0056 (S) 0057
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP and S
PREREQUISITES: Literature and Composition II
GRADE: 11-12

DESCRIPTION OF COURSE: This course is designed for college bound students and those seeking employment after high school. The program will examine changes in the modern workplace. As active participants in the class, students will exhibit the ability to read, write, and communicate effectively as well as use technological materials appropriate to class activities. Job simulations will be utilized to enhance understanding of actual employment situations. In addition, students will analyze and assess the current job market and skills necessary for employment throughout the twenty-first century.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas effectively.
- Exhibit ability to read, write, and communicate.

TITLE: **Journalism: Newspaper**
COURSE NO: (H) 0065 (CP) 0066 (S) 0067
OFFERED: Semester
CREDIT: 5 Credits
LEVEL: H, CP, S
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: Working with the staff of the school newspaper, *The Tomahawk*, students will practice journalistic skills and demonstrate their competence in using these skills by writing weekly news stories about the school and community. Journalistic techniques that will be studied and used are the ten approaches to a lead, writing editorials, news stories, feature stories, sports stories, reviews, as well as researching and writing an in-depth investigative report. Students will use research skills, develop interviewing skills, proofread copy, learn the elements of newspaper layout and design, explore photojournalism, and become published in the school newspaper. Students will be afforded the opportunity to regularly read and analyze various online and print media sources to enhance their own writing as well as broaden their understanding of connections between their lives and the local community, the nation, and the world.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, and communicate.

TITLE: **Journalism: Yearbook**
COURSE NO: (H) 0068 (CP) 0069 (S) 0070
OFFERED: Semester
CREDIT: 5 Credits
LEVEL: H, CP, and S
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF THE COURSE: The yearbook is more than a scrapbook; it's a vivid, and creative, ultimately journalistic record. Consequently, students will learn about the world of publishing by producing and promoting a comprehensive yearbook that, in both pictures and writing, documents the many events and personalities of the school year. To this end, students will learn and practice a variety of journalistic techniques, including: basic technical and artistic principles of photography, especially photojournalism; traditional and alternative approaches to writing article "copy," with an emphasis on feature writing; effective interviewing strategies; and compelling graphic design. Students will photograph and write about student life, academics, athletics, and extracurricular activities. They will also seek out a variety of "human interest" stories. Finally, students will solicit ads for the yearbook and design promotional campaigns to boost sales.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.

- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, and communicate.

TITLE: **Literature of the Fantastic**
COURSE NO: (H) 0071 (CP) 0072 (S) 0073
OFFERED: Semester
CREDIT: 5 credits
LEVELS: H, CP, and S
PREREQUISITES: Literature and Composition II
GRADE 10-12

DESCRIPTION OF COURSE: This course focuses upon world literature in the fantastic tradition: fantasy, horror, and science fiction. Students will read fables, folk tales, legends, and ancient mythology; furthermore, they will examine the reasons why fantastic literature has had such a long and lasting heritage. Emphasis will be placed on literature old and new as it relates to the origins and traditions of fantasy, horror, and science fiction. Students will examine the work of such writers as Bram Stoker, Mary Shelley, Washington Irving, Edgar Allan Poe, Jules Verne, Robert Louis Stevenson, H.G. Wells, J.R.R. Tolkien, Ray Bradbury, Richard Matheson, Shirley Jackson, Charles Beaumont, Robert Heinlein, H.P. Lovecraft, Orson Scott Card, Ursula Leguin, David Brin, and others. In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: description, narration, argumentation and exposition.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

TITLE: **Literature of Psychology**
COURSE NO: (H) 0079 (CP) 0080
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVELS: H and CP
PREREQUISITES: Literature and Composition II, semester of Psychology recommended
GRADE: 11-12

DESCRIPTION OF COURSE: Literature of Psychology, an interdisciplinary course taught by the Social Studies and English Departments, brings together the scientific and artistic observations of human behavior in a way that enriches both. This course combines an examination of those concepts of psychology presented in Principles of Psychology and readings from literature, old and new – plays, novels, short stories, and poems – selected for their treatment of the intricacies of human characters. Students will be expected to apply their growing knowledge of psychology to the analysis of the literature, demonstrating their command of the material through journals, tests, essays, projects, and dramatic exhibitions. If course requests are too numerous, seniors will be enrolled first. Students who take this course for English Department credit may not take it for Social Studies Department credit.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

TITLE: **Media/TV Production**
COURSE NO: (H) 0088 (CP) 0089 (S) 0090
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: H, CP, and S
PREREQUISITES: Literature and Composition II
GRADE: 10-12

DESCRIPTION OF COURSE: Through a “hands on” approach to learning, students will explore the media of visual arts, movies, advertising, and television. Textbooks, a variety of handouts, including articles, and videos provide students with background information for each medium. Students will apply their knowledge of the media through a variety of individual and group projects. Television segments and programs will be aired on the school’s cable channel. Students who elect to enroll in the course at the honors level will complete a major research project and make a twenty minute presentation to the class. Active participation is key to success in this class.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interest, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, and communicate.

TITLE: **Technical Writing/Technical Literature**
COURSE NO: (CP) 0095 (S) 0096
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP and S
PREREQUISITES: Literature and Composition II, Technical Division seniors are given preference.
GRADE: 12

DESCRIPTION OF COURSE: This course is intended for seniors who will need computer-based communication skills in their future. The course places a major emphasis on learning how to write clear, detailed, effective prose of the type primarily used in business communication and seen in finished pieces related to business. Students also learn how to collect and evaluate data; create and manipulate databases and spreadsheets; analyze the information contained therein and use the data in productive, informative, and interesting ways. Examples of technical writing are read and analyzed for content, structure, and effectiveness. The computer is used extensively in this course.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, and communicate.

TITLE: **Sports Literature**
COURSE NO: (CP) 0063 (S) 0064
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP and S
PREREQUISITES: Literature and Composition II
GRADE: 10-12

This course will consist of an examination of sport from several perspectives through literature presented by essayists, novelists, playwrights, sport columnists, and the media. Readings will be thought provoking, covering a range of modern fiction, non-fiction, poetry, biographies, and commentaries. Major authors to be studied may include, but will not be limited to, Hemingway, Twain, Updike, Lardner, Faulkner and Paulsen. While reading and studying various forms of sports literature, students will concentrate on a variety of topics and themes, including perseverance, teamwork, overcoming challenges, setting goals, achieving success, and developing character. . In addition to completing frequent reflections about the literature under study and various short writing assignments and exercises, students will write a composition for every major work or unit of study. Composition assignments may be creative or based on the modes of discourse: description, narration, argumentation and exposition.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, and communicate.

FINE ARTS DEPARTMENT

The Fine Arts Department provides students with the opportunity to perform, create, understand and respond to music, art, drama, and dance.

Visual Arts

Students are limited to one visual art course per year.

TITLE:	Drawing	Drawing
COURSE NO:	0701	0703
OFFERED:	Semester Alternate Day	Semester Alternate Day
CREDIT:	2.5 Credits	2.5 Credits
PREREQUISITES:	None	None
GRADE:	10-12	9

DESCRIPTION OF COURSE: Students considering art school or architecture are strongly recommended to consider the Drawing course. The Art of Drawing is practiced as it relates to our experience of seeing. Drawing activities include studying objects in our visible world, particularly subjects in nature and observation of the student model or still life. Subjects originating in our imagination are explored. Much emphasis is on proportions of the human figure and composition. The Drawing course teaches elements of design shared by all studio areas including tone, line, form, shape, texture, color, and perspective. Techniques practiced in Drawing may include conventional drawing tools, painting, mixed media, comic art, animation, 3D computer modeling, printmaking or sculpture. An extensive drawing portfolio will result from the student's completion of Drawing. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Small Metals (Jewelry)	Small Metals (Jewelry)
COURSE NO:	0714	0715
OFFERED:	Semester	Semester
CREDIT:	5 Credits	5 Credits
PREREQUISITES:	None	None
GRADE:	10-12	9

DESCRIPTION OF COURSE: Selectivity comes only from the design experience the students have garnered by their own work and thought. In the first half of this course, design is stressed. Copper, brass and nickel wire are extensively used to transpose ideas into reality. Basic bending, cutting, filing, hammering, soldering and buffing become important tools for the beginning jeweler. In the second half of this course, students are expected to show proficiency in the skills acquired in the first half of this course. In addition, design now becomes aligned with the imagination of the student's own design philosophy and its natural evolving factor. Each student is expected to produce quality sterling at this point. Students may be required to purchase all

sterling silver to be used in their projects. Students will also work with enamels, resins, castings, ceramics, fabrications, and patinas.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Painting	Painting
COURSE NO:	0702	0704
OFFERED:	Semester	Semester
CREDIT:	5 Credits	5 Credits
PREREQUISITES:	None	None
GRADE:	10-12	9

DESCRIPTION OF COURSE: The student will gain a renewed personal understanding of art through study in Painting. This course begins with color concepts and visual perception exercises in tempera. Issues regarding social relevancy of art and "why painters paint" are explored through videos, slides, discussion and hands-on design assignments in watercolor, tempera and acrylic media. Themes relate art history, the student's observation skills, experimentation, drawing, and painting techniques. Later in the semester, the student will be introduced to the history and ideas of abstract art, to learn more about painting and the elements of design. Students will explore changing technologies in order to discover the range of media, which may facilitate their painterly artistic expression. An extensive portfolio of fine art paintings will result from the student's completion of Painting.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Pottery
COURSE NO:	0706
OFFERED:	Semester
CREDIT:	5 Credits
PREREQUISITES:	Course open only to juniors and seniors
GRADE:	11-12

DESCRIPTION OF COURSE: Students electing pottery will explore basic methods of expression in clay such as SLAB, COIL, and PINCH. Through hand built projects students will learn the qualities and limitations of clay while using a variety of clay tools and techniques vital to the ceramicist. Once students are familiar with the qualities of clay, the wheel method will be introduced for any interested student. In the second half of this course, students will be expected to demonstrate a proficiency of the methods covered in the first portion of this course. In addition, students will experiment with a range of glazing and firing techniques while using

themes in their work. A more sculptural and non-functional approach to pottery will be encouraged. Students will become familiar with firing procedures and basic glaze chemistry.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Sculpture	Sculpture
COURSE NO:	0710	0711
OFFERED:	Semester	Semester
CREDIT:	5 Credits	5 Credits
PREREQUISITES:	None	None
GRADE:	10-12	9

DESCRIPTION OF COURSE: Today a new movement in sculptural design, materials, methods, and expression has evolved. In conjunction with the Technical Departments, students are given the opportunity to explore new developments in sculptural design and form. More advanced methods of working with three-dimensional forms are explored during the progression of this course. Each student electing this course is expected to have completed an energetic project by the end of this course. Choice of materials may include metal, wood, clay, plastics, paper, fabrics, and fibers. Also, students will use techniques such as slip, cast, slump mold, drape mold, press mold, seal peal molds, and waste molds.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Printmaking	Printmaking
COURSE NO:	0717	0718
OFFERED:	Semester	Semester
CREDIT:	5 Credits	5 Credits
PREREQUISITES:	None	None
GRADE:	10-12	9

DESCRIPTION OF THE COURSE: The student learns art and design concepts through assignments exploring a variety of printmaking media. This course offers a unique hands-on approach to creating multiple, original works of 2-dimensional art. Relief, lithography, intaglio and serigraphy processes engage the student in new applications of drawing, sculpting, and painting methods. Printmaking includes stamp, engraving and stencils on linoleum, wood, metal, paper, and fabric. Emphasis is on learning through discovery and invention. Works by important graphic artists and printmakers are introduced and analyzed. An extensive design portfolio of proofs and edition prints will result from the student's completion of Printmaking.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.

TITLE:	Sequential Art	Sequential Art
COURSE NO:	0721	0722
OFFERED:	Semester	Semester
CREDIT:	5 Credits	5 Credits
PREREQUISITES:	Drawing	Drawing
GRADE:	10-12	9

DESCRIPTION OF THE COURSE: Sequential Art is an advanced drawing course. The student will be responsible for hours of continual drawing activity. Through the process of drawing students explore visual presentations combining words/sounds and pictures. Students produce short animated films of their own and develop a portfolio of graphic design exercises including illustration and comic art. Works by important graphic artists and animated filmmakers are introduced. The semester's learning culminates in completion of students' final film projects and publication of a printed anthology displaying examples of students' sequential artwork.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Fiber Arts	Fiber Arts
COURSE NO:	0725	0726
OFFERED:	Semester	Semester
CREDIT:	5 Credits	5 Credits
PREREQUISITES:	None	None
GRADE:	10-12	9

DESCRIPTION OF COURSE: The art of fibers is one that remains relatively unknown by the general public, yet it has and continues to cross cultural boundaries. Many of the materials and processes used are derived from ancient civilizations throughout the world, and are still used today. This course is designed to familiarize the student with a wide and open-ended variety of materials and techniques commonly used in fiber arts. Some of these materials may include fabric, yarn, plants, paper (hand and manmade), wire, screening, recycled materials, and wood. The student will also learn several different techniques including weaving (both on and "off-loom" tapestry, tie dyeing and papermaking, to name a few. Works in both 2D and 3D will be encouraged using traditional and non-traditional methods to achieve unique results. The students will explore the concept of "functional" versus "non-functional" in the creation and execution of their projects. There will be a strong emphasis on the student's process as well as the craftsmanship of the finished work.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Advanced Junior/Senior Art Studio**
COURSE NO: 0730
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: Participation only by invitation of sponsoring art instructor
GRADE: 11-12

DESCRIPTION OF COURSE: This course bestows a privilege upon the most serious student of art. The selected student will submit his or her proposal for advanced studio work in a selected area of study, to be pursued under supervision of a sponsoring art instructor. The student who participates in this program will be responsible for a greater course load than in a regular studio course, and will be accountable to the instructor for major effort in the student's chosen area of specialization. A portfolio-quality level of work will result from the semester's work in Advanced Junior/Senior Art Studio.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Select educational pathways consistent with interest, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.
- Demonstrate ability to use technology appropriate to subject area.

Performing Arts - Music

The Music Department offers courses which focuses on music performance, and/or the theory of music. An audition process will determine membership in some ensembles.

TITLE:	Band	Band
COURSE NO:	0752	0754
OFFERED:	Full Year Alternate Day	Semester Alternate Day
CREDIT:	5 Credits	2.5 Credits
PREREQUISITES:	Previous instrumental study	Previous instrumental study
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: Band is open to all high school students who have had previous band experience or have studied an instrument privately. Band students utilize and refine their playing skills through performance of literature encompassing a wide variety of styles. The ultimate goal is to achieve the highest level of personal and ensemble performance. Band performs throughout the year as both a concert ensemble as well as a marching band. Students are required to perform at holiday and spring concerts and graduation exercises. Students also play at football games and march in various parades. Performances are the equivalent of examinations. Only students who miss a performance with a valid excuse are allowed to do an

alternative make-up project. Students are graded on instrumental technique, mastery of the music, rehearsal conduct, attitude, effort, and participation. Related band activities may include festivals, exchange programs, competitions, fund-raising, and social events. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE: **Jazz Ensemble**
COURSE NO: 0761
OFFERED: Semester, After School 3 Hours/Week
CREDIT: 1 Credit
PREREQUISITES: Advanced instrumental skills
GRADE: 9-12

DESCRIPTION OF COURSE: Jazz Ensemble is open to students who play saxophone, trumpet, trombone, and rhythm section instruments (other instrumentalists must have the permission of the instructor). This ensemble will emphasize the interpretation of a wide variety of jazz styles, the development of individual improvisation skills, and the preparation of standard and advanced level jazz charts for public performance. This ensemble performs at regular senior high school concerts and our annual Jazz Showcase as well as several community events throughout the year.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE:	Concert Choir	Concert Choir
COURSE NO:	0751	0750
OFFERED:	Full Year Alternate Day	Semester Alternate Day
CREDIT:	5 Credits	2.5 Credits
PREREQUISITES:	None	None
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: Concert Choir is a mixed choral ensemble that is open to all students who have a desire to sing. No previous choral experience or formal audition is required. This course emphasizes the development of musical literacy and correct vocal technique so that students are able to perform repertoire of medium to advanced levels of difficulty. Students will develop aural and sight-singing skills using solfeggio and Kodaly methodology, and engage in the comprehensive study of performance repertoire, drawn from all style periods. In addition to rehearsals, students are required to perform in three to four concerts during the school year. Performances are the equivalent of examinations. Only singers who miss a performance with a valid excuse will be permitted to do an alternative make-up project. Students will be graded on participation, attitude, effort, musical knowledge and the progress of their skill development, regardless of ability level. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE:	Mixed Chorus	Mixed Chorus
COURSE NO:	0771	0772
OFFERED:	Semester Alternate Day	Full Year Alternate Day
CREDIT:	2.5 Credits	5 Credits
PREREQUISITES:	None	None
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: This course is designed for vocal music students who are either unable to schedule Concert Choir due to academic scheduling conflicts, or who elect to schedule an additional course in vocal music. Students will study and rehearse repertoire in voicing appropriate for the size of the class. In addition to the vocal training conventionally practiced in large ensemble rehearsals, students will have the opportunity to explore advanced vocal training as it applies to individual vocal range. This course offers a concentrated study of solfeggio and Kodaly methodology for sight-singing and aural training. In addition to rehearsals, students are required to perform in three to four concerts during the school year. Performances are the equivalent of examinations. Only singers who miss a performance with a valid excuse will be permitted to do an alternative make-up project. Students will be graded on participation, attitude, effort, musical knowledge, and the progress of their skill development, regardless of ability level. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE:	Choraleers
COURSE NO:	0760
OFFERED:	Semester, After School 3 Hours/Week
PREREQUISITE:	<u>Fall Semester</u> - auditions in spring of previous school year. <u>Spring Semester</u> - auditions during first week of semester
CREDIT:	2.5 Credits
GRADE:	9-12

NOTE: Members of any Fine Arts Department SELECTIVE ENSEMBLE are strongly encouraged to enroll in Concert Chorus or Mixed Chorus during at least one semester. If a student is unable to schedule a Chorus class, they should substitute an instrumental class, a different Music elective course, or a Music internship.

DESCRIPTION OF COURSE: Choraleers is a selective vocal ensemble which studies and performs *accapella* chamber music. The repertoire focuses primarily on musical literature arranged in 4 to 8 part harmony. Students will develop musical independence through their

ability to interpret notation, analyze musical scores, and apply the skills necessary to execute the demanding literature studied in this course. Enrollment is with permission from the instructor through an audition process. Performances are mandatory and more frequent than other vocal ensembles, especially during the holiday season. For the purpose of assessment, these performances are considered the equivalent of examinations and are evaluated in addition to written class work and homework to determine grading. Only singers who miss a performance with a valid excuse are allowed to do an alternative make-up project. Students are graded on vocal technique, mastery of the repertoire, musicianship, and rehearsal conduct.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE: **Show Choir**
COURSE NO: 0757
OFFERED: Full Year/1 Early Evening Per Week, 2 or 3 Saturday Rehearsals
CREDIT: 2.5 Credits
PREREQUISITES: By audition to be conducted in the spring for the following school year
GRADE: 9-12

NOTE: Members of any Fine Arts Department SELECTIVE ENSEMBLE are strongly encouraged to enroll in Concert Chorus or Mixed Chorus during at least one semester. If a student is unable to schedule a Chorus class, they should substitute an instrumental class, a different Music elective course, or a Music internship.

DESCRIPTION OF COURSE: Show Choir is a mixed vocal ensemble in which the performers are expected to sing and dance. A professional choreographer works with the vocal instructor to create and teach dance/movement to each piece. No dance experience is necessary, but a willingness to work hard is essential. The repertoire consists of musical selections drawn from the jazz, pop, and Broadway idioms. Students are required to read musical notation and sight-sing at least at a beginner level, but moderate to advanced levels are preferred. The show choir student must also have a working knowledge of musical terminology and the skill to execute those principles as they apply to the repertoire studied. Course enrollment is with permission from the instructor, resulting from auditions, which take place during the spring of the previous school year.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.

TITLE: **Vocal Jazz Ensemble**
COURSE NO: 0769
OFFERED: Full Year, After School 3 Hours/Week
PREREQUISITE: Permission of instructor and audition
CREDIT: 2.5 Credits
GRADE: 9-12

NOTE: Members of any Fine Arts Department SELECTIVE ENSEMBLE are strongly encouraged to enroll in Concert Chorus or Mixed Chorus during at least one semester. If a student is unable to schedule a Chorus class, they should substitute an instrumental class, a different Music elective course, or a Music internship.

DESCRIPTION OF COURSE: Students in this highly selective vocal ensemble will study and perform a varied repertoire of pieces from the Jazz genre. From big band charts and jazz standards, to innovative arrangements of contemporary pop music, students will analyze and prepare music in six to eight vocal parts. This ensemble performs at The Winter and Spring Concerts, the annual Fine Arts Cabaret, and Jazz Showcase, and competes each spring. Members of the Vocal Jazz Ensemble possess the ability to read musical notation fluently and analyze choral scores using solfege with a moderate to advanced level of facility. Performances are mandatory and are considered the equivalent of examinations for the purpose of assessment. Students are graded on vocal technique, mastery of the repertoire evidenced by their ability to perform vocal parts alone, musicianship, and rehearsal conduct.

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Music Theory**
COURSE NO: 0770
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: None
GRADE: 9-12

DESCRIPTION OF COURSE: This course is designed for not only the experienced musician, but also for those students who have an appreciation for the art of music and a desire to further their study. Students will be presented with a working approach to how music is notated, organized, and created. After learning the basic concepts of musical sound and space, (intervals, time, harmony and rhythm), students will have the opportunity to practice and apply those concepts through original composition. Students will learn basic keyboard skills and compose and record their own musical works using our Electronic Music Lab. All students will be required to complete at least one project for this course in addition to class work and homework assignments. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Introduction to Music Technology**
COURSE NO: 0797
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits

PREREQUISITES: None
GRADE: 9-12

DESCRIPTION OF COURSE: Students will be provided with an overview and hands-on exploration of topics relating to the integration of music and technology. The course will utilize MIDI applications including the use of several sound controllers for music sequencing and editing. Notation and sequencing software such as Finale Allegro will be utilized as students create and experiment with music and sound in order to create and notate original musical compositions. While prior music reading skills are not required, basic knowledge of music theory including the grand staff, rhythmic reading and a working knowledge of basic musical forms is a plus. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Applied Guitar Studio**
COURSE NO: 0764
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: Access to a guitar for daily practice
GRADE: 9-12

DESCRIPTION OF COURSE: Students study all aspects of guitar performance and learn playing techniques in various styles and genres. The guitar is studied from both an analytical and historical perspective, illustrating the instrument's tremendous impact on music history. From the Renaissance courts to the recording studios of the 21st century, students will critically listen to and analyze musical examples that demonstrate the evolution of this popular instrument. Students will develop their ability to read and write musical notation, and apply their knowledge of musical terminology to expressively perform repertoire for the guitar at the level of beginner to that of more advanced pieces, when appropriate. All students taking this course must have access to an instrument for daily practice. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Applied Keyboard Studio**
COURSE NO: 0765
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: Access to a keyboard for daily practice
GRADE: 9-12

DESCRIPTION OF COURSE: Students will learn to play the piano using proper techniques and practices. The keyboard is studied from both an analytical and historical perspective so that students will develop an understanding of the keyboard from its early beginnings of the harpsichord and piano forte to modern day electronic pianos and synthesizers. Students will develop their ability to read and write musical notation and apply their knowledge of musical terminology to expressively perform various genres of repertoire for the piano from the beginning level, to more advanced pieces when appropriate. Students electing this course must have access to a keyboard for daily practice. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE: Advanced Junior/Senior Keyboard Studio
COURSE NO: 0773
OFFERED: Semester
CREDITS: 2.5
PREREQUISITES: Successful completion of Applied Keyboard Study and permission of instructor
GRADE: 11-12

DESCRIPTION OF COURSE: This course provides for the continued study of the keyboard and is offered to students who demonstrated proficiency in the Applied Keyboard Studio course. Students will continue their study of all aspects of piano performance and further develop their technical skills through the preparation of scales, etudes, and finger independence exercises. Students will prepare and perform a variety of musical selections drawn from the last four hundred years of music history encompassing the Renaissance, Baroque, Classical, and Romantic periods of Music history in addition to many contemporary genres. In addition to a research paper and bi-weekly performance evaluations, students will be required to perform at least two pieces in a recital at the end of the semester. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals
- Assume responsibility for academic achievement
- Acquire, interpret, analyze, integrate and apply information in a discerning manner
- Demonstrate ability to use technology appropriate to subject area
- Exhibit ability to read, write, communicate, and compute.

TITLE: A Century of Pop Music
COURSE NO: 0785
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: None
GRADE: 9-12

DESCRIPTION OF COURSE: Pop music did not start with Elvis or Frank Sinatra. This course traces the development of popular music over the last one hundred years from its geographical roots, and examines how all types of music have come together in a new way to shape today's sound. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE: **Hand Chime Ensemble**
COURSE NO: 0780
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: None
GRADE: 9-12

DESCRIPTION OF COURSE: Historically, hand chime ringing can be traced back to the British Isles between the eleventh and sixteenth centuries, becoming popular in the United States in the early 20th Century. Hand Chime "bands" have become part of comprehensive music education programs because they afford students the opportunity to be part of an instrumental ensemble at the high school level even if they have no previous experience reading music or playing an instrument of any kind. This course will focus on the development of music literacy, as well as the ability to perform from notation, identify and understand proper musical terminology, and expressively perform music taken from a variety of musical styles and historical periods. Students are required to participate in one to two performances during the course of the semester that will be held outside of the school day. Performances are the equivalent of examinations. Only students who miss a performance with a valid excuse will be permitted to do an alternative make-up project. Students will be graded on participation, attitude, effort, musical knowledge and the progress of their skill development, regardless of ability level. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals
- Assume responsibility for academic achievement
- Acquire, interpret, analyze, integrate and apply information in a discerning manner
- Demonstrate ability to use technology appropriate to subject area
- Exhibit ability to read, write, communicate, and compute.

Performing Arts - Drama

TITLE: **Foundations of Theatre**
COURSE NO: 0790
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: None
GRADE: 9-12

DESCRIPTION OF COURSE: This course provides an overview of the conventions and traditions of theatre by giving students the opportunity to study theatre as critics, historians, performers, and technical designers. This survey course introduces theatrical terminology, production process, and introductory performance techniques. When possible, students will develop skills by assisting in relevant ongoing school productions. Involvement may require attendance at after-school rehearsals. No performance experience is necessary for participation in this course. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE: **Exploration of the Musical Theatre**
COURSE NO: 0792
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: Permission of the instructor
GRADE: 9-12

DESCRIPTION OF COURSE: Students study musical theatre from Opera and Operetta to the Broadway Musical. The study of musical theatre is approached from both an appreciation perspective as well as that of performance. In this course, students study the history and evolution of music in the theatre. After viewing and analyzing the various genres of musical theatre, students interpret and apply that information through the production of actual scenes from famous works. All students are required to do an outside project in addition to reading assignments and class work. Previous singing experience, although beneficial, is not necessary. Permission of the instructor is required. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE: **Introduction to Dance**
COURSE NO: 0799
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: None
GRADE: 9-12
NOTE: This course fulfills PE or Fine Arts graduation requirement

DESCRIPTION OF COURSE: Students will explore the elements of dance and develop a deeper and fuller understanding of music and dance as art forms. Students will study various genres of dance that will promote correct posture and physical conditioning as they work to execute the basic movements of these styles. This course will also require students to create their own choreography and analyze and critique a variety of dance performances. This is an

active class that will encourage the development of flexibility, coordination, stamina, and strength through dance training and aerobic conditioning. Students are expected to wear dance attire and actively participate in every class as they work toward a more positive self image through the performing arts. Homework and class work will consist of practicing dance steps, creating original dance combinations, collaborating on choreography projects, and analyzing dance styles through the use of both live and video presentations (i.e. movie musicals, dance concerts, etc.). **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

FOREIGN LANGUAGES

Tantasqua Regional High School views the study of foreign language as an integral part of one's education. The 21st Century presents an increasingly diverse and competitive global arena, and one's ability to communicate in a language other than English is increasingly important. The foreign language program at Tantasqua offers students the opportunity to learn to read, write, and communicate in French and Spanish.

A principal purpose of our program is to instill in our students a tolerance and understanding of others by acquiring, interpreting, analyzing, integrating and applying information in a manner that allows them to function not only in our multi-cultural country but also in any dealings they may have throughout the world.

While entrance requirements vary greatly among colleges, most encourage high school foreign language study and prefer that students continue with one language for three or four courses.

The number of courses of study can be somewhat dictated by career planning. A minimum two-course foreign language study program is recommended for students who are contemplating careers in technical and health science fields. Students considering a liberal arts program in college should consider taking a maximum number of courses. Students are advised to carefully read the course descriptions and to discuss them with their parent(s)/guardian(s), teachers, and guidance counselor before making their choices. Students should make sure that their career plans, interests, and abilities coincide with the requirements of the courses described.

COURSE DESCRIPTIONS

TITLE:	French I
COURSE NO:	(CP) 0150
OFFERED:	2 nd Semester
CREDIT:	5 Credits
LEVELS:	CP
PREREQUISITES:	None
GRADE:	9-12

DESCRIPTION OF COURSE: This course is designed as an introduction to the French language. The course emphasizes the development of basic proficiency in listening, speaking, reading, and writing. The course is further enhanced by the presentation of various aspects of culture as they apply to the lessons. The first year student will acquire basic grammar skills that include the use of the present tense and be able to engage in simple conversation. After successful completion of French I, students will be able to express themselves in the present and future tenses, using both regular and irregular verbs, and understand material presented in these tenses; understand and utilize relevant vocabulary, be familiar with the daily life, customs, traditions, and history of France and other countries and other areas where French is spoken; and understand the relationship between the French language and English.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE: **French II**
COURSE NO: (CP) 0151
OFFERED: 1st Semester
CREDIT: 5 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in French I and on French I final exam
GRADE: 9-12

DESCRIPTION OF COURSE: This course is a continuation of French I. Grammar study will be more intensive, with the introduction of a past tense. Oral proficiency will be increased by a greater use of the target language in class. Cultural awareness and tolerance will continue to be developed. Successful French II students will increase their ability to utilize the present tense and the simple past tense, acquire new grammar and vocabulary, improve pronunciation, further develop communicative skills, and develop a better understanding of French cultures.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE:	French III	French III
COURSE NO:	(CP) 0152	(CP) 0153
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in French II and on French II final exam	
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: This course is the next step in the French sequence for intermediate students. Grammar study will focus on various parts of speech. Further development of socializing skills and cultural awareness will be stressed. After successful completion of French III, students will be able to comprehend and communicate in the second form of the simple past tense, utilize various types of pronouns, adjectives, adverbs and interrogatives; use the present subjunctive with both regular and irregular verbs, express attitudes, opinions, feelings, emotions, and persuasion; and further understand French cultures and increasingly appreciate the diversity of Francophone traditions.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE: French IV
COURSE NO: (CP) 0154
OFFERED: 1st Semester
CREDIT: 5 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in French III
GRADE: 10-12

DESCRIPTION OF COURSE: This course is designed for the college bound or language oriented student. Grammar study will focus on higher level structures. Oral and aural proficiency, proper pronunciation, and writing skills will be stressed. Upon successful completion of French IV, students will be able to express themselves using reflexive verbs in the present and the past tense, use the subjunctive forms of other irregular verbs, utilize the imperfect tense and be able to differentiate between the use of the regular past tense and the imperfect tense, make comparisons with nouns, adjectives and adverbs; understand and communicate in the past subjunctive and the past infinitive, and be more aware of Francophone cultures and people.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE: French V
COURSE NO: (H) 0155
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVELS: H
PREREQUISITES: Minimum grade of 'B' in French IV
GRADE: 10-12

DESCRIPTION OF COURSE: This course consists of review and expansion of grammatical points introduced in the previous four levels. Emphasis will be placed on improving communicative functions. The approach will include a higher mastery of language skills. A more profound study of French society will be incorporated. After successful completion of this course, students will be able to converse with other students in a more spontaneous fashion, express themselves and understand the use of the future and the conditional tenses, further their competency in the use of more difficult subjunctive structures, understand with more clarity contemporary readings and beginning classical French literature, and develop analytical and critical thinking skills through discussion and writings.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE:	Spanish I	Spanish I
COURSE NO:	(CP) 0160	(CP) 0161
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	None	None
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: This course is designed as an introduction to the Spanish language. The course emphasizes the development of basic proficiency in listening, speaking, reading, and writing. The course is further enhanced by presentation of cultural points as they apply to the lessons. The first year student will acquire basic grammar skills that include the use of the present tense. Also, the student will be able to engage in simple conversation. In addition, students will be able to express themselves in the present tense, understand material presented in it, understand and utilize relevant vocabulary, identify varying Hispanic cultures, and have a greater tolerance for the differences between cultures.

Academic Expectations from the Mission Statement:

- Select pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE:	Spanish II	Spanish II
COURSE NO:	(CP) 0162	(CP) 0163
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Spanish I and on Spanish I final exam	
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: This course is a continuation of Spanish I. Grammar study will be more intensive with the introduction of a past tense. Oral proficiency will be increased by greater use of the target language in class. Cultural awareness and tolerance will continue to be developed. After successful completion of Spanish II, students will be able to use regular verbs in the past tense, increase their competency in oral and written Spanish, improve pronunciation, and develop a better understanding of and a greater tolerance for Hispanic cultures.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze and apply information in a discerning manner.
- Exhibit the ability to read, write and communicate.

TITLE:	Spanish III	Spanish III
COURSE NO:	(CP) 0164	(CP) 0165
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Spanish II and on Spanish II final exam	
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: This course is the next step in the Spanish sequence for college prep students. Grammar study will focus on review and expansion of previous material. The course will also introduce the second simple past tense. Further development of socializing skills and cultural awareness will be stressed. After successful completion of Spanish III (CP), students will be able to express themselves in both past tenses using a variety of regular and irregular verbs and understand material presented in these tenses. They will use new vocabulary to make comparisons, describe conditions and characteristics and talk about daily activities.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE:	Spanish III	Spanish III
COURSE NO:	(H) 0174	(H) 0175
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	H	H
PREREQUISITES:	Minimum grade of 'B' in Spanish II and on Spanish II final exam	
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: This fast-paced course is the first step in the Spanish Honors sequence. It is designed for the language oriented student interested in pursuing a more in depth study of Spanish. Grammar study will focus on the two simple past tenses. Considerable time will be spent on review and expansion of previous grammatical points as well as extensive vocabulary acquisition. After successful completion of Spanish III Honors, students will be able to express themselves in and understand challenging material presented in both tenses.

TITLE:	Spanish IV	Spanish IV
COURSE NO:	(CP) 0169	(CP) 0166
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Spanish III (CP)	
GRADE:	9 -12	

DESCRIPTION OF COURSE: This course is final offering in the college prep sequence for intermediate students. Grammar study will focus on the distinct uses of both simple past tenses. Oral proficiency and proper pronunciation will be stressed further along with cultural points. After successful completion of Spanish IV (CP), students will be able to express themselves in

and understand material presented in both simple past tenses. Upon completing Spanish IV (CP), students can choose to continue with their studies at the Spanish IV Honors level.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE:	Spanish IV	Spanish IV
COURSE NO:	(H) 0176	(H) 0177
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	H	H
PREREQUISITES:	Minimum grade of 'C' in Spanish III (H) or 'B' in Sp. IV (CP)	
GRADE:	9-12	

DESCRIPTION OF COURSE: This fast-paced course is the next step in the Spanish Honors sequence. It is designed for the language oriented student interested in pursuing a more in-depth study of Spanish. Grammar study will focus on verb usage in all tenses (simple and compound). The course will continue with the rigorous presentation of more advanced vocabulary.

TITLE:	Spanish V
COURSE NO:	(H) 0167
OFFERED:	2 nd Semester
CREDIT:	5 Credits
LEVELS:	H
PREREQUISITES:	Minimum grade of 'B' in Spanish IV (CP)
GRADE:	10-12

DESCRIPTION OF COURSE: Spanish V consists of an in-depth study of the subjunctive mood and its uses for the honors student. Vocabulary will focus on a variety of expressions for specific communicative functions. Students enrolling in Spanish V are expected to have previously mastered all simple tenses. After successful completion of the course, students will be able to distinguish between the indicative and subjunctive moods and use them appropriately.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE:	Spanish VI
COURSE NO:	(H) 0168
OFFERED:	1 st Semester
CREDIT:	5 Credits
LEVELS:	H
PREREQUISITES:	Minimum grade of 'C' in Spanish V
GRADE:	10-12

DESCRIPTION OF COURSE: Spanish VI is designed for the self-motivated student. Students are expected to have mastered all previous grammatical constructions. Compositions will be assigned weekly on topics arising from personal experience and knowledge. Communicative techniques will be the primary skills stressed in the classroom. Students speak at length on familiar and personal topics and read short stories and excerpts from literary adaptations.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibilities for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE: **Advanced Spanish Conversation and Composition**
COURSE NO: 0170
OFFERED: 2nd Semester
CREDIT: 5
LEVELS: H
PREREQUISITES: Minimum grade of 'C' in Spanish VI
GRADE: 11-12

DESCRIPTION OF COURSE: This course will focus on the aural/oral aspect of the Spanish language for the serious Spanish student. Students will be expected to learn extensive vocabulary related to everyday life and situations. They will speak exclusively in Spanish in addition to producing detailed writing samples in the target language.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibilities for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

TITLE: **Advanced Placement (AP) Spanish Language**
COURSE NO: 0172
OFFERED: 2nd Semester
CREDIT: 5
LEVELS: H
PREREQUISITES: Minimum grade of 'C' in Spanish VI
GRADE: 11-12

DESCRIPTION OF COURSE: Advanced Placement (AP) Spanish Language is intended for students who wish to increase proficiency and integrate their Spanish skills, using authentic materials and sources. Students who enroll should already have a working knowledge of the language and cultures of Spanish-speaking people. This course prepares students to take the AP Spanish Language Exam.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibilities for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write and communicate.

HISTORY/SOCIAL STUDIES DEPARTMENT

Since the social studies encompass so much of human activity, the department makes use of the skills and information imparted by all the secondary-level academic departments: the arts, languages, sciences, and mathematics. Most importantly, it demands analytical reading and clear, insightful writing.

The intellectual skills special to history include the following: the ability to understand and to produce narration, the awareness of chronology and geography, the acquisition of important detail and its placement in larger contexts, and the comparison of events from different times and places. Social studies courses follow the standards and themes described in the Massachusetts History and Social Science Curriculum Framework. The academic and civic expectations from Tantasqua's Mission Statement are embedded in the course curriculum.

Tantasqua students are expected to read regularly assigned materials from textbooks and other sources, take notes on information presented in class, participate in class discussions, make oral and visual presentations, take written quizzes and tests, and write research-based essays.

In order to accomplish these goals, the History/Social Studies Department requires the following:

1. All students in the class of 2010 and up must take and pass World History or World Civilizations as freshmen, United States History I or AP United States History as sophomores, and United States History II (excluding AP United States History students) as juniors in order to graduate.

COURSE OFFERINGS

World History (CP, S)	Dynamics of Democracy (H, CP, S)
World Civilizations (H)	Economics (H, CP)
United States History I (CP, S)	Principles of Psychology (H, CP, S)
United States History I (H)	Literature of Psychology (H, CP)
United States History II (CP, S)	Sociology (CP, S)
United States History II (H)	
AP United States History (H)	
AP Comparative Governments and Politics (H)	

Junior/ Senior Seminar

Wars and Revolutions (H, CP) (Offered in 2010-2011)
The American Presidency (H, CP) (Offered in 2010-2011)
America During the Early Cold War: The 50s and 60s (H, CP, S) (Offered in 2011-2012)
Global Challenges for the 21st Century (H, CP) (Offered in 2011-2012)

COURSE DESCRIPTIONS

TITLE:	World History
COURSE NO:	(CP) 0403 (S) 0404
OFFERED:	Semester
CREDIT:	5 Credits
LEVELS:	CP and S
PREREQUISITES:	None
GRADE:	9

DESCRIPTION OF COURSE: World History incorporates college preparatory (CP) and standard (S) level students in the same class. The course challenges students to investigate global perspectives regarding civilizations, cultures, and societies. Students will think critically, analyze and process information, research historical sources, as well as develop an understanding of time and chronological relationships. Students taking this course will develop an understanding of course content, exhibit the ability to read and interpret graphical information, locate continents, countries, and cities, as well as show an awareness of current events.

The course content begins with a review of the Middle Ages and the Crusades. The Renaissance, Scientific Revolution, and Enlightenment begin an examination of the democratic, scientific, and secular thoughts that shape modern Europe. The French Revolution and Napoleonic Era introduce new liberal thought that changed the face of modern European politics. As modern Europe emerges, the resulting political ideas of conservatism, liberalism, and nationalism as well as the development of diverse economic systems are investigated. Woven into this development is the interaction of Europe with Asia, Africa, and the Middle East. While imperialism is a motivating factor in this overall design, an emphasis is also placed on the unique qualities of non-European cultures. Students will investigate the conflicts resulting from the Industrial Revolution, World War I and II, the Cold War, and other events which shaped the 21st Century.

An integral component of the course will be to study how each civilization met the political, economic, social, and religious needs of the people. Students enrolled in this course should be able to draw inferences and conclusions from period literature and primary source documents, films, and classroom discussions. Students will also take part in projects and research activities that culminate in oral presentations and written reports. During this process, they will also use technology as a tool to enhance social study skills. Active class participation is essential to succeed in this class.

Academic expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: World Civilizations
COURSE NO: (H) 0405
OFFERED: Semester
CREDIT: 5 Credits
LEVEL: H
PREREQUISITES: Teacher recommendation
GRADE: 9

DESCRIPTION OF COURSE: World Civilizations is designed to challenge the serious college bound student. Students enrolled in this course will examine forces that shape society, exploring the political, social, economic, cultural, and religious histories of early world civilizations. Specialized vocabulary, which is essential to an understanding of World Civilizations, is integrated into these areas of study. Students are expected to recognize broad historical themes, understand inferences and implications, interpret primary source data, identify parallel situations, and integrate new information with prior knowledge.

The course begins with a review of the Middle Ages and Crusades. The Renaissance era, Scientific Revolution and Enlightenment begin a re-examination of the democratic, scientific and secular thoughts that shape modern Europe. The French Revolution and Napoleonic Era introduce new liberal thought that changes the face of modern European politics. The resulting political ideas of conservatism, liberalism, and nationalism as well as the development of diverse economic systems, are investigated as modern Europe emerges. Woven into this development is the interaction of Europe with Asia, Africa, and the Middle East. While imperialism is a motivating factor in this overall design, an emphasis is also placed on the unique qualities of non-European cultures. Students will complete the semester by studying the conflicts resulting from European nationalism and the Industrial Revolution, ultimately leading to World War I and II.

Students enrolled in this course should be able to read and write at or above grade level and should be able to draw inferences and conclusions from primary source readings. Extensive reading is required. Students will take part in historical simulations, plays, projects, and classroom discussions, as well as complete research activities that will culminate in oral and written reports. Students will also demonstrate the ability to use technology as a tool to enhance social studies skills. Active class participation is essential to succeed in this class.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **United States History I**
COURSE NO.: (CP) 0421 (S) 0422
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP and S
PREREQUISITE: Successful completion of World History or World Civilizations
GRADE: 10

DESCRIPTION OF COURSE: United States History I incorporates college preparatory (CP) and standard (S) level students in each class. The course covers the history of the United States from Colonization to the turn of the 20th Century. Special emphasis will be placed on the Founding. Students will make connections between the present day and historical events and trends. Students taking this course will be expected to increase their understanding of fundamental civic concepts, knowledge of geography, and skills in reading and analyzing primary sources, graphs, and cartoons. In addition, students will acquire a broad knowledge of current events, specialized social studies vocabulary, and economic concepts. All students will be required to write a formal research paper analyzing a single topic in United States History 1492-1900.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **United States History I**
COURSE NO: (H) 0416
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: H
PREREQUISITE: Minimum grade of 'A' in World History or 'B' World Civilizations
GRADE: 10

DESCRIPTION OF COURSE: United States History I (H) is a class designed to challenge the serious college bound student. The course covers the history of the United States from Colonization to the turn of the 20th Century. Special emphasis will be placed on the Founding. Students will make connections between the present day and historical events and trends. Students taking this course will be expected to increase their understanding of fundamental civic concepts, knowledge of geography, and skills in reading and analyzing primary sources, graphs and cartoons. In addition, students will acquire a broad knowledge of current events, specialized social studies vocabulary, and economic concepts. United States History I (H) requires extensive reading of texts and supplemental secondary sources, and will focus particularly on developing skill in reading and analyzing primary sources. Students may also create original written, oral, and visual presentations, engage in simulations and formal debates, and write formal and informal essays. Active participation in class activities and discussions is essential to success in this class. All students will be required to write a formal research paper analyzing a single topic in United States History 1492-1900.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **United States History II**
COURSE NO.: (CP) 0423 (S) 0424
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP and S
PREREQUISITE: Successful completion of United States History I
GRADE: 11

DESCRIPTION OF COURSE: United States History II incorporates college preparatory (CP) and standard (S) level students in each class. This course will focus on the development of United States History and Government from 1900 to the present. The course will emphasize understanding the forces that have shaped modern American society and the role of the United States in international affairs. Students will make connections between the present day and historical events and trends. Students taking this course will be expected to increase their understanding of fundamental civic concepts, knowledge of geography, and skills in reading and analyzing primary sources, graphs, and cartoons. In addition, students will acquire a broad knowledge of current events, specialized social studies vocabulary and economic concepts. All students will be required to write a formal research paper analyzing a single topic in United States History from 1900 to the present.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **United States History II**
COURSE NO: (H) 0417
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: (H)
PREREQUISITE: Minimum grade of ‘A’ in United States History I (CP) or ‘B’ in United States History I (H)
GRADE: 11

DESCRIPTION OF COURSE: United States History II (H) is a class designed to challenge the serious college bound student. This course will focus on the development of United States History and Government from 1900 to the present. The course will emphasize understanding the forces that have shaped modern American society and the role of the United States in international affairs. Students will make connections between the present day and historical events and trends. Students taking this course will be expected to increase their understanding of fundamental civic concepts, knowledge of geography, and skills in reading and analyzing primary sources, graphs and cartoons. In addition, students will acquire a broad knowledge of current events, specialized social studies vocabulary and economic concepts. United States History II (H) requires extensive reading of texts and supplemental secondary sources, and will focus particularly on developing skill in reading and analyzing primary sources. Students may also create original written, oral, and visual presentations, engage in simulations and formal debates, and write formal and informal essays. Active participation in class activities and discussions is essential to success in this class. All students will be required to write a formal research paper analyzing a single topic in United States History from 1900 to the present.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Advanced Placement (AP) United States History**
COURSE NO: (H) 0411
OFFERED: Full Year Alternate Days
CREDIT: 5 Credits
LEVEL: H
PREREQUISITES: Minimum grade of ‘B’ in World Civilizations (H)
GRADE: 10-11

DESCRIPTION OF COURSE: This five credit course is designed for students who will be taking either the United States History SAT Subject Test or the AP United States History Exam. The course covers the history of the United States from Colonization to the 1990’s. It will

provide analytic skills and factual knowledge to prepare students for intermediate and advanced college courses. Students will make extensive use of both primary and secondary source materials in the course of their historical inquiry. They will also write frequent essays involving both standard and document-based questions. In keeping with the History/Social Studies Department guideline, all students taking this course will be required to write one research paper for the course. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Advanced Placement (AP) Comparative Government and Politics**
COURSE NO: (H) 0445
OFFERED: 1st Semester
CREDIT: 5 Credits
LEVELS: H
PREREQUISITES: Minimum grade of 'B' in United States History II
GRADE: 11-12

DESCRIPTION OF COURSE: Advanced Placement (AP) Comparative Government and Politics is a course designed to introduce students to the fundamental concepts of politics. This course aims to illustrate the rich global diversity of political life, to show available institutional and governmental alternatives, to explain the differences that exist in processes and policy outcomes of different countries, to examine various economic systems, and to communicate to students the importance of international political and economic changes. The core concepts of AP Comparative Government and Politics will focus around the examination and investigation of China, Great Britain, Iran, Mexico, Nigeria, and Russia. Students who enroll in this course will:

- a) develop a working understanding of major comparative political concepts and themes.
- b) analyze and interpret basic data relevant to comparative government and politics.
- c) compare and contrast political institutions and processes across countries and the world.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute effectively.

TITLE: **Dynamics of Democracy: Connecting to Communities**
COURSE NO: (H) 0470 (CP) 0471 (S) 0472
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVELS: H, CP, and S
PREREQUISITES: Successful completion of United States History II as well as teacher and administrator recommendation
GRADE: 12

DESCRIPTION OF COURSE: This non-traditional government course engages students in the classic struggle of American democracy: how to balance the rights and responsibilities of individuals with the needs of society as a whole. Topics in American government are studied through a philosophical and practical lens with an emphasis on local issues. Students investigate course content through instructional fieldwork, simulations, guest speakers, research, readings, class discussions and community service learning (CSL) projects. Since CSL is a major component of this course, students may need transportation to cooperating community sites and must exhibit positive citizenship behavior.

Content includes the study of current public policy issues in the Tantasqua communities and Massachusetts, as well as the mission and work of the following community institutions: police and court system, public and private community agencies, local government offices, and state agencies that have an impact on our local communities. Other topics include the philosophy of democracy, citizenship, authority, and constitutional and criminal law. Guest speakers from the private and public sector provide insight into the practical aspects of the dynamics of democracy. Students of all abilities should find this course challenging and informative.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Economics**
COURSE NO: (H) 0460 (CP) 0461
OFFERED: 1st Semester
CREDIT: 5 Credits
LEVELS: H and CP
PREREQUISITES: Successful completion of United States History II
GRADE: 12

DESCRIPTION OF COURSE: This course introduces the fundamentals of economics which will familiarize students with the basic concepts of both macro and micro economics. Both our own capitalistic system and those employed in the more socialistic systems will be examined. Throughout the process of this course, students will acquire a working knowledge of the nature of capital, production, distribution, and consumption; the role of government in both a free and controlled economy, the nature and function of credit and banking, the relationship of Gross Domestic Product (GDP) to economic growth, the business cycle and attempts to control it. Skill development concentrates upon the critical analysis and application of concepts to assignments and activities covered in the text, classroom discussion, and outside sources. Students will also develop a facility with charts and graphs, supply and demand curves, and other math concepts. Additional independent research and projects are expected to be completed by all students. These projects should reflect the ability to think abstractly and to communicate information in a clear and effective manner through the written word and classroom discussions and presentations. Students will also examine real-world problems that relate to the concepts studied in this course. All honors (H) level students are encouraged to take the AP Macroeconomics and AP Microeconomics Exams.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Principles of Psychology
COURSE NO.: (H) 0436 (CP) 0437 (S) 0438
OFFERED: Semester
CREDITS: 5 Credits
LEVELS: H, CP, and S
PREREQUISITES: Successful completion of United States History II
GRADE: 11-12

DESCRIPTION OF COURSE: The purpose of Principles of Psychology is to introduce students to the systematic and scientific study of behavior and mental processes. Students will be exposed to the psychological facts, principles, and phenomena associated within the bio-psychological, cognitive, developmental, and sociocultural domains of psychology. They will also learn about the methods psychologists use in their science and practice. Further, psychology has the potential to draw upon the natural curiosity and interest that adolescents have concerning their development and behavior. Students taking this course at the standard (S) level will increase their ability to acquire, classify, and organize information connected with human growth, development, and behavior. In addition, students taking this course at the college preparatory (CP) level will interpret and evaluate information developed within the context of the classroom and through a variety of outside sources. Students taking this course at the honors (H) level will master all of the above skills as well as be able to synthesize and evaluate ideas and scientific methods of inquiry drawn from various principles of behavior. Honors level students will also be introduced to the major content areas and test questions covered in the AP Psychology Exam. Different methods and strategies will be used to actively involve students in this learning process. Some of these include experiments, problem solving group work, writing for understanding, oral presentations, news journals, and student notebooks. Some of the topics covered in psychology include the following: the biological bases of behavior; learning; growth and development; motivation, emotion, and stress; personality and assessment; and psychological disorders.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Literature of Psychology
COURSE NO.: (H) 0079 (CP) 0080
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVELS: H and CP
PREREQUISITES: Semester of Psychology recommended
GRADE: 11-12

DESCRIPTION OF COURSE: Literature of Psychology, an interdisciplinary course taught by the Social Studies and English Departments, brings together the scientific and artistic observations of human behavior in a way that enriches both. This course combines an examination of those concepts of psychology presented in Principles of Psychology and readings from literature, old and new plays, novels, short stories, and poems—selected for their treatment of the intricacies of human characters. Students will be expected to apply their growing knowledge of psychology to the analysis of the literature, demonstrating their command of the material through journals, tests, essays, projects, and dramatic exhibitions. If course requests are too numerous, seniors will be enrolled first. Students who take this course for English Department credit may not take it for History/Social Studies Department credit.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Sociology**
COURSE NO: (CP) 0431 (S) 0432
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP and S
PREREQUISITES: Successful completion of United States History II
GRADE: 11-12

DESCRIPTION OF COURSE: Sociology, a social science discipline, is the systematic study of human society and social interaction. Sociologists apply both theoretical perspectives and research methods to examine social behavior. They study human societies and their social interactions in order to develop theories of how human behavior is shaped by group life, and how, in turn, group life is affected by individuals. Students will use their “sociological imagination” to understand that although we live our lives on very personal terms, and emphasize individualism, it is important to consider the complex connections between our lives and the larger, recurring patterns of society and the world. In addition, sociological inquiry about society and human behavior will provide students with new ways of approaching problems in everyday life as well as promoting understanding and tolerance of people and cultures throughout the world. Students taking this course at the standard (S) level will increase their ability to acquire, classify, and organize information connected to human societies and how they are structured. In addition to this, students taking the college preparatory (CP) level will interpret and evaluate information developed within the context of the class and through a variety of outside sources. Active student learning will include role playing (reversal), simulation exercises, group discussions, audio-visual presentations, small group projects, research papers, writing assignments, and oral reports.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

JUNIOR/SENIOR SEMINAR

The Junior/Senior seminar allows students the opportunity to explore, examine, and investigate an assortment of specific topics in history. The premise of the seminar is to increase history electives by creating a schedule of courses over a two year period that provides the student body with the opportunity to take up to four different history electives during their junior and senior years. One elective seminar course will be offered each semester on a rotating schedule.

TOPIC: *Junior/Senior Seminar*
TITLE: **Wars and Revolutions** (Offered 2010-2011)
COURSE NO: (H) 0486 (CP) 0487 (S) 0488
OFFERED: Semester
CREDIT: 5 Credits
LEVEL: H and CP
PREREQUISITES: A semester of United States History II recommended as well as teacher recommendation to take the class at the honors level
GRADE: 11-12

DESCRIPTION OF COURSE: Wars and Revolutions is a course designed to study modern wars and revolutions that impact the course of American and World History. The war component of the course will compare and contrast the conventional wars of the 20th century (WWI and WWII, etc.) with the guerilla wars (Ireland, Vietnam, etc.) and use this knowledge to study current conflicts (Israel, Iraq). The revolution component of the course will compare and contrast the moderate revolutions, (American, Indian) with the radical revolutions (Russian, Chinese). Students will then examine which type of revolution is more successful in fulfilling the desires and needs of its people. Students will investigate the cause and results of both wars and revolutions through debates and historical simulations. The course is designed for highly motivated students who take an interest in the events of the past and how they connect to today. Study of current events is a daily component of the course. Students must have an interest that motivates them to follow the news of the world by reading newspapers and watching the news.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Exhibit ability to read, write, communicate and compute effectively.

TOPIC: *Junior/Senior Seminar*
TITLE: **The American Presidency** (Offered 2010-2011)
COURSE NO: (H) 0483 (CP) 0484 (S) 0485
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: H and CP
PREREQUISITES: A semester of United States History II recommended as well as teacher recommendation to take the class at the honors level
GRADE: 11-12

DESCRIPTION OF COURSE: This course is a comprehensive study of the American presidency and the role this prestigious office has played in shaping the nation's political, economic, and foreign policy. It begins with a look at the various pre-determined powers and limitations of the Presidency set forth by the Founding Fathers, including an evaluation of the ten specific functions of the President of the United States. The course then examines the process

and procedures of hiring a president from campaigns to inaugurations, as well as the procedures for firing a president, paying specific attention to the process of impeachment. Other topics include the political roles of the Presidency, specifically the President's relationship to Congress, the Supreme Court, and his Cabinet, as well as the image that he has presented to the American public throughout different periods in American history. Finally the course will take a look at the various personalities of the individuals who have had the honor of working in the Oval Office. Students will investigate the course content through extensive readings of texts, primary source materials, specifically inaugural addresses and presidential doctrines, as well as a variety of news sources. Students will also engage in simulations, research, oral and written reports, as well as projects and class discussions. Students will also demonstrate the ability to use technology as a tool to enhance their investigation and application in the appropriate areas of the curriculum. Active class participation is essential to success in this class which is designed to investigate, analyze, and identify those presidents who should be considered great or near great as well as those presidents whose administrations might be considered a disappointment and/or failure.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate and compute.

TOPIC: *Junior/Senior Seminar*
 TITLE: **America During the Early Cold War: The 50s and 60s** (Offered 2011-2012)
 COURSE NO: (H) 0489 (CP) 0490 (S) 0491
 OFFERED: 1st Semester
 CREDIT: 5 Credits
 LEVELS: H, CP, and S
 PREREQUISITES: Successful completion of United States History II as well as teacher recommendation to take at the honors level
 GRADE: 11-12

COURSE DESCRIPTION: America During the Early Cold War is a course on America in the 50s and 60s. While the Cold War policies and economics of the era are woven into class content, the course emphasizes the cultural traditions that emerged as the baby boomers took America by storm. While postwar America is often viewed as an idyllic time period in history, its people also experienced political assassination, deep racial inequality, cultural revolution, nuclear paranoia, and a new world of espionage. To understand this juxtaposition of the ideal and the real, students in the class will investigate related topics through primary source documents, magazines, books, music, videos, text excerpts and interviews. Students will analyze and evaluate this content through class simulations, research projects, trials, individual and group activities, and student-driven projects on topics of the era. Active class participation is required.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute effectively.

TOPIC: *Junior/Senior Seminar*
TITLE: **Global Challenges for the 21st Century** (Offered 2011-2012)
COURSE NO: (H) 0492 (CP) 0493
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVEL: H and CP
PREREQUISITES: Successful completion of United States History II as well as teacher recommendation to take at the honors level
GRADE: 11-12

DESCRIPTION OF COURSE: This course examines recent history and contemporary challenges facing several countries in Asia, Europe, and the Middle East, and their implications for the United States. Topics include: the emerging economic and political power of India, China, and Russia; the Israeli-Palestinian conflict; the War in Iraq; the rise of Radical Islamism; and the War on Terrorism. Students will examine the history of these challenges and conflicts, analyze current developments, and make predictions and recommendations for the future.

Significant themes or questions might include:

- What are the goals of these nations or groups and do these goals conflict with those of neighboring countries or of the United States?
- How do particular countries or peoples balance the need for security and autonomy with individual rights and growing economic interdependence?
- What roles have countries played in the past and what might they play in five years and in twenty-five years?
- What are the potential threats and opportunities for the United States and for the World?

Students will explore these regions and questions in greater depth than is possible in the World History classes and will acquire skills associated with analyzing global conflicts and controversies.

Assigned readings from textbooks, primary source documents, periodicals and newspapers, selected films, and individual and group research projects will empower and equip students to approach these questions from different perspectives. Active class participation is essential as students are expected to develop and communicate their own conclusions on significant international issues, take part in formal and informal debates, and participate in a long-term United Nations simulation.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute effectively.

INTERNSHIP PROGRAM

The student internship program is a work site experience during which a student, with guidance and supervision at the workplace, completes a series of activities, set of learning objectives, or projects designed to give a broad understanding of a business or occupational area. Internships may be served during part of the school day, after school, on weekends, during vacations, or in the summer. An intern earns credits for the work-based learning experience. All interns must complete an internship application and arrange the internship with the School-to-Career Counselor. The Massachusetts Department of Education Work-Based Learning Plan is employed as an evaluation tool. Interns submit weekly reports, and at the conclusion of the internship, a self-evaluation and a work-site evaluation. Internships may be paid or unpaid and are reserved for seniors only.

The goal of the student internship is to have the student experience the workplace environment as much as possible. We encourage student internship sponsors to allow the students to do as much “hands on” activity as they are willing to allow, while maintaining safety and ethical protocol. Engaging students in the daily routine helps to emphasize the importance of the work and gives the student a greater understanding of what educational preparation is necessary to pursue a career in that area.

Previous internship placements included district elementary schools, Tantasqua Regional Junior High, Tantasqua Regional High School, Tantasqua/Union 61 Superintendent’s Office, Harrington Hospital, Mary Lane Hospital, Wing Memorial Hospital, Sturbridge Police Department, Southbridge Evening News, Sturbridge Host Hotel, OFS Engineering, area retailers, hair salons, nursing homes, veterinary clinics, law offices, and insurance companies.

INTERNSHIPS

TITLE:	Student Internship
OFFERED:	Semester
CREDIT:	2.5 Credits (for alternate day) 5 Credits for everyday
PREREQUISITES:	Graduation requirements met, 90% attendance, GPA of 2.0 or better, and no suspensions the semester before the internship is to be served, or administrative approval.
GRADE:	12

DESCRIPTION OF COURSE: The student internship program is a work site experience during which a student, with guidance and supervision at the workplace, completes a series of activities, set of learning objectives, or projects designed to give a broad understanding of a business or occupational area. Internships may be served during part of the school day, after school, on weekends, during vacations, or in the summer. An intern earns credits for the work-based learning experience. All interns must complete an internship application and arrange the internship with the School-to-Career Counselor. The Massachusetts Department of Education Work-Based Learning Plan is employed as an evaluation tool. Interns submit weekly reports, and at the conclusion of the internship, a self-evaluation and a work-site evaluation. Internships may be paid or unpaid, and are reserved for seniors only.

LIFE SKILLS DEPARTMENT

Family and Consumer Science

As part of the Life Skills Department, the Family and Consumer Science program is designed to teach students to make healthy decisions and to become informed consumers and family members. Family living impacts what we are; how we see others; how we deal with others; and how we proceed through life. Students are given the opportunity to explore the many facets of family life, to become critical decision makers, and to communicate effectively with others. Students will also have the opportunity to apply classroom theory to hands-on activities in class, and use their knowledge and skills in everyday living situations. The basic living skills that they learn in class will enable them to live happy, healthy, and productive lives.

TITLE: Foods and Basic Nutrition
COURSE NO: 0812
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADE: 10-12

DESCRIPTION OF COURSE: Foods class is designed to introduce students to the basics of food preparation, presentation, proper nutrition and making wise food choices. Students will learn the basics of food preparation, including: proper measuring techniques, use of kitchen equipment, cooking terms, kitchen sanitation and safety. Units covered may include quick breads, grains, yeast breads, fruits, milk, eggs, cheese, various baked products, cake decorating, holiday baking, deep fat frying, entrees, meal planning including foods from foreign countries as well as from different regions of the United States. Time will be spent covering proper selection of foods, nutrition, menu planning, and table setting. Various career opportunities within the food service industry may be explored. Students will be involved in the preparation and presentation of food for various school functions.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the appropriate use of technology appropriate to subject areas.
- Exhibit the ability to communicate.

TITLE: Parenting/Child Development
COURSE NO: 0816
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADE: 10-12

DESCRIPTION OF COURSE: This course begins with an overview of the family unit and the importance of the family in raising happy, healthy children, and adults. The role of the family in society, parent readiness, teen pregnancy, marriage, divorce, and money management follow. Students will study basic child psychology and child development as well as learn how to care for infants and children. In this class, discipline techniques for all ages are discussed as well as issues facing teenagers. The various types of abuse that occur within families will be explored.

Students will gain a better understanding of the demanding task and responsibility of parenthood. Field trips, guest speakers, and a job shadow experience are also components of this course.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the appropriate use of technology appropriate to subject areas.
- Exhibit the ability to communicate.

Health

Health is a requirement for graduation. Sophomores must take and earn 2.5 credits in a Health course.

TITLE: **Health I: An Examination of Risks**
COURSE NO: 0810
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: None
GRADE: 10

DESCRIPTION OF COURSE: Health I is a semester long course grounded in scientific principles that explores adolescent behavior and the effects such behavior can have on individuals, their family, a social group, or society. The objectives are 1) make students familiar with diseases as they affect human body systems; 2) explore health behavior theory so that students may understand the rationale behind their decision making; 3) teach health enhancing behaviors for students to incorporate into their lifestyle; and 4) practice the skills necessary for health promotion. Emphasis is placed on the science of health. Class work will include readings, quizzes, class discussions, individual, and group portfolio projects.

Health I encourages students to be active participants in the investigation of adolescent health issues. The course consists of six parts: cardiovascular disease, communicable diseases, human sexuality, mental health, drugs, and personal safety. Identification of risk-taking behavior and habits to improve personal health and safety are the primary foci throughout the semester. Each student is encouraged to identify individual health needs and to develop specific plans to maintain or improve personal health. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire interpret analyze integrate and apply information in a discerning manner.
- Demonstrate the appropriate use of technology appropriate to subject areas.
- Exhibit the ability to communicate.

TITLE: **Foundations of Leadership**
COURSE NO: 0826
OFFERED: Semester
CREDIT: 2.5 Credits
PREREQUISITES: Health I: An Examination of Risks
GRADE: 10-12

DESCRIPTION OF COURSE: Foundations of Leadership is a semester long course designed to give students of all abilities the opportunity to demonstrate leadership through skill development and the practice of service within Tantasqua Regional High School and the Union 61 Community. Course objectives are 1) to develop in every student an awareness of his or her own leadership potential; 2) to assist students in developing essential leadership skills that enable them to act responsibly in all aspects of their lives; 3) to develop citizens who possess the leadership abilities to meet present and future challenges in a global society; 4) to provide students with opportunities to learn and practice essential leadership skills within a learning community.

Foundations of Leadership will ask students to demonstrate and practice leadership skills in the planning and execution of service projects designed to foster school unity, citizenship, and community service.

Course work will include readings, homework, class discussions, oral presentations, and individual and group portfolio projects.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the appropriate use of technology appropriate to subject areas.
- Exhibit the ability to read, write, and communicate effectively.

Civic Expectation from the Mission Statement:

- Display an understanding of the participatory nature, responsibilities, and benefits of citizenship and community service in a representative democracy.

Social Expectations from the Mission Statement:

- Demonstrate respect, responsibility, and maturity in interactions within the school community.
- Display tolerance and understanding in our multi-cultural world.

Physical Education

The physical education program is designed to meet students' needs through individual and team sports with a focus on lifetime activities. These activities are designed to meet specific goals that develop group unity and cohesiveness, critical thinking skills, and encourage students to try any and all challenges that are presented to them. Students develop skills in trust, respect, and healthy risk-taking. All physical education classes are co-educational. Students are required to change their clothes for class to promote proper hygiene. Students may participate in a swimming unit during their physical education class. Students must wear a clean bathing suit (with no underwear as per public health law) and provide their own towel and showering materials.

Students must pass a minimum of seven and one-half credits of physical education to graduate. Students in grades nine and ten are assigned to Physical Education 9/10. Students in grades eleven and twelve may choose physical education as an elective. Seniors must have the approval of the physical education department and school-to-career counselor to be an intern for a semester. First consideration for an internship is given to seniors interested in physical education, or a related field, as a career. A limited number of internships are available.

Students are **not medically excused** from physical education, regardless of one's disability. Students who are unable to participate due to a long term or chronic medical issue **must provide medical documentation**. Students unable to actively participate in physical education class due to a short term medical issue must have a note from a parent/guardian and may be required to obtain documentation from their physician. Documentation must include the nature of the disability, date of return to active participation, and the physician's name and signature.

A written assignment called a *Sportfolio* will be required of a student unable to participate in physical education for a medically documented reason.

Students who wear jewelry or have body piercing that are deemed by the instructor to present a danger to the student or others will be required to remove or cover the jewelry or pierced area of concern while participating in class activities.

TITLE: **Physical Education 9/10**
COURSE NO: 0801
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: None
GRADE: 9 & 10

DESCRIPTION OF COURSE: The focus of Physical Education 9/10 is the development of basic fitness concepts, physical skills, games, rules, and both individual and team play. Students may begin to develop an understanding for the kinesiology and biomechanics of movement. Units may include the following: aerobic activities, badminton, basketball, coordination, floor hockey, fitness testing, fitness, lacrosse, new games, orienteering, recreational games, soccer, softball, swimming, tennis, ultimate Frisbee, volleyball, and weight training. **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate.

TITLE: **Lifetime Physical Education**
COURSE NO: 0825
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: Instructor Approval Needed
GRADE: 9-12

COURSE DESCRIPTION: This course is designed to teach the student about activities that will foster a healthy lifestyle and encourage lifelong physical wellbeing. The course will be broken down into several sections pertaining to specific activities. Examples include racquet sports, recreational games, walking and jogging, personal fitness, healthy diet, and healthy daily living routines. The student will also be introduced to health and fitness facilities in the community through field trips to local health clubs, golf courses, and bowling alleys during class time. This course may be taken in place of Physical Education 9/10.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate.

TITLE: **Introduction to Dance**
COURSE NO: 0799
OFFERED: Semester Alternate Day
CREDIT: 2.5 Credits
PREREQUISITES: None
GRADE: 9-12
NOTE: This course fulfills PE or Fine Arts graduation requirement

DESCRIPTION OF COURSE: Students will explore the elements of dance and develop a deeper and fuller understanding of music and dance as art forms. Students will study various genres of dance that will promote correct posture and physical conditioning as they work to execute the basic movements of these styles. This course will also require students to create their own choreography and analyze and critique a variety of dance performances. This is an active class that will encourage the development of flexibility, coordination, stamina, and strength through dance training and aerobic conditioning. Students are expected to wear dance attire and actively participate in every class as they work toward a more positive self image through the performing arts. Homework and class work will consist of practicing dance steps, creating original dance combinations, collaborating on choreography projects, and analyzing dance styles through the use of both live and video presentations (i.e. movie musicals, dance concerts, etc.). **MUST BE MATCHED WITH ANOTHER ALTERNATE DAY COURSE**

Academic Expectations from Mission Statement:

- Select educational pathways consistent with interests, abilities and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Exhibit ability to read, write, communicate and compute.

TITLE: **Physical Education 11/12**
COURSE NO: 0803
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: Successful completion of Physical Education 9/10
GRADE: 11-12

DESCRIPTION OF COURSE: The focus of Physical Education 11/12 is to help the students understand advanced concepts of fitness, game play, strategies, and team concepts. Students may continue to develop an understanding for the kinesiology and biomechanics of movement. Students will spend most of the semester in fitness related activities such as stretching, cardiovascular training, and muscular strength and endurance. Students also may participate in the following selections: archery, badminton, basketball, coordination, fitness testing, floor hockey, golf, lacrosse, recreational games, softball, soccer, swimming, tennis, ultimate Frisbee, and volleyball. RAD, a self-defense program run by the local police departments, will be offered in a manner to be decided each semester. Activities will be limited to ensure objectives are met; therefore, not all activities listed above will be offered.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate.

TITLE: **Sports Fitness Training**
COURSE NO: 0807
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: Successful completion of Physical Education 9/10
GRADE: 11-12

COURSE DESCRIPTION: This advanced level course is designed for students interested in resistance training and cardiovascular conditioning as a means of enhancing athletic performance. Focus is on sport-specific programs that establish a sound fitness base while maximizing athletic potential. Intensity level will increase as the student masters each section.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate.

TITLE: **Waterfront Lifeguard Training**
COURSE NO: 0817
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: Must pass a swimming test prior to enrolling to gain instructor Approval, and be 15 years old by end of enrolled semester
GRADE: 11-12

COURSE DESCRIPTION: This approximately 40 hour comprehensive course prepares participants for employment as lifeguards. The purpose of the course is to teach entry-level participants the knowledge and skills to prevent, recognize, and respond to aquatic emergencies and to provide care for injuries and sudden illnesses until emergency medical services (EMS) personnel arrive and take over at a pool and waterfront environments. Key features of this course include:

- Life guarding, CPR/AED and first aid skills and information in the DVD presented in an aquatic setting. CPR/AED skills meet updated Emergency Cardiovascular Care (EEC) 2006 Guidelines.
- Skills based scenarios and decision-making.
- Course information for Lifeguard Training, First Aid, CPR for the Professional Rescuer, Automated External Defibrillation (AED) Essentials, Waterfront Life guarding, Preventing Disease Transmission, and Oxygen Administration will be covered as time permits.

Upon successful completion of this course, participants receive a 1-year CPR for the Professional Rescuer/AED certificate and a 3-year Lifeguard Training and First Aid certificate. Students will

need to have a Lifeguard Training manual and resuscitation mask which may need to be purchased. The course may require students to stay after school as a class to complete some skills from time to time. This course description was taken from the American Red Cross Instructor's manual and On-line Literature.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate.

MATHEMATICS DEPARTMENT

The Mathematics Department offers courses that are designed to meet the needs of all students.

These courses:

- Accommodate all students' interests, abilities, and goals.
- Have specific measurable goals associated with each skill area.
- Require students to assume responsibility for attaining goals.
- Develop skills through applications that require students to acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Include the use of all appropriate technology.

Standard Level Courses

TITLE: MCAS Math
COURSE NO: (S) 0205
OFFERED: Semester 1
CREDIT: 5 Credits
LEVELS: S
PREREQUISITES: Must have a warning on the 8th grade MCAS test or failed the 10th grade MCAS test
GRADE: 10-12

DESCRIPTION OF COURSE: This course is designed to help improve the computational and mathematical interpretation skills of students who have taken and received a warning or failure on the MCAS test. The course content is aligned with the Massachusetts Curriculum Frameworks. The curriculum includes topics from the Framework strands of: Number Sense and Operations; Patterns, Relations and Algebra; Geometry; Measurement; Data analysis, Statistics, and Probability. The credits for this course do not fulfill the school's math credit requirements for graduation.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Math Connections	Math Connections
COURSE NO:	(S) 0278	(S) 0279
OFFERED:	1st Semester	2nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	Teacher recommendation	
GRADE:	9 - 12	9 - 12

DESCRIPTION OF COURSE: Math Connections is a remedial course designed to prepare students for Algebra I Part 1 (S). Units covered include the study of patterns and functions, basic probability, number sense, interpreting data, geometry, and arithmetic skills. Students in Math Connections will approach problems of increasing complexity in a variety of content areas. Emphasis will be placed on displaying and communicating numerical and algebraic sense. The next recommended course is Algebra I - Part 1 (S).

Academic Expectations from the Mission Statement:

- Acquire information in a discerning manner.
- Interpret information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Algebra I - Part 1	Algebra I - Part 1
COURSE NO:	(S) 0274	(S) 0275
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	A minimum grade of 'D' in 8 th grade Pre-Algebra or 'C' in 9 th grade Math Connections and teacher recommendation	
GRADE:	9 - 12	9 - 12

DESCRIPTION OF COURSE: Algebra I – Part 1 constitutes the first course in our standard level mathematics sequence. It is essential for many trades and professions and is required for some majors at two-year colleges. Units covered include variable representation, order of operations, operations with signed numbers, solving both linear equations and linear inequalities. Emphasis is placed on problem solving and computing using algebraic methods and appropriate technology. The next recommended course is Algebra I - Part 2 (S).

Academic Expectations from the Mission Statement:

- Acquire information in a discerning manner.
- Interpret information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Algebra I - Part 2	Algebra I - Part 2
COURSE NO:	(S) 0276	(S) 0277
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	A minimum grade of 'C' in Algebra I Part 1 (S) and teacher recommendation	
GRADE:	9 - 12	9 - 12

DESCRIPTION OF COURSE: Algebra I – Part 2 constitutes the second course in our standard level mathematics sequence. It is essential for many trades and professions and is required for some majors at two-year colleges. Units covered include graphing linear equations and inequalities, absolute value functions, exponential functions, solving systems of equations and solving real-world problems. Emphasis is placed on problem solving and computing using algebraic methods and appropriate technology. The next recommended course is standard level Bridge to Algebra II (S).

Academic Expectations from the Mission Statement:

- Acquire information in a discerning manner.
- Interpret information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Bridge to Algebra II	Bridge to Algebra II
COURSE NO:	(S) 0237	(S) 0238
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	A minimum grade of 'C' in Alg I Part 2 (S) and teacher recommendation	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: Bridge to Algebra II is the third course in our standard level mathematics sequence. Units covered include solving and graphing quadratic equations, operations with polynomials, rational exponents, radicals, and solving real-world problems. Emphasis is placed on problem solving and computing using algebraic methods and appropriate technology. The next recommended course is Algebra II (S).

Academic Expectations from the Mission Statement:

- Acquire information in a discerning manner.
- Interpret information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Algebra II	Algebra II
COURSE NO:	(S) 0229	(S) 0230
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	A minimum grade of 'C' in Bridge to Algebra II (S) and teacher recommendation	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: Algebra II (S) is the fourth course in our standard level mathematics sequence. It is essential for many trades and professions and is required for some majors at two-year colleges. Units covered include graphing polynomial equations, operations on polynomial functions, families of functions, rational and negative exponents, imaginary and complex numbers and arithmetic and geometric sequences. Emphasis is placed on problem solving and computing using algebraic methods and appropriate technology. The next recommended course is Geometry (S).

Academic Expectations from the Mission Statement:

- Acquire information in a discerning manner.
- Interpret information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Geometry	Geometry
COURSE NO:	(S) 0226	(S) 0227
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	A minimum grade of 'C' in Algebra II (S) and teacher recommendation	
GRADE:	11-12	

DESCRIPTION OF COURSE: Geometry (S) is designed for those students who have had difficulty with mathematics but would benefit from having the fundamentals of geometry. While the content parallels that of Geometry (CP), emphasis is placed on interpreting information and computational skills. Units covered include two-dimensional relationships, congruence, similarity, parallel lines, area, and volume. The primary focus is to learn concrete geometric concepts applicable to most trades and professions. This course is limited to 11th and 12th grade students.

Academic Expectations from the Mission Statement:

- Acquire information in a discerning manner.
- Exhibit the ability to compute.

College Preparatory Level Courses

TITLE:	Algebra I	Algebra I
COURSE NO:	(CP) 0211	(CP) 0210
OFFERED:	Full Year	Full Year (January to January)
CREDIT:	10 Credits	10 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in 8 th grade Pre-Algebra and teacher recommendation	
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: Algebra I is the first course in our college preparatory mathematics sequence. It is required by most colleges and is essential for most trades and professions. Units covered include polynomials, linear equations, inequalities, probability, interpreting data, and fundamental geometric concepts and their algebraic applications. Emphasis is placed on problem solving and computing using algebraic methods and appropriate technology. The next recommended course is Algebra II (CP).

Academic Expectations from the Mission Statement:

- Acquire information in a discerning manner.
- Interpret information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate.
- Exhibit the ability to compute.

TITLE:	Algebra II	Algebra II
COURSE NO:	(CP) 0241	(CP) 0242
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Algebra I (CP) and teacher recommendation	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: Algebra II (CP) is the second course in our college preparatory mathematics sequence. It satisfies the mathematics prerequisite for entry into all Massachusetts state colleges and universities. Units covered include graphing and solving linear and quadratic functions, graphing and solving inequalities, complex numbers, polynomial equations, and conic

sections. Appropriate technology is utilized to help students analyze and interpret information. The recommended next course is *Geometry (CP).

Academic Expectations from the Mission Statement:

- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

** Note: The mathematics department is in a transition year. We are changing the order of our math sequence. As a result, some students taking Algebra II (CP) may have already taken Geometry and would therefore be recommended to take Algebra III (CP) as their next sequential course. All questions concerning the new sequence should be referred to the student's current mathematics teacher.*

TITLE:	Geometry	Geometry
COURSE NO:	(CP) 0221	(CP) 0222
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Algebra II (CP) and teacher recommendation	
GRADE:	10-12	10 -12

DESCRIPTION OF COURSE: Geometry (CP) is the third course in our college preparatory mathematics sequence. Required by most colleges, Geometry is recommended for students planning on continuing their education past high school. Units covered include parallel and perpendicular lines, properties of triangles, congruent and similar figures, and right triangle trigonometry. Though proof is an integral part of the course, emphasis is placed on the organization of ideas and the application of geometric concepts. The recommended next course is Algebra III (CP).

Academic Expectations from the Mission Statement:

- Analyze information in a discerning manner.
- Integrate information in a discerning manner.
- Apply information in a discerning manner.
- Exhibit the ability to compute.

TITLE:	Algebra III	Algebra III
COURSE NO:	(CP) 0233	(CP) 0234
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Algebra II (CP) and teacher recommendation	
GRADE:	10 – 12	10 - 12

DESCRIPTION OF COURSE: Algebra III (CP) is the fourth course in our college preparatory mathematics sequence. It prepares students with the knowledge base and critical thinking skills demanded by competitive colleges. Units covered include logarithms and exponential functions, rational functions, parent functions and translating, conic sections, sequences and series, and an introduction to trigonometry. Appropriate technology is utilized to help students analyze and

interpret information. It is strongly recommended that each student has the use of a TI-83+ calculator or its equivalent for this course. The recommended next course is Precalculus (CP).

TITLE:	Precalculus	Precalculus
COURSE NO:	(CP) 0251	(CP) 0252
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Algebra II Precalculus Sequence or 'C' in Algebra III (CP) and teacher recommendation	
GRADE:	11-12	11-12

DESCRIPTION OF COURSE: Precalculus (CP) is the fifth course in our college preparatory mathematics sequence. This course will provide a basic foundation for Calculus. Units covered include topics in advanced algebra, trigonometry, and analytic geometry. It is strongly recommended that each student has the use of a TI-83+ calculator or its equivalent for this course. The recommended next course is Calculus (H).

Academic Expectations from the Mission Statement:

- Integrate information in a discerning manner.
- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

Honors Level Courses

TITLE:	Algebra I
COURSE NO:	(H) 0212
OFFERED:	1 st Semester
CREDIT:	5 Credits
LEVELS:	H
PREREQUISITES:	Minimum grade of 'B' in 8 th grade Pre-Algebra and teacher recommendation
GRADE:	9

DESCRIPTION OF COURSE: Algebra 1 (H) is the first course in our honors mathematics sequence. It prepares motivated students with the knowledge base and critical thinking skills demanded by the honors level math courses. Units covered include: Solving, graphing, modeling linear, quadratic, radical, exponential equations and inequalities; problem solving and modeling with linear, quadratic, radical, and exponential equations; systems of equations and inequalities; functions. The next recommended course is Geometry (H).

Academic Expectations from the mission statement:

- Acquire information in a discerning manner.
- Interpret information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate and compute.

TITLE:	Geometry	Geometry
COURSE NO:	(H) 0219	(H) 0220
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	H	H
PREREQUISITES:	Minimum grade of 'B' in 8 th grade Algebra I (H) or 'C+' in 9 th grade Algebra I (H) and teacher recommendation	
GRADE:	9 – 10	9 - 10

DESCRIPTION OF COURSE: Geometry (H) is the second course in our honors mathematics sequence. Required by most colleges, it provides the student of above average ability with the knowledge base and critical thinking skills demanded by the most competitive four-year colleges. While covering the traditional topics of Geometry (CP), this course places greater emphasis on proof and advanced critical thinking skills. The recommended next course is Algebra II (H).

Academic Expectations from the Mission Statement:

- Analyze information in a discerning manner.
- Integrate information in a discerning manner.
- Apply information in a discerning manner.
- Exhibit the ability to compute.

TITLE:	Algebra II
COURSE NO:	(H) 0240
OFFERED:	2 nd Semester
CREDIT:	5 Credits
LEVELS:	H
PREREQUISITES:	Minimum grade of 'C+' in Geometry (H) and teacher recommendation
GRADE:	10

DESCRIPTION OF COURSE: Algebra II (H) is the third course in our honors mathematics sequence. It prepares motivated students with the knowledge base and critical thinking skills demanded by competitive colleges. Units covered include linear equations and functions, polynomial equations, systems of equations, complex numbers, equations in three variables, conics, and an introduction to natural logarithms and the number e. Appropriate technology is utilized to help students analyze and interpret information. It is strongly recommended that each student has the use of a TI-83+ calculator or its equivalent for this course. The recommended next course is Precalculus (H).

Academic Expectations from the Mission Statement:

- Integrate information in a discerning manner.
- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.

TITLE: * **Algebra III**
COURSE NO: (H) 0235
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVELS: H
PREREQUISITES: Minimum grade of 'C+' in Geometry (H) and teacher recommendation
GRADE: 10

DESCRIPTION OF COURSE: Algebra III (H) is an accelerated fourth course in our honors mathematics sequence. It prepares motivated students with the knowledge base and critical thinking skills demanded by competitive colleges. Units covered include polynomial functions and modeling, parent functions and translating, logarithms and exponential functions, conic sections, sequences and series, linear programming, and an introduction to trigonometry. Appropriate technology is utilized to help students analyze and interpret information. It is strongly recommended that each student has the use of a TI-83+ calculator or its equivalent for this course. The recommended next course is Precalculus (H).

** Note: Algebra III (H) is being offered on a one-time basis. It is only available to students in the class of 2013 who have successfully completed Algebra II (H) and Geometry (H). It will not be offered beyond the 2010-2011 school year.*

TITLE: **Precalculus**
COURSE NO: (H) 0250
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVELS: H
PREREQUISITES: Minimum grade of 'C+' in Algebra II (H) and teacher recommendation
GRADE: 11-12

DESCRIPTION OF COURSE: Precalculus (H) is the fourth course in our honors mathematics sequence. It is designed to be more rigorous than Precalculus (CP). Units in Precalculus (H) are covered in greater depth. Additional units in discrete mathematics are introduced. It is strongly recommended that each student has the use of a TI-83+ calculator or its equivalent for this course. The recommended next course is AP Calculus (AB).

Academic Expectations from the Mission Statement:

- Integrate information in a discerning manner.
- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE: **Calculus**
COURSE NO; (H) 0255
OFFERED: 1st Semester
CREDIT: 5 Credits
LEVELS: H
PREREQUISITES: Minimum grade of 'C+' in Precalculus (CP) or 'C-' in Precalculus (H) and teacher recommendation
GRADE: 12

DESCRIPTION OF COURSE: Calculus (H) is typically the first year of mathematics in college. Included in this high school course are differential and integral calculus of algebraic functions. Successful completion will give the motivated student the subject familiarity and confidence to succeed in Calculus at any four-year college. It is strongly recommended that each student has the use of a TI-83+ calculator or its equivalent for this course.

Academic Expectations from the Mission Statement:

- Integrate information in a discerning manner.
- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE: **Advanced Placement (AP) Calculus AB**
 COURSE NO: (H) 0260
 OFFERED: Full Year
 CREDIT: 10 Credits
 LEVELS: H
 PREREQUISITES: Minimum grade of ‘C+’ in Precalculus (H) and teacher recommendation
 GRADE: 12

DESCRIPTION OF COURSE: Advanced Placement (AP) Calculus AB is a college course. Included in this course are analytic geometry review and extension, differentiation and integration of algebraic and transcendental functions, and differential and integral applications. It is strongly recommended that each student has the use of a TI-83+ calculator or its equivalent for this course. Students completing this course should be ready to take the AP Calculus AB Exam in May.

Academic Expectations from the Mission Statement:

- Integrate information in a discerning manner.
- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

Mathematics Electives

TITLE:	Consumer Math	Consumer Math
COURSE NO:	(S) 0206	(S) 0207
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credit	5 Credits
LEVELS:	S	S
PREREQUISITES:	Students must have a minimum of 10 math credits and must have passed the 10 th grade MCAS test to take this course.	
GRADE:	11-12	11-12

DESCRIPTION OF COURSE: Consumer Math is designed for students who intend to enter the workforce after graduation. The course is designed to help graduating students understand and handle the financial responsibilities of adulthood. Units covered include earnings, taxes, insurance, retirement plans, borrowing, investing, banking, budgeting, buying, and home ownership. Emphasis is placed on solving practical problems.

Academic Expectations from the Mission Statement:

- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Probability and Statistics	Probability and Statistics
COURSE NO:	(CP) 0261	(CP) 0262
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Successful completion of Algebra II (H), or a minimum grade of 'C' in Algebra II Precalculus Sequence or a minimum grade of 'B' in Algebra II (CP)	
GRADE:	11-12	11-12

DESCRIPTION OF COURSE: Probability and Statistics (CP) introduces the student to the many ways to present, analyze, and predict data. This course is a vital part of numerous college curricula including such varied majors as Business, Psychology, and Political Science. Units covered include measures of central tendency, permutations, combinations, the normal distribution, z-scores, and probability distributions. Emphasis is placed on collecting data and determining the probability of an event.

Academic Expectations from the Mission Statement:

- Analyze information in a discerning manner.
- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Probability and Statistics
COURSE NO:	(H) 0264
OFFERED:	2 nd Semester
CREDIT:	5 Credits
LEVELS:	H
PREREQUISITES:	Minimum grade of 'C' in Algebra II (H) or 'B' in Algebra II (CP) and teacher recommendation
GRADE:	12

DESCRIPTION OF COURSE: Probability and Statistics (H) introduces the student to the many ways to present, analyze, and predict data. This course discusses many methods of statistics and uses higher level mathematics to solve challenging problems of application. Independent reading assignments and research papers are a part of the course. Units covered include measures of central tendency, permutations, combinations, the normal distribution, z-scores, probability distributions, sampling techniques, the Central Limit Theorem, correlation, hypothesis testing, and confidence levels. Emphasis is placed on collecting and analyzing data, and determining the probability of complex events.

Academic Expectations from the Mission Statement:

- Analyze information in a discerning manner.
- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to compute.

TITLE:	Introduction to Computers with Programming	
COURSE NO:	(CP) 0280	(CP) 0281
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Successful completion of Algebra I and teacher recommendation	
GRADE:	9-12	9-12

DESCRIPTION OF COURSE: Introduction to Computer with Programming is the first year of work in computer programming. This course will introduce students to the basic operations, concepts, and procedures of programming personal computers. Units covered include the basic programming language, spreadsheet, and word processing applications. Emphasis is placed on analyzing, interpreting, and applying information to solve problems and communicate the solution. The recommended next course is Intermediate Computer Programming.

Academic Expectations from the Mission Statement:

- Interpret information in a discerning manner.
- Apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate and compute.

TITLE:	Intermediate Computer Programming	
COURSE NO.	(CP) 0282	(CP) 0283
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Successful completion Geometry, minimum grade of ‘C’ in Introduction to Computer with Programming and teacher recommendation	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: Intermediate Computer Programming is the second year of work in computer programming. This course provides students with a more intensive study of computer programming. Programming topics include memory organization, arrays, sorting, searching, and interactive databases. Elementary logic, data analysis, and problem solving are stressed through applications in mathematics, engineering, and other technological fields. The recommended next course is Advanced Computer Programming.

Academic Expectations from the Mission Statement:

- Analyze information in a discerning manner.
- Integrate information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate and compute.

TITLE:	Advanced Computer Programming	
COURSE NO:	(H) 0284 (CP) 0286	(H) 0285 (CP) 0287
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	H and CP	H and CP
PREREQUISITES:	Minimum grade of 'C' in Intermediate Computer Programming and teacher recommendation	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: Advanced Computer Programming is the third year of work in computer programming. This course develops analytical skills and sophisticated programming techniques by programming in Java. Students will examine the capabilities and limitations of Java. The fundamentals of algorithms, data types, memory organization, and classes will be investigated. Emphasis is on program efficiency.

Academic Expectations from the Mission Statement:

- Analyze information in a discerning manner.
- Integrate information in a discerning manner.
- Demonstrate the ability to use technology appropriate to subject areas.
- Exhibit the ability to communicate and compute.

SCIENCE DEPARTMENT

An understanding of science is central to our ability to succeed in an ever-changing technological society. Students must be prepared to make decisions and to assess the validity of evidence and the logic of arguments. Course offerings have been designed to meet the needs of all students and to challenge them to think critically and communicate effectively. An environment that fosters the development of a positive attitude towards science will encourage students to take ownership of the scientific process and to achieve at the highest possible level. Using the tools of science, students will be able to assume their roles as informed members of the global community.

In order to fulfill requirements for graduation:

1. Freshmen must take and pass Introduction to Physics (CP or S) or Biology (H).
2. Sophomores must take and pass Biology (CP) or Applied Biology (S).
3. Students must earn 15 credits in science.
4. Electives will be offered as enrollment permits.

TITLE: Introduction to Physics
COURSE NO: (CP) 0389
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Science 8
GRADE: 9

DESCRIPTION OF COURSE: This is an introductory course in which students will study topics in physics including forces and motion, conservation and transmission of energy, structure of matter, electromagnetism and electromagnetic radiation, and sound and light. Students will perform inquiry-based experiments which will clarify difficult concepts. Laboratory exercises and activities are designed to promote greater understanding of the material and to apply problem solving and critical thinking skills.

Academic Expectations from the Mission Statement:

- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE: Introduction to Physics
COURSE NO: (S) 0390
OFFERED: Semester
CREDIT: 5 Credits
LEVELS: S
PREREQUISITES: None
GRADE: 9

DESCRIPTION OF COURSE: This is an introductory course intended for students whose mathematical skills indicate a less quantitative approach than that offered on the (H) and (CP) levels. Students will study topics similar to those outlined in Introduction to Physics (CP), but the approach will be less rigorous with greater emphasis on the applications of science. The inquiry-based lab program is designed to help students to clarify difficult concepts and further develop quantitative reasoning skills.

Academic Expectations from the Mission Statement:

- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE:	Biology	Biology
COURSE NO:	(H) 0348	(H) 0349
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	H	H
PREREQUISITES:	Recommendation of eighth grade science teacher or a minimum grade of 'C' in Introduction to Physics (H)	
GRADE:	9-10	9-10

DESCRIPTION OF COURSE: This is an introductory, accelerated course in the fundamental concepts in biology. Topics covered will include those covered in Biology (CP) but the approach will be more rigorous. The emphasis will be on inquiry-based learning and lectures. Students will participate in group discussions, demonstrations, and group laboratory work. Outside readings and term projects will be assigned.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, and communicate.

TITLE:	Biology
COURSE NO:	(CP) 0350
OFFERED:	Semester
CREDIT:	5 Credits
LEVELS:	CP
PREREQUISITES:	Minimum grade of 'C' in Introduction to Physics (CP)
GRADE:	10

DESCRIPTION OF COURSE: This is an introductory course in the fundamental concepts in biology. Topics covered will include the following: scientific inquiry, biochemistry, cellular biology, evolution, genetics, body systems, and ecology. The emphasis will be on inquiry-based learning and lectures. Students will participate in group discussions, demonstrations, group laboratory work, and term projects.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write and communicate.

TITLE:	Applied Biology	Applied Biology
COURSE NO:	(S) 0352	(S) 0353
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	Successful completion of Introduction to Physics	
GRADE:	10	10

DESCRIPTION OF COURSE: This is a hands-on, project-based course in the fundamental concepts in biology. Topics covered will be similar to those covered in college preparatory (CP) Biology, including the following: scientific inquiry, cellular biology, evolution, genetics, major organ systems, and ecology, with an emphasis on inquiry and application. Students will participate in group discussions and laboratory work, and complete research projects.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE:	Chemistry	Chemistry
COURSE NO:	(H) 0366	(H) 0367
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	H	H
PREREQUISITES:	Minimum grade of 'C' in Biology (H), Geometry (H) and Algebra II (H) or simultaneous enrollment in Algebra II (H), and recommendation of the mathematics and science teachers.	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: This is an introductory accelerated course in general chemistry requiring a strong foundation in mathematics. Topics covered will be similar to those studied in Chemistry (CP), but the material will be presented in greater depth and at an accelerated pace. The emphasis will be on the quantitative aspects of chemistry. Class work will include the following: lectures, group discussions, demonstrations, laboratory work and research, problem solving sessions, and outside projects.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE:	Chemistry	Chemistry
COURSE NO:	(CP) 0368	(CP) 0369
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Biology (CP) and Algebra II (CP) and recommendation of mathematics and science teachers	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: This is an introductory course in general chemistry. Topics covered will include the following: fundamental concepts of matter, energy and change, the organization of matter, the language of chemistry, solution chemistry, and chemical reactions. The emphasis will be on providing a solid foundation in the fundamentals of chemistry. Class work will include lectures, group discussions, demonstrations, laboratory activities, and individual and group projects.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE:	Practical Chemistry	Practical Chemistry
COURSE NO:	(S) 0371	(S) 0373
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	Minimum grade of 'C' in Applied Biology (S)	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: This is an introductory course in chemistry that will minimize the emphasis on mathematics and focus on chemical applications. Topics, including fundamental concepts of matter, energy and change, the organization of matter, the language of chemistry, solution chemistry, and chemical reactions will be discussed in relationship to home, the workplace and the environment. Class work will include lectures, demonstrations, laboratory work, and group activities. Due to content overlap, students enrolled in Practical Chemistry may not take Chemistry.

Academic Expectations from the Mission Statement:

- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE: **Advanced Placement (AP) Biology**
COURSE NO: (H) 0347
OFFERED: Full year
CREDIT: 10 Credits
LEVELS: H
PREREQUISITES: Minimum grade of 'B' in Biology (H) and Chemistry (H), recommendation of the science teachers, and completion of selected readings and practice problems from text.
GRADE: 11-12

DESCRIPTION OF COURSE: The Advanced Placement (AP) Biology course is designed to be the equivalent of a two-semester college introductory course. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of Biology. The emphasis will be on inquiry-based learning and lectures. Students will participate in group discussions, demonstrations, group laboratory work and self directed study. Outside readings and term projects will be assigned. Students are expected to take the AP Biology Exam.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, and communicate.

TITLE: **Advanced Placement (AP) Chemistry**
COURSE NO: (H) 0374
OFFERED: Full Year
CREDIT: 10 Credits
LEVELS: H
PREREQUISITES: Minimum grade of 'B' in Chemistry (H) and Precalculus (H), recommendation of science teacher, and completion of selected readings and practice problems from text.
GRADE: 11-12

DESCRIPTION OF COURSE: This course is designed to provide students with a greater understanding of the principles and concepts of general chemistry through an extensive laboratory program and a variety of problem solving experiences. Descriptive chemistry will be presented in the context of environmental, biological, and societal issues. Students will be expected to research issues and test hypotheses, and to think, observe, and manipulate in a laboratory setting. During the second semester students will select a topic that reflects their individual interests and conduct lab-based research that will link chemistry with other science disciplines. Students are expected to take the AP Chemistry Exam and to exhibit the results of their research.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE:	Physics	Physics
COURSE NO:	(H) 0394	(H) 0397
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	H	H
PREREQUISITES:	Minimum grade of 'C' in Biology (H), Geometry (H) and Algebra II (H) recommendation of mathematics and science teachers.	
GRADE:	11-12	11-12

DESCRIPTION OF COURSE: This is an introductory accelerated course requiring a strong foundation in mathematics. Topics covered will include mechanics, waves, electricity, and optics. Topics covered will be similar to those studied in Physics (CP), but the material will be presented in greater depth and at an accelerated pace. Class work will include lectures, group activities, demonstrations, and laboratory activities. This course is designed to aid students in the further development of their critical thinking and mathematical reasoning skills.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE:	Physics	Physics
COURSE NO:	(CP) 0395	(CP) 0398
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Biology (CP) and Geometry (CP) and recommendation of mathematics and science teachers	
GRADE:	11-12	11-12

DESCRIPTION OF COURSE: This is an introductory course in general physics. Topics covered will include mechanics, waves, electricity, and optics. Class work will include lectures, group activities, demonstrations, and laboratory activities. This course is designed to aid students in the further development of their critical thinking and mathematical reasoning skills.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

TITLE: **Advanced Placement (AP) Environmental Science**
COURSE NO: (H) 0315
OFFERED: 1st Semester
CREDIT: 5 Credits
LEVEL: H
PREREQUISITES: Minimum grade of “B” in Biology (CP) or “C” in Biology (H),
Completion of summer reading assignment, and recommendation of
science teacher
GRADE: 11-12

DESCRIPTION OF COURSE: This course is designed to be the equivalent of a one-semester, introductory college course in Environmental Science. AP Environmental Science will provide students with a better understanding of the relationships of organisms and humans to their environment and assessment of environmental stresses on these relationships. The connections between scientific concerns and environmental policy and decision-making will also be explored. Class work will include lectures, discussions, outdoor field studies, laboratory activities, library research, and oral presentations. All students are encouraged to take the AP Environmental Science exam.

** AP Environmental Science students who are planning on taking the AP exam are strongly encouraged to enroll in “Field Work in Environmental Science” for the spring semester.*

Academic Expectations from the Mission Statement

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, and communicate.

TITLE: **Fieldwork in Environmental Science**
COURSE NO: (H) 0316
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVEL: H
PREREQUISITES: Minimum grade of C- in AP Environmental Science or, if space is
available, minimum grade of B in CP Environmental Studies with
recommendation of Environmental Studies science teacher
GRADE: 11-12

Course Description: This non-traditional science course was designed to give AP Environmental Science students greater exposure to the application of environmental science and the methods of ecological fieldwork with an emphasis on the local environment and local environmental issues. All students will participate in the design and implementation of field studies where original research and data collecting will occur. As part of this course, students will participate in the Massachusetts Envirothon program and will have the opportunity to participate in community service learning. This course will also further prepare students for the AP exam. Because of the independent nature of the curriculum, students must be highly motivated to succeed in this course.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, and communicate effectively.

Civic Expectation from the Mission Statement:

- Display an understanding of the participatory nature, responsibilities and benefits of citizenship and community service in a representative democracy.

TITLE:	Environmental Studies	Environmental Studies
COURSE NO:	(CP) 0383	(CP) 0386
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP	CP
PREREQUISITES:	Minimum grade of 'C' in Biology (CP)	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: This course is designed to introduce students to environmental issues and the methods of scientific survey and research. Content will be organized in the following units: marine ecology, with special emphasis on the Massachusetts shoreline; freshwater ecosystems, focusing on the local watersheds; the atmosphere, which will target global issues and their local consequences; and land use issues, dealing with renewable and nonrenewable resources and loss of biodiversity. Class work will include field studies, with a substantial amount of time outside; group projects; lectures and discussions; role-plays; oral presentations; laboratory investigations; and videos.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, and communicate.

TITLE:	Conservation
COURSE NO:	(S) 0314
OFFERED:	Semester
CREDIT:	5 Credits
LEVELS:	S
PREREQUISITES:	Successful completion of Applied Biology
GRADE:	10-12

DESCRIPTION OF COURSE: This hands-on, project-based course is designed to provide students with an understanding of some of the basic concepts important to conservation. Units covered include the following: Introduction to entomology and pest management, forestry, the value of biodiversity, wildlife management, an introduction to botany, and an introduction to horticulture. Class work will include activities and field studies, with a substantial amount of time spent outside; lectures, presentations, group discussion, and computer based activities.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, and communicate.

TITLE:	Anatomy and Physiology	Anatomy and Physiology
COURSE NO:	(H) 0336 (CP) 0337	(H) 0339 (CP) 0340
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	H and CP	H and CP
PREREQUISITES:	Minimum grade of 'C' in Chemistry (H) for (H), minimum grade of 'C' in Biology (CP) for (CP), recommendation of the science teacher	
GRADE:	11-12	11-12

DESCRIPTION OF COURSE: This course will cover the anatomy and physiology of the major systems of the body in greater detail than is possible in a survey course. Special emphasis will be placed on the chemical physiology of each system. Focus will be on the skeletal, muscular, nervous, digestive, circulatory, respiratory, excretory, immune, endocrine, and reproductive systems. Class work will include lectures, demonstrations, group laboratory work including dissections, and term assignments. Adjustments will be made in expectations and assessment for students electing the course at the (H) level. Please note that because of content overlap, students enrolled in Anatomy and Physiology may not take Biology II.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, and communicate.

TITLE:	Biology II	Biology II
COURSE NO:	(CP) 0355 (S) 0356	(CP) 0358 (S) 0359
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	CP and S	CP and S
PREREQUISITES:	Minimum grade of 'C' in Biology (CP) for (CP) Minimum grade of 'C' in Applied Biology for (S)	
GRADE:	10-12	10-12

DESCRIPTION OF COURSE: This course will review and expand on the basics of biology as presented in the first year biology course. Students will be introduced to topics in microbiology, and study the role of bio-ethics and technology in the field of genetics. Class work will include lectures, demonstrations, laboratory work, outside readings, dissections, and term assignments. Adjustments in expectations and assessment will be made for students electing the course at the (CP) level. Please note that because of content overlap, students enrolled in Biology II may not take Anatomy and Physiology.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, and communicate.

TITLE:	Applications in Science	Applications in Science
COURSE NO:	(S) 0308	(S) 0311
OFFERED:	1 st Semester	2 nd Semester
CREDIT:	5 Credits	5 Credits
LEVELS:	S	S
PREREQUISITES:	None	None
GRADE:	11-12	11-12

DESCRIPTION OF COURSE: This hands-on activity based course is intended for students who wish to continue their study of science with an approach less rigorous than that encountered in chemistry and physics. Emphasis is placed on data collection and analysis using a Vernier Lab Pro with sensors and a laptop computer. In addition to topics in physical science, biology and chemistry, the course will include less traditional topics including physical geography, navigation, transportation, meteorology, weather, and climate. This course will include presentations, projects, field studies, and group discussions.

Academic Expectations from the Mission Statement:

- Assume responsibility for academic achievement.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate the ability to use technology appropriate to the subject area.
- Exhibit the ability to read, write, communicate, and compute.

SPECIAL EDUCATION PROGRAM

The Special Education Department provides services for eligible students with identified learning disabilities (IDEA 04). Services are designed to give the student the best chance to receive the full educational benefit of the high school's various programs.

Prior to referral for an evaluation (IDEA 04), parent(s)/guardian(s), teachers, and guidance staff will make every effort to provide accommodations within the regular education program to meet the student's diverse learning needs. Guidance counselors serve as coordinators and consultants in such efforts, which may include help sessions, peer tutoring, or accommodations to instruction or assessment.

TITLE:	Tutorial
OFFERED:	Semester
CREDIT:	2.5 Credits
PREREQUISITES:	Recommendation of Special Needs Curriculum Supervisor
GRADES:	9-12 (on an Individualized Education Plan)

Tutorial classes are available to students with designated learning problems.

Students are required to earn a specified number of performance points in order to receive credit for the course. The long range goal of the program is to develop independent learners who are knowledgeable about their learning disabilities and compensate for them through the use of study strategies and self-advocacy. Students are expected to bring academic assignments and materials to each tutorial class, and utilize the full period to complete them.

VIRTUAL HIGH SCHOOL/ONLINE COURSES

Virtual schools are educational organizations that offer courses through internet or web-based methods. Virtual schools allow students to take courses not currently offered at Tantasqua Regional High School and, as such, enrich existing curriculum.

Tantasqua Regional School District believes that distance learning through virtual/online courses is an opportunity for student enrichment. The advantage of online learning is that it does not require students to be physically present in the same location as the instructor or other students. Distance learning courses allow Tantasqua's educational program to increase accessibility and flexibility in the delivery of instruction. It is the school committee's intention that distance learning will not replace any courses currently being offered at Tantasqua. In addition to regular classroom-based instruction, students may earn credit through distance learning provided by virtual/online courses. Tantasqua policy limits the total number of credits earned through distance learning courses to 15 per student.

Students and parents can access more information including the course selections via the website: www.govhs.org.

TECHNICAL DIVISION ELECTIVES AVAILABLE TO ACADEMIC DIVISION STUDENTS

The following semester courses are offered to Academic Division students who want to seriously explore entering a particular discipline within the Technical Division. Please pay particular attention to the individual course prerequisites. At the end of the semester if a student would like to continue on in that technical area, he/she may have the option to transfer into the Technical Division. With the integration of the academic and technical divisions, students are able to consider courses from either discipline provided prerequisites are met and space is available.

Allied Health

Introduction to Allied Health offers course work designed to meet the needs of all students who are interested in health careers. The course utilizes both traditional classroom techniques and competency-based instruction to provide students with the knowledge and skills necessary to matriculate to more advanced course work in health care.

TITLE:	Introduction to Allied Health
COURSE NO.:	0611
OFFERED:	Semester
CREDIT:	5 Credits
PREREQUISITES:	None
GRADES:	10

DESCRIPTION OF COURSE: This course is designed to give students an introduction to health care utilizing competency-based instruction and practice. The related course of study for the Fall Semester includes: the health care team, basic anatomy and physiology, common medical conditions and related care, classification of diseases and infection control, ethical and legal issues, communication skills, observation, reporting and documentation, specific skills associated with patient care and medical terminology. During the Spring Semester, the related course of study includes: the health care team, basic anatomy and physiology, common medical conditions and related care, basic human needs, infection control, environmental safety, mental illness, death and dying, specific skills associated with patient care, adult CPR/AED and first aid, and medical terminology.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Introduction to Allied Health
COURSE NO.:	0610
OFFERED:	1 st Semester
CREDIT:	5 Credits
PREREQUISITES:	None
GRADES:	11-12

DESCRIPTION OF COURSE: This course is designed to give students an introduction to health care utilizing competency-based instruction and practice. The related course of study includes: the health care team, basic anatomy and physiology, common medical conditions and related care, classification of diseases and infection control, ethical and legal issues, basic human needs, communication skills, environmental safety, general comfort measures, measuring and recording temperature, pulse and respirations, pediatric and obstetrical care, mental illness, death and dying, nutritional needs, specific skills associated with patient care, and medical terminology.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

CAD/Drafting

TITLE: **Introduction to CAD (Computer Aided Drafting)**
COURSE NO.: 0605
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADES: 10

DESCRIPTION OF COURSE: This introductory course will offer students an opportunity to learn the fundamentals of Computer Aided Drafting (CAD), sketching and manual drafting. Students will learn about different career opportunities associated with drafting and engineering. Critical thinking and problem solving skills will be developed through participation in two team oriented design projects.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Fundamentals of CAD (Computer Aided Drafting)**
COURSE NO.: 0614
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADES: 11-12

DESCRIPTION OF COURSE: This course will introduce students to the basic concepts and procedures of Computer Aided Drafting. The hardware is PC compatible, the software is AutoCAD. The nature of this course requires the use of equipment for "hands-on" training, the material presented is oriented toward the use of a CAD system. This course is ideal for college bound engineering students.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate and compute.

TITLE: **Architectural Drafting and Interior Design**
COURSE NO.: 0625
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADES: 10-12

DESCRIPTION OF COURSE: Residential drawing will be stressed, emphasizing the planning of rooms and areas and their relationship to each other. Students will design and complete house plans including floor plans and elevations. Attention will also be given to interior colors, materials, and furniture styles and arrangement. A model of the house will be constructed. Students will produce additional floor plans and elevations as part of the computer aided drawing (CAD) portion of the program. Past and present American architectural styles, terminology, and details will be covered.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Carpentry

TITLE: **Introduction to Carpentry**
COURSE NO.: 0606
OFFERED: 1st Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADES: 10

DESCRIPTION OF COURSE: Students will be introduced to general house building and cabinet construction while demonstrating the safe and proper techniques of using tools and equipment. Students will be exposed to framing, roofing, siding, and the installation of doors and windows. These aspects of the industry will be performed on a shed or similar size project within our shop environment. All projects are designed to simulate house construction.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate and compute.

Computer Technology

Introduction to Computer Technology offers coursework designed to meet the needs of all students who are interested in IT careers. The course utilizes both traditional classroom techniques and competency-based instruction to provide students with the knowledge and skills necessary to matriculate to more advanced coursework in information technology.

TITLE: Introduction to Computer Technology I
COURSE NO: 0604
COURSE OFFERED: 1st Semester (A Block only)
CREDIT: 5 Credits
PREREQUISITES: None
GRADE: 10

DESCRIPTION OF COURSE: This course is for motivated students who are interested in developing skills and knowledge in computer fundamentals with an emphasis on preparing for the Computing Fundamentals portion of the Internet and Computing Core Certification (IC³). IC³ is the first industry standard, globally accepted, standards-based, validated certification program for basic computing skills. Becoming IC³ certified demonstrates that you possess the knowledge required for basic use of computer hardware, software, and the Internet. Students develop these skills through hands-on projects. Through these projects, students will develop academic skills in problem solving, public speaking, writing, research, and critical thinking, as well as core technology skills. Emphasis will be placed on computer technology basics and IT career exploration. Successful completion of this course will prepare students to take Computer Technology II 2nd semester.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Introduction to Computer Technology Part II
COURSE NO: 0634
COURSE OFFERED: 2nd Semester (D Block only)
CREDIT: 5 Credits
PREREQUISITES: Successful completion of Fundamentals of Computer technology I
GRADE: 11-12

DESCRIPTION OF COURSE: This continuation course is for motivated students who are interested in developing skills and knowledge in key applications (word processing, spreadsheet, presentation software and databases) as well as living online (networks and the internet). Students will learn technical skills and proper use of applications, as well as the impact of computing and the Internet on society. Students develop these skills through hands-on, graphic, and multimedia projects. Through these projects, students will develop academic skills in problem solving, public speaking, writing, research, and critical thinking, as well as core technology skills like desktop publishing, graphics and 2D animation. Emphasis will be placed on the Key Applications and Living Online portions of the IC³ certification.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Fundamentals of Computer Technology I**
COURSE NO: 0603
COURSE OFFERED: 1st Semester (D Block only)
CREDIT: 5 Credits
PREREQUISITES: None
GRADE: 11-12

DESCRIPTION OF COURSE: This course is for motivated students who are interested in developing skills and knowledge in computer technology, business and leadership. Students will learn technical skills in maintaining computer systems and properly using applications, as well as business skills in workplace etiquette, customer service and project management. Students develop these skills through hands-on projects that serve their school community. Through these projects, students will develop academic skills in problem solving, public speaking, writing, research, and critical thinking, as well as core technology skills. Emphasis will be placed on preparation for A+ certification. Successful completion of this course will prepare students to take Computer Technology III 2nd semester.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Fundamentals of Computer Technology II**
COURSE NO: 0635
COURSE OFFERED: 2nd Semester (D Block only)
CREDIT: 5 Credits
PREREQUISITES: Successful completion of Fundamentals of Computer technology I
GRADE: 11-12

DESCRIPTION OF COURSE: This course is a continuation of Fundamentals of Computer Technology Part I. Topics will be expanded on from the previous semester. Students will learn technical skills in refurbishing computer systems and as well as business skills in workplace etiquette, customer service and project management. Students will learn the fundamentals of hardware and software troubleshooting, and advanced software applications. Students develop these skills by taking part in hands-on projects that serve their school community. Through these projects, students develop academic skills in problem solving, public speaking, writing, research and critical thinking. This course is designed to be the introduction to become literate in many facets of information technology including graphics and animation, PC repair and more.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Web Collection Suite – Dreamweaver, Flash, Fireworks
COURSE NO:	0633
COURSE OFFERED:	1 st Semester (B Block only)
CREDIT:	5 Credits
PREREQUISITES:	None
GRADE:	11-12

DESCRIPTION OF COURSE: This course is for motivated students who are interested in developing skills and knowledge in web page development, animation and graphic design. In this course, the student will learn step-by-step instructions and in-depth explanations of the features of the Macromedia Web Collection. Students develop these skills through hands-on projects that serve their school community. Through these projects, students will develop academic skills in problem solving, public speaking, writing, research, and critical thinking, as well as core technology skills.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE:	Adobe Collection - InDesign, PhotoShop, & Illustrator
COURSE NO:	0640
COURSE OFFERED:	2nd Semester (B Block only)
CREDIT:	5 Credits
PREREQUISITES:	None
GRADE:	11-12

DESCRIPTION OF COURSE: This course is for motivated students are interested in developing skills and knowledge in animation and graphic design. In this course, the student will learn step-by-step instructions and explanations of the features of the Adobe InDesign, PhotoShop and Illustrator. If time permits, students will also be introduced to the fundamentals of 3D StudioMax. Students develop these skills through hands-on projects. Through these projects, students will develop academic skills in problem solving, public speaking, writing, research, and critical thinking, as well as core technology skills.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Culinary Arts

TITLE: Introduction to Culinary Arts
COURSE NO: 0602
OFFERED: 1st Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADE: 10

COURSE DESCRIPTION: Students will be involved in learning activities designed to increase the technical skills as well as their communication, problem solving and teamwork abilities. Students will be introduced to the Food Service Industry by learning the basic skills of baking, customer relations, light-fare cooking such as breakfast preparation, grilling, sandwiches, and salads. They will learn how to set up a dining room, wait on customers, take food orders, operate a cash register, portion control, and estimate food cost.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Electrical Technology

TITLE: Introduction to Electrical Technology
COURSE NO: 0607
OFFERED: 1st Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADE: 10

DESCRIPTION OF COURSE: This course will introduce the academic division student to the world of electrical technology. Fifty percent of the course time will be spent in the Electrical Laboratory wiring circuits and devices. Fifty percent of the time will be spent in the classroom learning the basic concepts of electricity, electrical wiring, and drawing electrical diagrams. At least average math skills are needed to succeed in the course. A four function calculator and a dedicated 3 ring binder are required for classroom use. Students deciding to continue in the Electrical Career Pathway must purchase approximately \$300 worth of hand tools during the second semester.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Machine Technology

TITLE: Introduction to Machine Technology
COURSE NO: 0608
OFFERED: 1st Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADES: 10

DESCRIPTION OF COURSE: This course will closely resemble Machine Technology II (course number 964), but with less machine/computer time available. This is a good introduction to Machine Technology if you plan to continue further study in this field.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate and compute.

TITLE: Fundamentals of Machine Technology
COURSE NO: 0626
OFFERED: Semester
CREDIT: 5 Credits
PREREQUISITES: None
GRADES: 11-12

DESCRIPTION OF COURSE: This course will provide the student with opportunities to explore how machines are used in manufacturing, but with much less machine/computer time available. This is a good introduction to machine technology if you plan to consider mechanical engineering as a career pathway.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate and compute.

TECHNICAL DIVISION PROGRAMS

Learning for Life

The Technical Division of the Tantasqua Regional High School is committed to preparing Tantasqua students to meet the needs and demands of the ever-changing technical workplace. It is essential that we provide our students with broad, transferable technical skills, as well as the communication, computation, collaboration, critical thinking, and interpersonal skills necessary for successful lifelong learning, wage earning, and citizenship.

- Prepare students for post graduate experiences that include college, careers, and/or military service.
- Maintain a distinctive, active learning environment which requires student application of knowledge and demonstration of skills.
- Offer a wide range of technical-based programs designed to prepare students for today's challenging world of work, as well as the promising careers of tomorrow.
- Provide learning experiences that are school and community based in order to promote within students a spirit of civic pride and community involvement.
- Secure the community support and involvement necessary to provide current, meaningful, and relevant curriculum offerings.

Is the Technical Division right for your child?

Most students who go to ordinary high schools start on a single career path leading to college. Their studies suit them well for entrance into a four-year college program, a good choice if your child happens to be among the fortunate 23% who will find desired employment. Many are not so fortunate; four years spent in college sometimes leave them poorly prepared for the harsh realities of the modern work place.

Double Your Child's Opportunities

In our Technical Division programs, our students embark on a dual career path. They will study the same rigorous academic subjects as their academic counterparts which will permit entry into college upon graduation. In addition students acquire the practical skills required for almost 80% of positions in today's job market. It is important to understand that technical high school education is not an alternative to academic education - it is additional education that enhances the learning required for success in a chosen career path. The Technical Division provides students with a dual path. Academic and technical curricula are closely aligned. What our students learn in academics can be related to what they study in technical courses - and technical subjects emphasize and support the real-life applications of academics.

The Best Investment You Can Make!

It is easy to see by doubling the career path your child takes in high school, you can increase his/her chances of success in later life. A technical high school education is one of the best investments you can make in your child's future.

Making the Right Choice

Technical education offers students an exciting and different kind of education. The Technical Division is designed to give students a hands-on experience that reflects the job tasks in many career fields. Technical education can provide students with skills and knowledge to make career choices. The Technical Division of Tantasqua Regional High School has seven programs to prepare students for career transition.

Technical Division Courses

The Technical Division of Tantasqua Regional Senior High School provides instruction in seven technical areas: Allied Health, CAD/Drafting, Carpentry, Computer Technology, Culinary Arts, Electrical Technology, and Machine Technology. Technical Division students must enroll in a full complement of academic courses as well as the following technical courses:

Grade 9*	Tech I Applications Tech I Exploration
Grades 10*, 11 & 12	Allied Health CAD/Drafting Carpentry Computer Technology Culinary Arts Electrical Technology Machine Technology

Students having questions about enrolling in Technical Division courses or transferring to the Technical Division should inquire at the Technical Division office.

Articulation Agreements With Post-Secondary Institutions

Efforts to develop articulations between our Technical Programs and Holyoke Community College, Springfield Technical Community College and other post-secondary institutions are ongoing. Articulation agreements already exist between:

Tantasqua Regional High School Culinary Arts Program	and	Holyoke Community College
Tantasqua Regional High School Culinary Arts Program	and	Connecticut Culinary Institute
Tantasqua Regional High School Computer Technology Program	and	New England Institute of Technology
Tantasqua Regional High School Carpentry Program	and	New England Institute of Technology
Tantasqua Regional High School CAD/Drafting	and	New England Institute of Technology

The purpose of an articulation agreement is to eliminate duplication in a career/technical program of study. Articulation agreements enable students to earn college credit while in high school. Courses that qualify for consideration are high school career and technical programs in which students are able to attain the same competencies that they would in the introductory course(s) of related programs offered at community colleges and/or other post-secondary institutions. Prior to the printing of this Program of Studies, efforts were underway to articulate credits with Springfield Technical Community College in the CAD/Drafting and Machine Tool Technology Programs. For more information on how to take advantage of this opportunity to earn college credits, contact Nancy Sawyer, School-to-Counselor at 508-347-3045 ext. 5114 or by email at sawyer@tantasqua.org.

Tech I - Exploratory

Tech I is a comprehensive full year program for Technical Division students designed to define and emphasize the connections among science, engineering, and technology. Through the design process, students learn to develop practical solutions to problems involving the application of the various technologies available in a hands-on environment.

Activities will introduce the five major areas of study as defined in the Massachusetts Curriculum Framework. These include the technologies of Engineering Design, Construction, Energy & Power, Communications, and Manufacturing.

TITLE: **Tech I Applications**
COURSE NO: 0901
OFFERED: 1st Semester
CREDIT: 5 Credits
LEVEL: CP
GRADE: 9

TITLE: **Tech I Applications**
COURSE NO: 0903
OFFERED: 1st Semester
CREDIT: 5 Credits
LEVEL: S
GRADE: 9

DESCRIPTION OF COURSE: This course offers exploratory opportunities that promote career awareness and planning. Through activity-based instruction, students begin to develop employability skills. To acquire these skills, students will have the opportunity to work as members of teams to interpret, analyze, and apply knowledge to solve problems while assuming responsibility for their own work. These experiences provide students a foundation that enables them to make informed decisions about career, technical school, or college opportunities.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Tech I Explorations**
COURSE NO: 0902
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVEL: CP
PREREQUISITES: Successful completion of Tech I Applications 0903
GRADE: 9

TITLE: **Tech I Explorations**
COURSE NO: 0904
OFFERED: 2nd Semester
CREDIT: 5 Credits
LEVEL: S
PREREQUISITES: Successful completion of Tech I Applications 0901
GRADE: 9

DESCRIPTION OF COURSE: This course offers students the opportunity to spend time in the career exploration module lab. These modules are specifically designed so that students working cooperatively in pairs can complete a short course of study (10 to 40 hours) at one workstation and then rotate to the next area. Students will also have an opportunity to spend seven weeks of *trade specific* exploration in all of the shops and labs offered in the technical division.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Allied Health

The Allied Health program offers coursework designed to meet the needs of all students who are interested in health careers. These courses utilize both traditional classroom techniques and competency-based instruction to provide students with the knowledge and skills necessary to matriculate to more advanced coursework in health care. This program prepares students for American Red Cross CPR/AED and first aid certifications and the Massachusetts Department of Public Health nursing assistant and home health aide certifications.

TITLE: **Allied Health II**
COURSE NO: 0923
OFFERED: Full Year
CREDIT: 10 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Tech I Explorations or instructor approval
REQUISITES: Maintain a 'C' average per semester to remain in the program
GRADE: 10

DESCRIPTION OF COURSE: This course is designed to give students an introduction to health care utilizing competency-based instruction and practice. The related course of study includes: the health care team, basic anatomy and physiology, common medical conditions and related care, classification of diseases and infection control, ethical and legal issues, basic human needs, communication skills, observation, reporting and documentation, specific skills associated with

patient care, environmental safety, mental illness, nutritional needs, death and dying, adult CPR/AED and first aid, and medical terminology.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Allied Health III**
COURS NO: 0920
OFFERED: Full Year
CREDIT: 10 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Allied Health II or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 11

DESCRIPTION OF COURSE: This course is designed to give students an introduction to health care utilizing competency-based instruction and practice. The related course of study includes: community health care, basic anatomy and physiology, common medical conditions and related care, care of the elderly and the chronically ill, safety and mobility, re-certification in adult CPR/AED and first aid, general comfort measures, specific skills associated with patient care, medical terminology, and a review of classification of diseases, infection control, ethical and legal issues, communication skills, nutritional needs, mental illness, and death and dying.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Allied Health IV – Clinical**
COURSE NO: 0921
OFFERED: Full Year
CREDIT: 12 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Allied Health III or instructor approval
REQUISITES: Must be taken concurrently with Allied Health IV – Theory
Maintain a "C" average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: This course is designed to give students the opportunity to experience hands-on training in health care settings. Students will participate in three (3) clinical rotations: acute hospital care, long-term care, and an internship or cooperative experience. During these rotations, students will provide direct patient care in medical/surgical and long-term care and will job shadow in a variety of medical departments including: radiology, nuclear medicine, social services, health education, respiratory therapy, physical therapy, occupational therapy, pediatrics, obstetrics, same day surgery, emergency room, central sterilization, laboratory specialties, ultrasound, EKG/stress lab, and CCU/ICU.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Allied Health IV – Theory
COURSE NO: 0922
OFFERED: Full Year
CREDIT: 8 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of ‘C’ in Allied Health III or Instructor approval
REQUISITES: Must be taken concurrently with Allied Health IV – Clinical
Maintain a ‘C’ average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: This course utilizes competency-based instruction and practice. The course of study includes: care of the surgical patient, pediatrics, obstetrics, home health care, rehabilitation and restorative care, employment opportunities and career growth, anatomy and physiology, common disorders and related care, certification in adult/infant/child CPR/AED and first aid, specific skills associated with health care, journal writings based on clinical experiences, cultural sensitivity, review for state certification examinations, and medical terminology. Upon completion of the program, students may be eligible to test for nursing assistant and home health aide certifications with the Massachusetts Department of Public Health.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Carpentry

TITLE: Carpentry Construction II
COURSE NO: 0934
OFFERED: Full Year
CREDIT: 7 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of ‘C’ in Tech I Explorations or instructor approval
REQUISITE: Maintain a “C” average per semester to remain in the program
GRADE: 10

DESCRIPTION OF COURSE: Students will be introduced to general house building and cabinet construction while demonstrating the safe and proper techniques of using tools and equipment. Students will be exposed to framing, roofing, siding, and the installation of doors and windows. These aspects of the industry will be explored through work on a shed or similar size project within our shop environment. All projects are designed to simulate house construction. Students will be required to build a cabinet with a drawer and raised panel doors from a detailed set of plans.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibits ability to read, write, communicate, and compute.

TITLE: Carpentry Construction Related II
COURSE NO: 0935
OFFERED: Full Year
CREDIT: 3 Credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Carpentry Construction II
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 10

DESCRIPTION OF COURSE: Students will be exposed to trade terminology and the mathematical principles used in residential carpentry. Students will be required to study general shop safety rules and demonstrate the comprehension of hand tool, power tool, and equipment safety procedures. All related information will be reinforced through application in the shop environment. Students will be referencing the Modern Carpentry Textbook and will be required to complete exercises in the workbook.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibits ability to read, write, communicate, and compute.

TITLE: Carpentry Construction III
COURSE NO: 0930
OFFERED: Full Year
CREDIT: 15 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Carpentry Construction II
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 11

DESCRIPTION OF COURSE: Students will enhance their skills obtained in Construction II. All areas of house building will be covered in greater detail. Students will build various wood frame structures by laying out, cutting, fitting, and joining components using hand and power tools. Students will be involved in building projects for members of the community.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibits ability to read, write, communicate, and compute.

TITLE: **Carpentry Related III**
COURSE NO: 0931
OFFERED: Full Year
CREDIT: 5 Credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Carpentry Construction III or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 11

DESCRIPTION OF COURSE: Students will review basic woodworking and carpentry techniques along with the safe use of tools and equipment. They will enhance their learning experience by covering in more detail the layout and covering of walls, floors, ceilings, and roofs, as well as the various materials used in modern construction techniques. Blueprint reading and drafting will also be covered.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibits ability to read, write, communicate, and compute.

TITLE: **Carpentry Construction IV**
COURSE NO: 0932
OFFERED: Full Year
CREDIT: 25 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Carpentry Construction III or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: Students will continue their training in the carpentry trade by constructing a house or several similar smaller projects in the Tantasqua communities. Students will receive practical, on site experience in all aspects of house construction.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibits ability to read, write, communicate, and compute.

TITLE: **Carpentry Related IV**
COURSE NO: 0933
OFFERED: Full Year
CREDIT: 5 Credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Carpentry Construction IV
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURE: Students will review carpentry methods and techniques along with the safe use of tools and equipment covered in the eleventh grade. Students will be able to utilize their acquired knowledge and skills to construct dormers, hip and valley roofs, stair layouts, and basic cabinets. Students will design a house of their choosing, utilizing the federal, state, and local building codes. They will also estimate material and labor costs.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibits ability to read, write, communicate, and compute.

Computer Technology

The computer technology program offers coursework designed to meet the needs of all students who are interested in IT careers. These courses utilize both traditional classroom techniques and competency-based instruction to provide students with the knowledge and skills necessary to matriculate to more advanced coursework in information technology. This program prepares students for certification in IC³, Adobe Certified Associate and CompTIA's A+ PC Technician.

TITLE: **Computer Technology II**
COURSE NO: 0982
OFFERED: Full Year
CREDIT: 10 Credits
LEVELS: CP
PREREQUISITE: Minimum grade of 'C' in Tech I Explorations or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program or instructor approval
GRADE: 10

DESCRIPTION OF COURSE (1st Semester): This course is for motivated students who are interested in developing skills and knowledge in computer fundamentals with an emphasis on preparing for the Computing Fundamentals portion of the Internet and Computing Core Certification (IC³). IC³ is the first industry standard, globally accepted, standards-based, validated certification program for basic computing skills. Becoming IC³ certified demonstrates possession of the knowledge required for basic use of computer hardware, software, and the Internet. Students develop these skills through hands-on, graphic and multimedia projects. Through these projects, students will develop academic skills in problem solving, public speaking, writing, research, and critical thinking, as well as core technology skills like desktop publishing, graphics and 2D animation. Emphasis will be placed on computer technology basics and IT career exploration including the graphics and animation field.

DESCRIPTION OF COURSE (2nd Semester): This course is for motivated students who are interested in developing skills and knowledge in key applications (word processing, spreadsheet, presentation software and databases) as well as living online (networks and the internet). Students will learn technical skills and proper use of applications, as well as the impact of computing and the Internet on society. Students develop these skills through hands-on, graphic, and multimedia projects. Through these projects, students will develop academic skills in problem solving, public speaking, writing, research, and critical thinking, as well as core technology skills like desktop publishing, graphics and 2D animation. Emphasis will be placed on the Key Applications and Living Online portions of the IC³ certification. Successful

completion of this course will prepare students to take Computer Technology III in their junior year.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Computer Technology III**
COURSE NO: 0980
OFFERED: Full Year
CREDIT: 10 Credits
LEVELS: CP
PREREQUISITE: Minimum grade of 'C' in Computer Tech II or instructor approval, concurrently enrolled in Introduction to Computer with Programming
REQUISITE: Maintain a 'C' average per semester to remain in the program or instructor approval
GRADE: 11

DESCRIPTION OF COURSE: This course is for motivated students who are interested in furthering their skills in computer technology, desktop publishing, business, and leadership. Students will learn technical skills in desktop publishing, graphic applications, refurbishing computer systems, as well as business skills in workplace etiquette, customer service and project management. Students will learn the fundamentals of desktop publishing and graphic manipulation, hardware and software troubleshooting, and advanced software applications. Students develop these skills by taking part in hands-on projects that serve their school community. Through these projects, students develop academic skills in problem solving, public speaking, writing, research and critical thinking. This course is designed to be the introduction to become literate in many facets of information technology including graphics and animation, PC repair and more. Successful completion of this course will prepare students to take Computer Technology IV in their senior year.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Computer Technology IV**
COURSE NO: 0981
OFFERED: Full Year
CREDIT: 20 credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Computer Technology III or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: Students will expand upon their knowledge and experience gained from Computer Technology III. Advanced topics on troubleshooting and maintaining the personal computer, its related equipment, networking, and help desk/command center will be

taught. In addition, students will train in Adobe's Web Collection Suite (Dreamweaver, Flash & Fireworks), Adobe Design Collection (PhotoShop & Illustrator) and 3D StudioMax. A self-paced, independent senior project is required, in which students will utilize skills acquired from being in the program. Opportunities to gain on and off-site hands on experience exist for students who meet specific requirements. Emphasis will be placed on graphic design, animation, customer service, project management and networking.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Culinary Arts

TITLE: Culinary Arts II
COURSE NO: 0915
OFFERED: Full Year
CREDIT: 7 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Tech I Explorations or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 10

DESCRIPTION OF COURSE: Culinary Arts II is a full year course designed to allow Technical Division sophomore students the opportunity to explore the technologies involved in Tantasqua's Culinary Arts Program. Students will be involved in learning activities designed to increase technical skills as well as communication, problem solving and teamwork abilities. Four individual courses constitute the Culinary Arts II sequence. Culinary Arts students will be introduced to the Food Service Industry by learning the basic skills of baking, customer relations, light-fare cooking such as breakfast preparation, grilling, sandwiches, and salads. They will learn how to set up a dining room, wait on customers, take food orders, operate a cash register, portion control and estimate food cost.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Culinary Arts Related II
COURSE NO: 0916
OFFERED: Full Year
CREDIT: 3 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Culinary Arts II
Maintain a 'C' average per semester to remain in the program
GRADE: 10

DESCRIPTION OF COURSE: Students will enhance their learning by exploring and studying the Food Service Industry through Culinary Arts textbooks and lectures from the instructor, and

will learn methods of baking, quality control, basic culinary math, weights and measure, sanitation and safety, customer service and communication skills.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Culinary Arts III
COURSE NO: 0911
OFFERED: Full Year
CREDIT: 15 credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Culinary Arts II or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 11

DESCRIPTION OF COURSE: Students will learn techniques of professional baking and share in the excitement of preparing pastries, desserts, and a variety of breads. Students will also learn the preparation of short order food, soups and sauces. Students will wait on customers and take food orders. Upon completion of the 11th grade, students will have the capability to be employed at a professional baking facility.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate, and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject areas.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Culinary Arts Related III
COURSE NO: 0912
OFFERED: Full Year
CREDIT: 5 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Culinary Arts III
Minimum grade of 'C' in Culinary Arts II
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 11

DESCRIPTION OF COURSE: Students will learn methods of professional baking, quality control, basic culinary math, weights and measures, sanitation and safety, food production, customer service, and communication skills. Students will enhance their learning by exploring and studying the Food Service Industry and Entrepreneurship opportunities.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Culinary Arts IV
COURSE NO: 0913
OFFERED: Full Year
CREDIT: 25 credits
LEVELS: CP
PREREQUISITES: Minimum Grade of 'C' in Culinary Arts III or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: This course gives a great opportunity to students for hands-on experience in the restaurant and food service business field. This course will prepare the students with the ability and skills to operate a restaurant kitchen, with training in food ordering, food handling, menu planning, food preparation and customer service. Emphasis will be placed on developing interpersonal skills. Students will also have the opportunity to enhance their skills by working in a local area food service establishment.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Culinary Arts Related IV
COURSE NO: 0914
OFFERED: Full Year
CREDIT: 5 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Culinary Arts IV
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: Students will review culinary arts methods and techniques along with sanitation and safety in tools and equipment operation covered in the eleventh grade. Students will expand their knowledge in the culinary arts field by learning how to operate a restaurant kitchen and dining room. Students will enhance their learning in more detail by exploring and studying the Food Service Industry and Entrepreneurship opportunities.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

CAD/Drafting

TITLE: CAD/Drafting II
COURSE NO.: (CP) 0942 (H) 0944
OFFERED: All year
CREDIT: 10 credits
LEVELS: CP and H
PREREQUISITES: Minimum grade of 'C' in Tech I Explorations or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 10

DESCRIPTION OF COURSE: This course will teach students the fundamentals of Computer Aided Drafting (CAD), sketching and manual drafting. Students will learn about different career opportunities associated with drafting and engineering. Critical thinking and problem solving skills will be developed through participation in two team oriented design projects.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: CAD/Drafting III
COURSE NO: (CP) 0940 (H) 0945
OFFERED: Full Year
CREDIT: 20 credits
LEVELS: CP and H
PREREQUISITES: Minimum grade of 'C' in CAD/Drafting II or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 11

DESCRIPTION OF COURSE: This course will introduce students to dimensioning, oblique views, basic tolerancing, precision measuring tools, use of reference materials, layouts, and working drawings. Students will learn CAD, fundamentals using IBM compatible hardware with Auto CAD software. Also included are two design projects, field trips, industry speakers and the possibility of internships.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: CAD/Drafting IV
COURSE NO: (CP) 0941 (H) 0946
OFFERED: Full Year
CREDIT: 20 credits
LEVEL: CP and H
PREREQUISITES: Minimum grade of 'C' in CAD/Drafting III or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: This course will focus on advanced Mechanical, Architectural or Civil Drafting. Students will learn how to make working drawings and think critically. Geometric tolerances, basic architectural or civil drafting will be introduced. Students will study the drafter's role in the design process and participate in exciting projects as working supervisors. Communication and project management will be highlighted. Contact with school administration, local officials, material suppliers, and/or private citizens will aid the senior drafters in the successful completion of their projects. CAD will be an important component of most projects.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Electrical Technology

The Electrical Department is comprised of both laboratory hands on work and classroom work related to electrical theory, design, and calculations. Students will typically work in teams as well as on their own discovering solutions to problems and situations while applying their acquired skills. While participating in these activities, students are expected to attain broad transferable and technical skills as well as the communication, computation, collaboration, critical thinking and interpersonal skills needed for life long learning, wage earning and citizenship. The courses are:

TITLE:	Electrical Applications II
COURSE NO:	0955
OFFERED:	Full Year
CREDIT:	6 credits
LEVELS:	CP
PREREQUISITES:	Minimum grade of 'C' in Tech I Explorations or instructor approval
REQUISITE:	Maintain a 'C' average per semester to remain in the program
GRADE:	10

DESCRIPTION OF COURSE: This shop-based, hands-on course teaches competencies in basic wiring, covering switching, lighting, and power circuits. Students are required to purchase approximately \$300 worth of hand tools* during the 1st semester.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

* Students are required to have specific tools for their vocational program. In the event that a student cannot afford the tools that are required for their program tools will be provided as described in the Student/Parent/Guardian Handbook.

TITLE: Electrical Technology and Systems Design II
COURSE NO: 0956
OFFERED: Full Year
CREDIT: 4 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Electrical Applications II
Maintain a 'C' average per semester to remain in the program
GRADE: 10

DESCRIPTION OF COURSE: This classroom based course provides students with basic electrical theory and design principles as applied to the electrical industry, providing students with a solid foundation in the electrical sciences. The course is intended for students who wish to enter any area of the electrical industry.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Electrical Applications III
COURSE NO: 0950
OFFERED: Full Year
CREDIT: 12 credits
LEVELS: CP
PREREQUISITES Minimum grade of 'C' in Electrical Applications II or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 11

DESCRIPTION OF COURSE: Electrical Applications III is a continuation of Electrical Application II. In this course students will wire a house, bend conduits, and apply more complicated circuits to their projects. Power, heat and lighting projects provide students with a well rounded electrical background.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Electrical Technology and System Design III
COURSE NO: 0951
OFFERED: Full Year
CREDIT: 8 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Electrical Applications III
Maintain a 'C' average per semester to remain in the program or instructor approval
GRADE: 11

DESCRIPTION OF COURSE: A continuation of Electrical Technology and Systems Design II, this course provides a solid understanding of residential wiring and basic competencies of commercial design and wiring methods.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Electrical Applications IV**
COURSE NO: 0952
OFFERED: Full Year
CREDIT: 20 credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Electrical Applications III or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: This “hands-on” course is intended to provide students with practical applications in various areas of the electrical industry. It is meant to serve those students who will be entering the world of work, as well as those seeking real world experiences before continuing their educational pursuits in related engineering disciplines. Students will be involved in laboratory activities and off-campus electrical projects.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Electrical Technology and System Design IV**
COURSE NO.: 0953
OFFERED: Full Year
CREDIT: 2 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Electrical Applications IV
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: A continuation of Electrical Technology and System Design III, this classroom based course provides students with the theoretical and design knowledge needed to succeed in the practical environment of the Electrical Applications IV course. Heavy emphasis on the Massachusetts Electrical Code prepares the student to take the Journeyman Electrician's license examination.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Electric Motors and Motor Controls IV
COURSE NO: 0954
OFFERED: Full Year
CREDIT: 8 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Electrical Applications IV
Maintain a 'C' average per semester to remain in the program

DESCRIPTION OF COURSE: This course covers the motors and controls encountered by an electrician and/or technician in a typical commercial or industrial work setting. The majority of the course time will be spent in the Motor and Controls Laboratory applying knowledge in a practical environment using real world motors and controls. This course utilizes both traditional and computer based control equipment.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

Machine Technology

TITLE: Machine Technology Systems II
COURSE NO: 0964
OFFERED: All year
CREDITS: 7 credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Tech I Explorations or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 10

DESCRIPTION OF COURSE: This course will introduce basic techniques of drilling, turning, milling, and grinding machines. Simple projects that reinforce basic machine safety and operation will be the focus. Computerized machine operations or CAD/CAM will also be introduced. Most of our machines are interfaced with computer technology. This course will lay a strong foundation for career growth in the manufacturing industry or a related field.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Machine Technology Related Science II
COURSE NO: 0965
OFFERED: Full Year
CREDITS: 3 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Machine Technology Systems II. Strong math and reading comprehension skills will make this course easier for students enrolled.
REQUISITE: Maintain a 'C' average per semester to remain in the program or instructor approval
GRADE: 10

DESCRIPTION OF COURSE: This course will introduce precision measurement, basic blueprint interpretation and shop science. Most of the course content is designed to support operations on the machine tools in shop. CAD/CAM technology will help bridge class work to shop environment.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Machine Technology Systems III
COURSE NO: 0960
OFFERED: Full Year
CREDITS: 15 Credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Machine Technology Systems II or Instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program or instructor approval
GRADE: 11

DESCRIPTION OF COURSE: Students enrolled in this course will learn precision measuring techniques and quality control practices. Safety precautions and proper use of equipment typical to many manufacturing industries will be studied. Ferrous and nonferrous material removal operations will be stressed. Students will become familiar with blueprint reading practices and computer applications specific to local manufacturing industries. Skills will be introduced and practiced through the completion of projects. Projects can be single or production manufactured items, written reports, or professional presentations. Students will experience and gain an understanding of general industrial manufacturing environments. This occupational knowledge will include planning, technical and production skills, underlying principles of technology, labor issues, and safety practices.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Machine Technology Related Science III
COURSE NO: 0961
OFFERED: Full Year
CREDIT: 5 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Machine Technology Systems III
REQUISITE: Maintain a 'C' average per semester to remain in the program or instructor approval
GRADE: 11

DESCRIPTION OF COURSE: Students will learn methods of quality control, care, use, and setup of many precision measuring tools. Planning and layout of machined parts and operations will be studied. Students will become familiar with basic to intermediate blueprint reading skills, the mathematics and theory of machining, tapers, threads and gears, and many underlying principles of manufacturing. Students will experience and gain an understanding of the manufacturing industry. This occupational knowledge will include planning, finance, management, technical and production skills, and underlying principles of technology, labor issues, and health and safety practices. A strong background in math and reading comprehension make this course easier for students.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: Machine Technology Systems IV
COURSE NO: 0962
OFFERED: Full Year
CREDIT: 15 credits
LEVELS: CP
PREREQUISITES: Minimum grade of 'C' in Machine Technology Systems III or instructor approval
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: Students will continue to develop their knowledge and skills learned the previous year. Projects will be more involved and include heat treatment, metallurgy, surface finishes, and abrasive grain technologies. Job cost estimating and CAD/CAM technology will be stressed throughout the course. Students will experience occupational knowledge in job planning, safety, production skills, and underlying principles of technology. There will be opportunities for co-op employment and/or industrial visitations to round out the students' experience.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

TITLE: **Machine Technology Related Science IV**
COURSE NO: 0963
OFFERED: Full Year
CREDIT: 5 credits
LEVELS: CP
REQUISITES: Must be taken concurrently with Machine Technology Systems IV
REQUISITE: Maintain a 'C' average per semester to remain in the program
GRADE: 12

DESCRIPTION OF COURSE: Students will learn the science behind finish grinding, the theory of electrical discharge machining, jig boring and fixture making procedures, use of the sine bar and applied trigonometry. Blueprint interpretation, computer integrated manufacturing, and locating/using informational resources will be studied in great detail. This occupational knowledge will include job planning, shop management, underlying principles of technology, labor issues, and safety practices. Strong math and reading comprehension are recommended.

Academic Expectations from the Mission Statement:

- Select educational pathways consistent with interests, abilities, and goals.
- Acquire, interpret, analyze, integrate and apply information in a discerning manner.
- Demonstrate ability to use technology appropriate to subject area.
- Exhibit ability to read, write, communicate, and compute.

COOPERATIVE EDUCATION

TITLE: **Cooperative Education**
OFFERED: Semester
CREDITS: Embedded in program course
PREREQUISITES: As indicated below
GRADE: 12

REQUIREMENTS FOR STUDENT PARTICIPATION

Description of the Cooperative Education Program

The Cooperative Education Program is a continuation of the technical program that provides qualified students with an occupational employment opportunity in a professional setting. The program experience must be directly related to the career in which the student has been trained and cooperating employers agree to provide additional training as specified by the school and that meets the Massachusetts Vocational Technical Education Frameworks. The employer assesses student performance, provides a written evaluation to the school on a regular basis. All students enrolled in the Cooperative Education Program must be paid at or above the prevailing minimum wage.

Grades, Attendance, Performance Requirements

Student eligibility criteria are a very important part of cooperative education. Students must be encouraged to work hard to become eligible to participate. The criteria used must be checked for the period prior to cooperative education commencing and maintained during the cooperative education program.

The following is a list of factors considered in the assessment of student eligibility:

- possession of a career plan
- minimum age of 16 years old
- shop/related technical and academic grade minimum should be no less than a cumulative 2.0 G.P.A. to date
- no failing grades in the preceding marking period
- has completed or is scheduled to complete all graduation requirements
- possession of an OSHA 10-hour training certificate (for applicable technical program)
- no more than five (5) days absent in a semester without an acceptable excuse
- competency attainment (only those students who are enrolled in an approved technical education program and who have demonstrated those academic, technical, and employability competencies associated with at least one and one half years of full time study in the technical cooperative education program area
- enrollment should occur no earlier than midway through the junior year
- teacher recommendation/approval (shop/related/academic)*
- administrative recommendation/approval to ensure good discipline/conduct and attendance*
- has no major disciplinary infractions
- guidance counselor recommendation/approval*
- parent/guardian approval

***Recommendation/Approval:** The student candidate must have the recommendation/approval of their individual technical and academic teachers before they may apply for cooperative education to ensure the minimum grades are being met. The guidance counselor, dean of students or principal must recommend the student regarding conduct/discipline and attendance. In addition, the student's possession of a career plan and career portfolio should be verified by the guidance counselor and/or principal as well as the cooperative education coordinator.

If a student receives a failing grade on a progress report or report card in any subject during his/her cooperative education experience, a written warning will be issued. If the student does not achieve a passing grade on the next progress report or report card, his/her cooperative education experience will be terminated immediately.

Application and Selection Process

Every student who wishes to participate in cooperative education must complete an application. The application must include the student's biographical information, as well as prospective employer information. The form should be circulated to all teachers (technical and academic) to ensure that eligibility requirements are being met. The guidance counselor and/or principal must also sign the application.