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*A Message from the Principal*

Dear Parents/Guardians and Students:

On behalf of the faculty and administration of Burrillville High School, it is a distinct pleasure to present you with the Burrillville High School 2008-2009 Program of Studies. Please be especially aware that contained within this booklet is a comprehensive listing of not only the course offerings for the next school year, but also a wealth of information that relates both to local school standards and the Proficiency Based Graduation Requirements that have been established and mandated by the Rhode Island Department of Education. Collectively, this information is intended to provide students and parents/guardians with basic information both for selecting courses and building a well thought out and individualized academic plan. It is, of course, essential that this plan and student course selections ensure meeting local graduation standards while best preparing each student for post-secondary educational pursuits. Therefore, required are both your diligent attention to what is contained herein, and student-parent/guardian dialogue on all related topics.

In addition, please be aware that we stand ready to assist you both in interpreting information contained in our Program of Studies and most especially, responding to questions that you may have in association with the newly established statewide proficiency standards. As you may be aware, these statewide standards are now in effect. Consequently, it is incumbent upon all to become thoroughly familiar both with them and the varied activities that students must engage in to ensure meeting these standards.

Moreover, I can not say enough to encourage all parents/guardians to become involved in your son's/daughter's high school education. There is a multitude of research that endorses the fact that supportive parenting, especially at the high school level, is directly correlated with student success. Please take time, therefore, to discuss the components of our Program of Studies with your child. They will appreciate it, and rest assured that this small time investment will increase your child's success potential and also likely result in substantial personal dividends.

Finally, let me wish you the very best, and tell you that I look forward to greeting you at future school events.

Sincerely,

Robert Boule, Principal

## **Graduation Requirements**

Graduation from Burrillville High School will require successful completion of 22 or more credits.

Beginning with the Class of 2008, students must also demonstrate proficiency against The Student Expectations. Evidence of proficiency is held in the student's Digital Portfolio.

All students must schedule a minimum of five full credits each semester (*BSD Policy: P3510a*) as well as physical education (1/2 credit). A student who has only 5 and 1/2 credits cannot drop a class. To remain on track for graduation, a student must schedule at least 5 and 1/2 credits per year in order to meet the graduation requirement of 22 credits.

These credits must include the following to graduate:

four (4) half credits in **physical education/health**

four (4) credits in **English**

four (4) credits in **mathematics** (one may be math related)\*

three (3) credits in **science**

three (3) credits in **social studies\*\***

all grade 9 students must pass a 1/4 credit course in Digital Portfolio Preparation. (*BSD Policy:P3510b*)

\* Math related courses may include Physics, Chemistry, Biotechnology, Woodworking, CADI or CAD II. Please check with your Guidance Counselor. *Physics and/or Chemistry neither of which alone can count as a dual math and science requirement.*

\*\*The three social studies credit requirements are:

World History Survey

**or**

World History Advanced

U.S. History I

AP US History

U.S. History II

AP European History

These courses should be taken in sequence.

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**Promotion Requirements**

Students will be promoted to the next grade level by earning the minimum credit requirements listed below.

**Sophomore:**

4.5 credits, including core courses and physical education in order to be considered a sophomore

**Junior:**

10.5 credits, including core courses and physical education in order to be considered a junior

**Senior:**

15.5 credits, including core courses and physical education in order to be considered a senior

***Important Reminders:***

1. Although not required for graduation, most four year colleges require a program of foreign language that meets or exceeds the minimal requirement of two consecutive years of the same language. Many competitive colleges expect three years, while most competitive colleges and universities require four years.
2. Consult your counselor regarding entrance requirements for the college, university, or technical school of your choice.
3. Advanced Placement (AP), Early Enrollment Program (EEP), and the URI writing courses, all give college credit upon the successful completion of the course/test. There is a cost involved in all cases. A grade of 82 or better may be required by some colleges for EEP and Early College Writing college credit. A score of 3 or better may be required by colleges in order to obtain Advanced Placement credit. College credits or the AP test must be paid by November 1st in order to receive the correct credit weight.

***Expectations***  
***for***  
***Student Learning***  
**Mission Statement**

The mission of Burrillville High School is to engage in an education partnership in a safe, nurturing, and challenging environment. This partnership among students, families, and community will extend the borders of learning beyond rural neighborhoods and the school to the global village. Our enterprise will help students, as individuals striving for excellence, to acquire and apply knowledge, to develop skills, and to attain multiple literacies. Increases in knowledge, skills, and literacy will lead to gains in academic performance, to identification of and preparation for career paths, and to significant action in service to the community. Beyond measure, our mission is to help students develop habits of mind and heart that enlighten and inspire their journey from learning to make a living, to learning to make a life.

***All Students in the Classes of 2008 and beyond must complete the following Course Requirements***

<i>English</i> .....	4
<i>Mathematics</i> .....	*4
<i>Social Studies</i> .....	3
<i>Science</i> .....	3
<i>Physical Education/Health</i> .....	2
<i>Electives</i> .....	5.75
<i>Digital Portfolio</i> .....	25
<i>Minimum Credits</i> .....	22

\* *Fourth credit must be a math related course (see page 3)*

### Scholastic Information for Students

The course selection process for students at Burrillville High School is intended to promote their academic growth. Students are not assigned courses but rather elect their particular set of courses starting in January for the next school year. In planning their program each year, students should consider their post-high school plans. The selection of program in high school will affect school and college admissions as well as job opportunities later available to them.

### Course Registration Final Selection *(Important - Please Read Carefully)*

All courses listed on the Course Registration Form **must be final selections for the academic year 2007-2008**. To provide the best master schedule possible, **the student is encouraged to choose his/her courses wisely.**

The signature of the parent/guardian on the Course Registration Form signifies approval and indicates that all courses have been selected with care by the student after consulting with his/her parent/guardian. **If a student does not submit a Course Registration Form signed by a parent on or before the designated deadline, the student forfeits his/her opportunity to choose specific classes for the following year.** The Guidance Counselor will make the best selection of courses that he/she can make without having received the proper input.

**Parents and students may change a course within the first two weeks of school only. Changes after the first two weeks will be made rarely, and only by the administrator and teacher.**

**The administration reserves the right to cancel a course because of low enrollment, the unavailability of staff, and/or budget constraints.**

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**Recommendations from Your Guidance Counselor  
for College/Career Planning**

It is important to understand the following key points as you self-select your high school courses.

1. There is a college for every student who wants to go. However, cost is always a factor. Our local four year state colleges/universities are now accepting students who are in at least the top 40% of their class.
2. The four year colleges are looking for college level courses, which are designated courses with a level of Standard or Advanced or better, in academic areas like math, science, social studies and English.
3. Most four year colleges require the SAT. Students who take the PSAT and/or multiple SAT tests, score about 40 points higher at their second sitting.
4. Match your electives to potential career areas or majors. You will be better positioned when applying to college.
5. Most scholarships now require evidence of *leadership and community service*. In the past, our students have been awarded over a quarter of a million dollars of scholarships. Plan to have what you need to be competitive by aspiring to leadership positions and volunteering in the school or community.
6. The Community College of Rhode Island has open enrollment with no SAT or course requirements. However, students may be required to take high school equivalent courses for no credit if key academics were not taken in high school or if scores on placement tests are low.
7. The College Planning Center was created and is financially supported so that students and families have free assistance in any phase of the college planning process. There is a branch office in the Warwick Mall (736-3170) and we have representatives that come to our school. They have a wonderful website ([www.collegeplanningcenter.org](http://www.collegeplanningcenter.org)).
8. Take the Guidance Group Sessions seriously and carefully plan for your future by accurately selecting courses during high school. Use the Graduation Requirement checklist to map out the requirements for graduation. Use Choices to map out the requirements for your post secondary plans.

**Graduation Requirements - Checklist**

English 9	Math 1	Science 1
English 10	Math 2	Science 2
English 11	Math 3	Science 3
English 12	Math 4	

World History Survey	Digital Portfolio
U.S. History I	PE/Health
U.S. History II	

Electives:

1 _____	2 _____
3 _____	4 _____
5 _____	6 _____

Total \_\_\_\_ 22 Credits within specified academic area.

In addition, all students must meet the proficiency based graduation requirements in accordance with the state approved diploma system at Burrillville High School.

**NCAA Academic Eligibility Requirements**

In order to be classified as a qualifier, a student is required to:

- Satisfy high school graduation requirements.
- Successfully complete a core curriculum of at least 13 **college level** academic courses in the appropriate core areas which are listed below:

High School Core Courses at the college preparatory level:

- At least 3 years of English
  - At least 2 years of math (at the level of Algebra I or above)
  - At least 2 years of natural or physical science (including 1 lab science)
  - At least 2 years of additional courses in English, math or natural or physical science
  - At least 2 years of social science, and
  - 2 additional academic courses in any of the above areas, or foreign language, computer science, philosophy or non-doctrinal religion
- Present a core course grade-point average and ACT or SAT Test Score as described below:

Note: Score requirement varies according to the student's GPA as shown below:

<b>Core GPA</b>	<b>ACT(sum or scores)SAT</b>	
2.500 & above	68	820
2.475	69	830
2.450	70	840-850
2.425	70	860
2.400	71	860
2.375	72	870
2.350	73	880
2.325	74	890
2.300	75	900
2.275	76	910
2.250	77	920
2.225	78	930
<b>Core GPA</b>	<b>ACT(sum or scores)SAT</b>	
2.200	79	940
2.175	80	950

Program of Studies

Scholastic Information

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2.150	80	960
2.125	81	960
2.100	82	970
2.075	83	980
2.050	84	990
2.025	85	1000
2.000	86	1010

**THE BURRILLVILLE ACADEMY**

**Pride      Commitment      Success**

**Biotechnology Program**

This is a rigorous, college preparatory program for academically talented, technically oriented students who plan to pursue further education and careers in the Bio related fields upon graduation from high school. The focus of the technical component will be in Biotechnology. The curriculum provides opportunities for the development of advanced Biotechnology skills and concepts; it also encourages the development of independent research skills by providing opportunities for immediate application of newly learned knowledge to specialized projects.

Students enter this program as 10th graders and may do so after successfully completing a mathematics and English competency exam. Applicants must also have maintained a B average in their previous schoolwork.

Sophomore Year - Advanced Level/College Preparatory

Academics:

English [Standard or Advanced Level]

Mathematics II (Geometry or Algebra II) [Standard or Advanced Level]

Chemistry I [Standard or Advanced Level]

Social Sciences [Standard or Advanced Level]

Foreign Language

Physical Education

Biotechnology:

Areas of study will include: Setting the stage The history of Biotechnology, Unity within diversity, The Patterns of Life, The Chemistry of Life, Ethics and Issues, Biotechnology Laboratory Techniques and Safety, Cellular Biology, Waste Management using Microorganisms and Total Quality Management Fundamentals. Based on URI course BCH 190 The Way We Work With Life: Issues in Biotechnology

Junior Year - Honors Level/College Preparatory

Academics:

English [Standard or Advanced Level]

Mathematics III (Trigonometry-Pre-Calculus or Algebra II) [Standard or Advanced Level]

Physics I [Standard or Advanced Level]

Social Sciences [Standard or Advanced Level]

Foreign Language

Physical Education

Biotechnology: Biotechnology Areas of study will include: Forensic Science, Introduction to Forensics, The Nature of Science, Lab Skills and Techniques for Forensics, DNA, Toxicology, Agriculture/Plant Genetics Biotechnology, Safety (continued), Good Manufacturing Practices (GMP), Cell Culture and Protein Purification Techniques, Introduction to Computer Fundamentals with Statistics, Medicine and Society TQM (continued), Statistical Process Control (SPC), Instrumentation and Laboratory Techniques.

12th Grade recommended course of studies

Academics:

English [Standard or Advanced Level]

Mathematics III (Trigonometry-Pre-Calculus or Algebra II) [Standard or Advanced Level]

Physics I [Standard or Advanced Level]

Social Sciences [Standard or Advanced Level]

Foreign Language

Physical Education

Biotechnology: Biotechnology areas of study will include: Marine Biotechnology, Pharmaceutical Biotechnology, Safety (continued), Regulatory Affairs, GMP (continued), TQM (continued), Field Testing and Regulation, Instrumentation and Laboratory Techniques, Internship/Industry Experience - Cooperative internship position (if applicable) with a local company.

## **Academy**

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### **Philosophy:**

The belief that all students can learn is the basic philosophy of the Academy at Burrillville High School. We believe that in order for a student to achieve success it is essential that they possess the desire and the ability to learn. The Burrillville Academy is dedicated to providing an environment where each student can discover their innate ability to learn and be given an opportunity to attain the highest level of success they are capable of achieving.

### **Statement of purpose:**

The Burrillville Academy is designed to identify students who are not attaining the level of success they are capable of achieving. Instructional strategies will develop self-realization, motivate the student, provide the student with study skills, expose the student to various careers, and allow the student an opportunity to apply the knowledge she/he has attained. The goal of the Academy is to provide the student with the motivation and skills necessary to be a life long learner and to become a contributing member of society. Students will be given the opportunity to prepare for success in a post secondary academic institution or a chosen career.

### **Instruction:**

Instruction will be based on a team approach within an adjusted daily schedule. The faculty involved is teachers who have volunteered to participate because they believe in the philosophy of the program and feel they have something to offer the students. Students in the program will be in classes that are offered to only Academy students and taught by Academy teachers. This setup will provide the students with a structured and consistent environment. The schedule will allow for closure upon a topic and an authentic approach for learning and assessment. The schedule will also allow teachers to team-teach or place classes together to study a topic or share conclusions.

### **Curriculum:**

The Burrillville Academy offers the following courses.

Grade 11  
Academy English I  
Academy Math I  
Applied Physics  
U.S. History II  
Elective  
Physical Education

Grade 12  
Academy English II  
Academy Math II  
Biochemistry  
Elective  
Elective  
Physical Education

**Schedule:**

The Burrillville Academy math and science classes run in blocks of ninety minutes.

**Art Courses**

Our art program is designed to provide a variety of experiences and challenges, while teaching students new skills and honing their true talents in the area of art

appreciation. The course offerings of the visual arts department are designed to expose students to a wide variety of studio experiences. Students can choose from a survey course offering a sampling of many media, or choose to work with a specific technique or media which interests them.

Study in the visual arts has been found to enhance problem solving skills, promote independent thought, and provide an outlet for self-expression. As you review the course offerings, you will notice we have developed a comprehensive visual arts program that incorporates a wide variety of media. We have also provided more 1/2 credit courses for students who may choose to sample a variety of different art media that more readily integrates with his schedule.

**(505) 2 Dimensional Design  
(Drawing, Painting and Printmaking)**

Grades 9 - 12

Standard - 1 Credit

2D Design is a class designed to develop a personal voice and style while exploring materials including: charcoal, pen, colored pencils, pastels, tempera, acrylic, gouache, and ink, and subjects ranging from the self and the environment, to imagination, memory, and the abstract. The course will provide students with the skills necessary to improve observational drawing and painting, as well as enhancing the students' own imaginative works. The skills learned in this class will strengthen your ability as a visual communicator and enhance your performance in any future art or design course. 2D Design serves as a prerequisite for Studio Art I and Advanced Studio Art.

**(510) Art Foundations (In-Depth)**

Grades 9 - 12

Standard - 1 Credit

This is an introductory course for students with an interest in art. This course will provide a sampling of drawing, clay building, painting, printmaking, collage and design. It is designed to provide the student with a hands-on experience in art making. This course will direct students who may be interested in taking additional art courses.

**(501) Clay Building**

Grades 9 - 12

Standard - 1 Credit

This course explores the basic techniques of clay hand building (pinch, coil and

slab) as well as glazing and firing. Students will be encouraged to experiment and personalize their work. Students will be introduced to additional techniques using the potter's wheel.

### **(502) Drawing**

Grades 9 - 12

Standard - 1 Credit

This studio course will concentrate on a variety of drawing techniques, exploring a wide array of drawing materials. The course will provide students with the skills necessary to improve observational drawing as well as enhancing the students own imaginative artworks. Students will advance to explore drawing techniques on a more sophisticated level, creating professional quality finished drawings. Students will explore additional materials as well as combine materials for multimedia effects.

### **(506) 3 Dimensional Design (Sculpture and Mixed Media)**

*Drawing or Foundations Course Recommended as a Prerequisite*

Grades 10 - 12

Standard - 1 Credit

3D Design is a class designed to develop a personal voice and style while exploring materials including: plaster, clay, cardboard, cloth, metal, wood, plastic, glass, rubber and found objects and subjects ranging from themselves and the environment, to imagination, memory, and the abstract. The course will provide students with the skills necessary to create and improve construction and design techniques, as well as, enhancing the students' own imaginative works. The skills learned in this class will strengthen your ability as a visual communicator and enhance your performance in any future art or design course. 3D Design serves as a prerequisite for Studio Art I, Advanced Studio Art and 3 Dimensional Design.

### **(515) Studio Art I**

*Prerequisite: 2 Dimensional, 3 Dimensional or Art Foundation*

Grades 10 - 12

Standard - 1 Credit

Studio Art I is a course designed for students who found success in Art Foundations and/or 2D and 3D Design, and wish to further develop their skills and techniques.

Materials and techniques will be explored deeper than that in Art Foundations, yet still provide a wide variety of subjects and themes. Students will begin to discover their strengths and weaknesses in art making and make personal decisions regarding media and focus. Studio Art I serves as a prerequisite for Advanced Studio Art.

**(518) Advanced Studio Art**

*Prerequisite: 2 Dimensional, 3 Dimensional, Studio Art I or Art Foundations*

Grades 11 - 12

Standard - 1 Credit

This advanced course is for the serious art student who anticipates pursuing a career in the visual arts. Students will be challenged to achieve excellence within their chosen media and acquired techniques, while encouraging individuality and self-expression. The teacher will serve as a resource and mentor, meaning, students must be self-motivated and set personal goals to expand his or her individual skills. This course will assist students in creating an admissions portfolio suitable for presentation to a visual arts college program, writing an artist's statement, and creating slides of their finished work.

**(497) Post Secondary Planning**

Grade 11 - 12

Standard - 1/4 credit

Post Secondary Planning is a course designed to assist students in developing and implementing an action plan using the information gained from Career Exploration. Students will explore the best post-secondary options based upon their career interests and aptitudes. If your future involves college or post-secondary training, you will explore admissions requirements, financial planning, and course requirements. If the world of work is in your immediate future, you will engage in visitations, job-shadowing, and/or linkages to apprenticeships. If the military is of interest, contacts will be provided for the different branches of the service and the ASVAB results will be reviewed so that an educated decision can be made. Post Secondary Planning will run opposite fitness for one semester. Seniors will be given preference in Semester I.

Students will be expected to evidence academic leadership through independent learning and adherence to high performance levels. Assigned summer readings will be required.

## English Courses

The English program is designed to develop those literacy skills that students need to communicate effectively throughout their lives. The program seeks to prepare students to be “active, critical, and creative users of print, spoken, and visual language” (NCTE, 1996). To meet this goal, all English courses emphasize competence in the skills of reading and writing, speaking and listening, viewing and visually representing. Special emphasis is given to the processes of comprehension, critical thinking, and composition.

Aesthetic appreciation and an awareness of literary traditions are also encouraged. Through reading and responding to texts from different content areas, time periods, and cultural groups, students enhance their appreciation of language, develop an understanding of universal themes, and acquire insight into their own lives. By studying both literature and language, students explore the enduring achievements of mankind to make connections from the past to the present.

Flexibility in methods, materials, and assessment is provided to meet the diverse needs of students. Since the various language arts are interconnected and seldom function as discrete entities, English instruction is integrated and holistic in design. In the English classroom students are asked to apply their language arts skills on a daily basis, and instruction and assessment are often synonymous.

### (010) English -

Prerequisite: Departmental recommendation and approval

Grade 9

Ad-

vanced - 1 Credit

This course is designed for the college preparatory student who has exhibited exceptional ability and motivation in reading and language arts. Emphasis will be on an intensive study of communication skills and literary genres. Instruction will stress reading, writing, speaking, listening, viewing, and visually representing. A comprehensive examination of literary genres including fiction, drama, poetry and nonfiction will form the core of the literature program. Literary selections will be drawn from diverse cultures and time periods. Students will use the writ-

**(011) English**

Grade 9

Standard - 1 Credit

This course is designed for the college preparatory student. Emphasis will be on basic communication skills and literary genres. Instruction will stress reading, writing, speaking, listening, viewing, and visually representing. An introduction to literary genres including fiction, drama, poetry and nonfiction will form the core of the literature program. Literary selections will be drawn from diverse cultures and time periods. Students will use the writing process to complete both expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. Students will be expected to demonstrate high standards of performance and to work independently as well as with instructor support. Assigned summer readings will be required.

**(013) English**

Grade 9

Traditional - 1

Credit

This course is designed for students considering a wide range of post secondary careers and/or educational paths. Emphasis will be on the basic communication skills and literary genres. Instruction will stress reading, writing, speaking, listening, viewing, and visually representing. An introduction to literary genres including fiction, drama, poetry and nonfiction will form the core of the literature program. Literary selections will be drawn from diverse cultures and time periods. Students will use the writing process to complete both expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. High standards of student performance will be expected. Significant levels of instructor support will be given. Assigned summer readings will be required.

**(015) English***Prerequisite: Departmental recommendation and approval*

Grade 10

Advanced - 1 Credit

This course is designed for the college preparatory student who has exhibited exceptional ability and motivation in English. Emphasis will be on an intensive study of the communication skills of reading, writing, speaking, listening, viewing and visually representing. A survey of American literature from the Age of Exploration to Reconstruction (1492-1876) will form the core of the literature program. Students will use the writing process to complete expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. Students will be expected to demonstrate academic leadership through independent learning and adherence to high performance levels. A research paper as well as assigned summer readings will be required.

**(016) English**

Grade 10

Stan-

dard - 1 Credit

This course is designed for the college preparatory student. Emphasis will be on the basic communication skills of reading, writing, speaking, listening, viewing and visually representing. A survey of American literature from the Age of Exploration to Reconstruction (1492-1876) will form the core of the literature program. Students will use the writing process to complete expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. Students will be expected to demonstrate high standards of performance and to work independently as well as with instructor support. Assigned summer readings will be required.

**(018) English**

Grade 10

Traditional-1Credit

This course is designed for students considering a wide range of post secondary careers and/or educational paths. Instruction will emphasize the basic communication skills of reading, writing, speaking, listening, viewing and visually representing. A survey of American literature from the Age of Exploration to Reconstruction (1492-1876) will form the core of the literature program. Students will use the writing process to complete both expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. High standards

of student performance will be expected. Significant levels of instructor support will be given. Assigned summer readings will be required.

**(037) AP English Language and Composition**

*Prerequisite: Departmental recommendation and approval*

*Note: Only students who have registered and paid for the AP test by November 1st will receive the AP weight of five. Other students will receive the advanced weight of four.*

Grade 11

AP - Honors - 1 Credit

AP English Language and Composition is designed for the college preparatory student who has exhibited exceptional ability and motivation in English and desires the challenge and rigor of college level work. The equivalent of freshman college composition, the course is designed to teach students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers.

Students will be expected to write in a variety of forms with an emphasis on expository, analytical, and argumentative essays. An intense concentration on language will emphasize the ability to use grammatical conventions with sophistication and the development of a mature writing style including a wide-ranging vocabulary, variety of sentence structure, logical organization, balance of generalization and specific detail, and an effective use of rhetoric, tone, voice, and diction.

As part of the literature for the course, students will read and analyze major American works from the Reconstruction period to the present (1876-2007). They will also study nonfiction prose selections to gain an understanding of stylistic and rhetorical strategies and techniques to apply in their writing. Students will be expected to evidence academic leadership through independent learning and adherence to high performance levels. A research paper and assigned summer readings will be required.

The objective of AP English Language and Composition is to enable students to write effectively and confidently in college courses across the curriculum and in their professional and personal lives. Students will also be prepared for the AP exam in English Language and Composition, which they must take in May in order to

receive AP level credit for this course.

### **(020) English**

*Prerequisite: Departmental recommendation and approval*

Grade 11

Advanced - 1 Credit

it

This course is designed for the college preparatory student who has exhibited exceptional ability and motivation in English. Emphasis will be on an intensive study of communication skills of reading, writing, speaking, listening, viewing, and visually representing. A survey of American literature from the Reconstruction period to the present (1876-2007) will form the core of the literature program. Students will use the writing process to complete both expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. Students will be expected to demonstrate academic leadership through independent learning and adherence to high performance levels. A research paper as well as assigned summer readings will be required.

### **(021) English**

Grade 11

Standard - 1 Credit

This course is designed for the college preparatory student. Emphasis will be on the basic communication skills of reading, writing, speaking, listening, viewing, and visually representing. A survey of American literature from the Reconstruction period to the present (1876-2007) will form the core of the literature program. Students will use the writing process to complete both expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. Students will be expected to demonstrate high standards of performance and to work independently as well as with instructor support. Assigned summer readings will be required.

### **(022) Academy English I**

*Prerequisite: Enrollment in the Technology Preparation Academy Program*

Grade 11

Standard - 1

## Credit

This course is designed for the student who aspires to attend a two-year, four-year, or technical college. The course fulfills the English requirement for grade 11. Emphasis will be on business and expository writing, communication skills, vocabulary used in the workplace, career awareness, and literature that focuses on “real world” themes. Students will apply their lessons to the “real world” by attending field trips, listening to guest speakers, and participating in work or job shadowing experiences. Thematic units, developed in conjunction with related courses like Applied Physics, , and U.S. History II, will be implemented throughout the year. Students who elect this course must participate in the four core courses -- Academy English I, Applied Physics, Academy Math, and U.S. History II -- in the Tech Prep Academy Program. Students will be expected to demonstrate high standards of performance and to work independently and collaboratively as well as with instructor support. Assigned summer readings will be required.

**(023) English**

Grade 11

Traditional - 1 Credit

This course is designed for students considering a wide range of post secondary careers and/or educational paths. Instruction will emphasize the basic communication skills of reading, writing, speaking, listening, viewing, and visually representing. A survey of American literature from the Reconstruction period to the present (1876-2007) will form the core of the literature program. Students will use the writing process to complete both expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. High standards of student performance will be expected. Significant levels of instructor support will be given. Assigned summer readings will be required.

**(024) EEP/AP Senior English***Prerequisite: Departmental recommendation and approval**Note: Only students who have registered and paid for the AP test by February 1st or enrolled in and paid for the EEP credits by February 1st will receive the AP weight of five. Other students will receive the advanced weight of four.*

Grade 12

1 Credit (BHS) for EEP, 3 (RIC)

### Credits

The Rhode Island College Early Enrollment Program offers two courses in conjunction with the Burrillville High School English Department: English 113: Approaches to Drama and English 117: Contemporary Approaches to Literature. The courses are conducted during the full academic year. One course is offered each semester. Three RIC credits are available per course with a total of 6 RIC credits available for a small tuition fee. Students in this section must select either RIC credits or the AP examination in English Literature as part of their course obligation.

#### English 113: Approaches to Drama

Dramatic literature, past and present, is studied through analysis of selected plays. 3 credit hours. Gen.Ed. Category A.

#### English 117: Contemporary Approaches to Literature

Literature as an art form and as an expression of diverse cultural voices is studied, including the voices of women, minorities, and non-western authors. 3 credit hours.

### **(043) English**

*Prerequisite: Departmental recommendation and approval*

Grade 12

Advanced - 1

#### Credit

This course is designed for the advanced college preparatory student. Emphasis will be on literature as a rich source of themes to be explored for the purpose of expanding the communication skills of the independent and mature reader and writer. A survey of British literature will form the core of the literature program. Insights into traditional genres and newer types such as creative nonfiction will be explored in texts used to inspire new writing by students for the academic/ personal growth as a writer, in-school publication and literary performance or competition submission. Students will use the writing process to complete both expository and creative writing assignments that may be used as samples to support the college application process. Students will be expected to demonstrate

high standards of performance and academic independence. A research paper and/or significant course project and summer readings will be required.

**(025) English**

Grade 12  
it

Standard - 1 Credit

This course is designed for the college preparatory student. Emphasis will be on the basic communication skills of reading, writing, speaking, listening, viewing, and visually representing. A survey of British literature will form the core of the literature program. Students will use the writing process to complete both expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. Students will be expected to demonstrate high standards of performance and to work independently as well as with instructor support. A research paper and assigned summer readings will be required.

**(036) Academy English II**

*Prerequisite: Academy English I (English 022) and enrollment in the Technology Preparation Academy Program*

Grade 12  
- 1 Credit

Standard

Academy English II is the second year of a two year curriculum which is designed for the student who plans to attend a two year, four year, or technical college. The course fulfills the English requirement for grade 12. Skills mastered in Academy English I, including oral and written communication skills, will be utilized and mastered through independent study and collaborative projects. Current works of literature as well as classic British literature will be integrated thematically throughout the year. Career awareness will also be promoted through individual and group activities. All students will participate in integrated activities linking the curriculum of Academy English II to Academy Math II and Bio-Chemistry, which are also required courses in the Tech Prep Academy Program. Assigned summer readings will be required.

**(027) English**

Grade 12

Traditional - 1 Credit

This course is designed for students considering a wide range of post secondary careers and/or educational paths. Instruction will emphasize the basic communication skills of reading, writing, speaking, listening, viewing, and visually representing. A survey of British literature will form the core of the literature program. Students will use the writing process to complete both expository and creative writing assignments, and grammar and vocabulary skills will be integrated throughout the year. High standards of student performance will be expected. Significant levels of instructor support will be given. Assigned summer readings will be required.

### *English Electives*

#### **(805) Reading**

Grades 9 - 10

Traditional - 1 Credit

*Teacher Recommendation Only*

This course is designed for students who require intensive reading instruction. Emphasis is placed on improving reading comprehension and increasing the student's reading vocabulary. Practical application of basic reading skills is stressed at all levels.

#### **(806) Reading**

Grades 11 - 12

Traditional - 1 Credit

*Teacher Recommendation Only*

This course is designed for students who require intensive reading instruction. Emphasis is placed on improving reading comprehension and increasing the student's reading vocabulary. Practical application of basic reading skills is stressed at all levels.

#### **(030) Publications**

Grades 10 - 12

Advanced - 1 Credit

This course is designed for students who are highly motivated in writing and designing publications. Students will be responsible for all aspects of producing the high

school yearbook. Topics of instruction will include the functions of publications, legal issues, theme development, content and coverage, interviewing, copywriting, photography, layout, financing, and sales. Students will be expected to function as a publishing team; generating ideas; interviewing and covering important events and people; writing headlines, copy, and captions; using InDesign on the computer to design and layout pages; participating in advertising and sales campaigns; and completing all work necessary to meet publisher's deadlines throughout the year. Advanced students with scheduling conflicts may elect this course as an independent study course.

### **(032) Introduction to Speech Communication**

Grades 9-12

Standard - 1/2 Credit

Introduction to Speech Communication is an open-enrollment, semester-long, elective course that deals with many aspects of the communication process. Students from all grade levels are invited to create an atmosphere of lively exchange of ideas and points of view. Students who fear public speaking are encouraged to enroll, as the skills to cope with and overcome these fears will be taught. Topics of study may include interpersonal communication, group communication, public speaking, interpretation, theatre, and debate. The course will require full participation in classroom activities and speaking assignments.

### **(040) URI Composition 104 Writing to Inform and Explain**

*Note: Only students who have registered and paid for the URI credits will receive the AP weight of five. Other students will receive the advanced weight of four.*

Grades 11 - 12  
(BHS)

Honors-1/2 Credit

3-Credits

(URI)

Composition 104 is a one-semester elective designed for juniors and seniors who would like to further develop or improve their essay writing skills before attending a four-year college. During the semester, students will complete five major papers (three to five pages each) representing a variety of nonfiction genres such as the narrative, memoir, review, and problem/solution paper. Writing workshop and peer review of papers will be employed in this course, so students should be willing to

write drafts, talk about their writing, and attempt to assist others in the quest to write better essays for college. Readings of sample student papers will be taken from *The Norton Field Guide to Writing* by Richard Bullock and other texts. The final exam consists mainly of portfolio evaluation. URI requires a tuition fee of \$150.00 for three undergraduate credits and the purchase of the Bullock text of all students enrolled in this course. Successful grades/transcripts are transferrable to the college of choice and may exempt students from taking freshman composition when they begin college.

**(044) Creative Writing**

Grades 9 - 12

Standard - 1/2 Credit

Creative Writing is an open-enrollment, semester-long, elective course designed for students who enjoy imaginative writing. The course is devoted to exploring and practicing various creative writing forms. Students will analyze and apply a variety of approaches and techniques used in creating short stories, poetry, plays, and other fiction and nonfiction genres. As a final class project, students will publish their own individual works. They will also serve as editors of the school literary magazine, *The Carousel*.

**(047) Approaches to Drama**

Grades 10 - 12

Standard - 1/2 Credit

## Family and Consumer Sciences Courses

The Department of Family and Consumer Sciences (formerly Home Economics) tailors its course offerings towards preparing the student to develop skills as an informed consumer and responsible family member. Each course provides the student with an opportunity to increase his/her knowledge and develop skills through a combination of hands-on laboratory experiences, lively class discussions and individualized projects. Various community service projects will be integrated throughout the curriculum.

The Department offers a comprehensive yet flexible curriculum that allows students to sample a course in an area of interest or follow a more programmatic scheduling sequence. Our overall goal is to encourage the development of productive, responsible and confident young adults as they complete their high school education.

### **(554) Parenting and Relationships**

Grades 9 - 12

Standard - 1 Credit

Parenthood is the most popular “career” in the world, yet few people are prepared for the commitment, responsibilities, and challenges of being a parent. This course will cover the realities and rewards of parenting from the first thoughts of having a baby to the reality of dealing with teenagers! “Baby Think It Over” helps students realize that having a baby is a big step in their lives. (Parental permission is required.) Understanding yourself and others is the key to developing healthy

relationships. Participate in discussions relating to personality development, relationships, domestic violence and dating abuse, engagement, and marriage.

**(556) Early Childhood Development/Child Care I**

Grades 9 - 12

Standard - 1 Credit

Early Childhood Development is the introductory level course that deals with the study of the young child from ages 1 to 5. Students will get an overview of how children develop physically, socially, intellectually, and emotionally as they progress through each developmental stage of the child. The second half of the course, Child Care I, will allow the students to apply the basic concepts they have learned as they develop the skills necessary to work with preschool age children in a playschool environment. This course is an excellent basis for those students who wish to work in the field of child care or elementary education.

**(562) Child Care II**

*Prerequisite: Successful completion of Child Care I and permission of the instructor*

Grades 10 - 12

Standard - 1 Credit

Child Care II is designed for those students who are interested in pursuing a career in a child related field or who wish to further their skills in working with young children. Students will plan, prepare and teach lessons and develop projects and activities for the children enrolled in the Playschool. In addition, they will explore the many opportunities that are available to them in the field of child care. It is highly recommended that students enrolled in this course also elect the Parenting course during their course of studies.

**(557) Interior Design -**

Grades 9 - 12

Standard - 1/2 Credit

Do you like to decorate your room? Rearrange furniture? Add a few special touches? Then this course is for you! Learn the basic principles of design as you complete several hands-on projects that you can apply to your current living situation. Students do not need prior drafting or arts experience.

**(571) Fashion Design**

Grades 10 - 12

Standard - 1/2 Credit

Whether you just want to look your best or you have aspirations to become a designer, this class is for you. Learn the basics of apparel design and color to help you plan the wardrobe that is right for you. Explore the careers that are available in the fashion world. Use your newfound knowledge to create custom designs. You do not need any prior art or sewing experience. This class enhances skills learned in Interior Design.

**(576) Child Care III/Field Experience**

*Prerequisites - Early Childhood Development/Child Care I and Child Care II and permission of instructor*

Grades 11 - 12

Standard - 1/2 Credit

Child Care III/Field Experience is for the student who is interested in the child care field as a career choice. In addition to class time, students will work for several hours a week in an out-placement setting such as the elementary schools, after school day care and child care establishments in the area. College credit is available for students who qualify and are interested.

## Foreign Language Courses

The aim of the Foreign Language Program is to develop skills in listening (understanding), speaking reading and writing for each of the languages offered-French and Spanish. By emphasizing participation through oral, written, and listening activities, students achieve a mastery of the basic communication skills. The program also seeks to introduce the students to the cultures and viewpoints of people foreign to them. **STUDENTS SHOULD ANTICIPATE AND PLAN ON REMAINING IN THE SAME FOREIGN LANGUAGE FOR AT LEAST TWO CONSECUTIVE YEARS. THIS SHOULD HELP ENSURE THE SUCCESS IN ACQUIRING PROFICIENCY IN THE LANGUAGE.**

Rhode Island's colleges and universities require two or three years of a foreign language. Many colleges require a third year, while others are looking for students with a four-year background in their language. A college bound student should expect to aim for either a three or four year commitment to a foreign language. This commitment often gives the student a competitive edge for college admission.

Students who excel or who simply have an interest in studying languages may also opt to take a second foreign language concurrently with their first language.

Study of foreign language is also a very profitable asset in that it offers the student the opportunity to develop a desirable communication skill. This skill is widely sought by many employers in today's global economy.

As a guide for the taking of an Advanced or Standard level course with success it is suggested you follow the recommendation of the Middle School guidance (for incoming 9th graders) or of the current language teacher (for all other students). An

incoming freshman taking advanced English should definitely select the advanced level in a foreign language, and students taking traditional level English usually wait to begin the study of a second language until their sophomore year. This allows for the development of better language skills and increases the chances of success when beginning the study of French or Spanish.

**(408) French I**

*Prerequisites: Recommendations of teachers and/or departmental approval.*

Grades 9 - 12

Advanced - 1 Credit

This offering is presented for students who are capable of working at an accelerated pace and who desire the challenge of a more intense program. The students will pursue a more thorough study of the vocabulary and grammar presented in the standard level French I. Readings in the language and projects will also be introduced to explore the cultural aspects of the French-speaking world.

**(414) French I**

*Prerequisites: Recommendations of teachers.*

Grades 9 - 12

Standard - 1 Credit

French I centers around the first year text of the series. Vocabulary, structure, and pronunciation of the language are introduced, and the student begins to develop reading skills and speaking skills through graded exercises in the text. Students are introduced to the culture of the people and to places in France and the French-speaking world. French I is meant to serve as a springboard for continuation into French II.

**(425) French II**

*Prerequisite: Advanced French I and departmental approval.*

Grades 10 - 12

Advanced - 1 Credit

As with the first year advanced course, this continuation of basic language study maintains a more rapid and intense pace than the standard level course. Expectations are increased and student involvement quickens with this deeper and more thorough study. A more complex structure is examined and the expansion of vocabulary is greater.

**(415) French II**

*Prerequisite: Successful completion of French I.*

Grades 10 - 12

Standard - 1 Credit

The text used in this course is the sequel to the French I text. The student comes in contact with various aspects of France and French life through the study of the language. Dialogues in the text relate to family life, education, literature, cuisine, etc., and the material selected considers the age and interests of the students. Use of language tapes and films may provide a variety of audio and visual stimuli for the student.

**(416) French III**

*Prerequisite: Successful completion French II and departmental approval.*

Grades 11 - 12

Advanced - 1 Credit

To complete the fundamentals of language learning, the French III course emphasizes the spoken language through conversations, dictées, and other oral presentations. A broadening of the grammar and vocabulary base also takes place. A requirement of many colleges, this third consecutive year in the modern language will expose the student to the culture, civilization and many everyday experiences in a foreign country.

Note also: At some universities, a student who has successfully completed three consecutive years of a foreign language in high school may be excused from a foreign language requirement.

**(417) French IV**

*Prerequisite: A grade of 75 in French III and departmental approval.*

Grade 12

Advanced - 1 Credit

Conducted as much as possible in French, this course will increase the student's conversational skills through increased oral participation. Readings of literary works (short stories, poems, and selections from novels) make up a large part of this offering. These readings and the more intensive study of the French people, culture, and history will further the knowledge of grammar and vocabulary while developing composition skills through written assignments. Although taught together AP students are held to slightly different standards than the Advanced students. The AP student's work concentrates on preparation for the AP exam that requires specific skills. In order to receive AP credit (level 5) a student must take

the AP test and pay for the AP exam by February 1.

**(409) Spanish I**

*Prerequisites: Recommendations of teachers and departmental approval.*

Grades 9 - 12

Advanced - 1 Credit

Spanish I is designed for students who are capable of working at an accelerated pace and who desire the challenge of a more intense program. The students will pursue a more in-depth study of the vocabulary and grammar of the standard level Spanish I. Readings in the language and projects will also be introduced to explore the cultural aspects of the Hispanic world.

**(418) Spanish I**

*Prerequisites: Recommendations of teachers.*

Grades 9 - 12

Standard - 1 Credit

Spanish I centers around the text *Bienvenidos*. Vocabulary, structure, and pronunciation of the language are introduced; the student begins to develop reading and speaking skills through graded exercises in the text. Students are introduced to the culture of the people and to places in Spain and the Spanish-speaking world. Spanish I is meant to serve as a springboard for continuation into Spanish II.

**(424) Spanish II**

*Prerequisite: Successful completion of Spanish I Advanced and departmental approval*

Grades 10 - 12

Advanced - 1 Credit

This course is designed to develop more intense conversational skills through an enriched vocabulary and more advanced grammar concepts. Students will gain a knowledge and understanding of Hispanic culture through readings and projects. Exploration of these cultural elements will help to prepare students to participate in multicultural communities at home or worldwide after high school. Many colleges continue the study of Spanish or other foreign languages in conjunction with professional degrees.

**(419) Spanish II**

*Prerequisite: Successful completion of Spanish I.*

Grades 10 - 12  
it

Standard - 1 Credit

The text in this course is the sequel to the Spanish I text. The student comes in contact with various aspects of Spain, Latin and Central America through the study of the language. The material in the text introduces cultural information as well as continuing the grammatical studies. Films may provide additional contact with the cultural aspects of the lives of Spanish-speaking people.

**(420) Spanish III**

*Prerequisite: A grade of 75 in Spanish II advanced and/or departmental approval.*

Grades 11 - 12

Advanced - 1 Credit

An enriched curriculum with level appropriate vocabulary and more in-depth grammar concepts is presented. Selected readings and literature with accompanying assignments are geared to develop written proficiency and conversational skills that lead to spoken fluency in the language. Cultural projects are an integral part of the course.

Note also: At some universities, a student who has successfully completed three or four consecutive years of a foreign language in high school may be excused from a foreign language requirement.

**(427) Spanish III**

*Prerequisite: A grade of 75 in Spanish II standard and/or departmental approval.*

Grades 11 - 12  
Credit

Standard - 1

This course is for the Spanish student presently in Spanish II standard who would like to continue his/her study of the language because of college or work-related needs

and benefits. A review of grammar and vocabulary takes place and is continued to a more expanded level. Emphasis is on the spoken language accompanied by the further study of various Spanish-speaking civilizations and their cultures.

**(423) Spanish IV -**

*Prerequisite: A grade of 75 in Spanish III advanced and/or departmental approval.*

Grade 12

Advanced 1 - Credit

Working with the spoken language as much as possible, students will achieve a degree of proficiency in speaking and mastery of grammatical principles. Vocabulary will be enhanced through reading selections about Spanish people, culture, and history, as well as, literary excerpts. Written assignments and projects will also be an integral part of the course. Although taught together AP students are held to slightly different standards than the Advanced students. The AP student's work concentrates on preparation for the AP exam that requires specific skills. In order to receive AP credit (level 5) a student must take the AP test.

## Mathematics Courses

The mathematics curriculum for the courses offered below has been currently revised. Each course curriculum reflects the Standards outlined by the National Council of Teachers of Mathematics as well as by the Rhode Island Mathematics Framework. The mathematics program, taken collectively, is designed to meet the needs of all students. Those who have demonstrated strong interest and ability in mathematics can follow a series of courses, which will culminate in either precalculus or calculus.

Those students who have a desire to attend a two (2) or four (4) year college, community college or trade school can select from a wide variety of courses designed to help them succeed in their chosen path. Students who need reinforcement while pursuing mathematics can select Algebra (taught over a two-year period) followed by Informal Geometry and/or Consumer Mathematics. Elective courses are offered in programming using the Visual BASIC and C++ computer languages. Other electives offered are Consumer Mathematics and AP Statistics. These courses are run when a significant number of students (usually 10 or more) elect the course.

In order for all students to have the opportunity to acquire the knowledge and skills needed to be successful in life, the four credits in the area of mathematics must meet the Algebra and Geometry requirement.

The Algebra requirement can be met by completing one of the following four options:

- Course (116) Algebra I
- Course (123) Algebra Part B
- Course (118) Algebra II
- Course (124) Advanced Algebra II

Note: Algebra Part A does not meet the Algebra requirement. It must be followed by Algebra Part B

The Geometry requirement can be met by completing one of the following four

options:

- Course (117) Geometry
- Course (119) Advanced Geometry
- Course (126) Informal Geometry
- Course (133) Academy Math I **and** (140) Academy Math II

### **(116) Algebra I**

*Prerequisite: Pre-algebra and teacher recommendation*

Grades 9 - 10

Standard - 1 Credit

Algebra I is the foundation course of the high school college mathematics curriculum. It integrates geometry, statistics, and probability into the study of algebra. The course places a heavy emphasis upon reading and problem solving to show the students the many uses of what they are learning. Throughout the course, the acquisition of both skills and concepts is emphasized. Topics include polynomials, exponents and powers, equation solving, graphing, and systems of equations.

### **(117) Geometry**

*Prerequisite: Algebra I*

Grades 9 - 11

Standard - 1 Credit

Geometry uses the algebraic skills developed in the previous courses as a means of introducing geometric concepts. Measurement, area, and volume are studied earlier than in a traditional geometry course and the concepts involved in proofs are developed more slowly. An emphasis is placed upon the use of geometric knowledge in the solving of real life problems. Traditional topics such as triangles, parallel lines, and polygons are studied. The development of student visualization and awareness of the presence of geometric principles in many aspects of everyday life serves as an underpinning of class work discussion and investigation.

### **(118) Algebra II**

*Prerequisite: Algebra I and Geometry (or departmental approval)*

Grades 10 - 12

Standard - 1 Credit

Algebra II is designed as a second-year course in algebra. The course has sub-

stantial amounts of geometry integrated with the algebra so that students will get to see how the courses relate. Reasoning and problem solving are emphasized and applications of computation are featured. Students are expected to use the available technology and are required to have a scientific calculator. Topics include equation solving, linear and quadratic relations, graphing, solving systems of equations as well as exponential, logarithmic, and trigonometric functions.

**(119) Advanced Geometry**

*Prerequisite: Advanced Algebra I (and departmental approval)*

Grade 9

Advanced - 1

Credit

Advanced Geometry is designed to give the student an understanding of a mathematical system. Topics include symbolic logic, inductive and deductive reasoning, indirect proof, angles, parallel and perpendicular lines, congruent and similar figures, and circles. Solid and analytic methods and concepts are introduced. Additional topics include construction, the trigonometry of the right triangle, area, volume, and transformations.

**(121) Precalculus**

*Prerequisite: Algebra II*

Grade 11 - 12

Standard - 1 Credit

The precalculus course provides the opportunity for students to informally investigate the traditional concepts of calculus such as maxima, minima, infinite sequences, limits, and derivatives. In addition, students work with the algebraic manipulation they will need in future courses. All this is continually applied to and illustrated by real-world applications of the topics. This course is recommended for students who have received a B- or better in Algebra II.

**(141) Advanced/EEP Calculus**

*Prerequisite: B or better in Precalculus (and/or departmental approval) NOTE: Only students who have registered and paid for the EEP credit by November 1st will receive the EEP weight of five. Other students will receive the advanced weight of four.*

Grade 12

Advanced - 1 Credit

Calculus gives a student the opportunity to use the skills obtained in all prior mathematics courses as she/he develops the tools necessary to analyze various types of functions, including algebraic, exponential, logarithmic and trigonometric. Topics studies include limits, differentiation and integration. Uses of the derivative to determine maximum and minimum values of a function helps to provide application in various scientific areas as well as economics and business. Various integration techniques and their uses will be explored. This class differs from AP Calculus in that it also allows time to review topics in Precalculus and Algebra II.

**(122) Algebra Part A**Grade 9  
Credit

Traditional - 1

Algebra Part A is the first of two courses designed to allow the student to complete Algebra I in two years instead of the usual one year. It allows the student time to remediate as necessary and still cover the core topics of Algebra I. It also allows students to gain exposure to the use of algebra as it relates to technical or business applications. Typical examples of algebraic concepts used in Technical/Business areas would be algebraic expressions as seen in a spreadsheet or the coordinate system.

**(123) Algebra Part B***Prerequisite: Algebra Part A*  
Grade 10

Standard - 1 Credit

Algebra Part B is the second half of the two year Algebra I program. The student will continue his/her investigation of functions, graphing, and the solution of linear equations and inequalities.

**(124) Advanced Algebra II***Prerequisite: B- or better in Advanced Geometry (and/or departmental approval)*

Grade 10

Advanced - 1 Credit

Advanced Algebra II should be elected only by students who have a good founda-

tion in Algebra I and Geometry. The course attempts to give the student a basic knowledge of the concepts involved in solving all types of equations from linear through third and fourth degree polynomial equations. Also covered are such topics as properties of real numbers, inequalities, the complex number system, basic function theory, exponential and logarithmic functions, basic concepts of the trigonometric function, and the analytic geometry of the straight line.

**(125) Consumer Mathematics**

Grades 11 - 12 Standard- 1Credit

**(120) Consumer Mathematics**

Grades 11-12

Traditional - 1 Credit

Consumer Math is a beneficial course for all students - regardless of postsecondary plans - as topics discussed promote financial responsibility. This full credit course covers topics including investigating percentages as they apply to simple and compound interest, analyzing characteristics of exponential growth and decay, manipulating rational exponents and applying knowledge of functions to extrapolate future projections. On-line resources will be used to assist in budget planning for major events such as vacations, weddings, etc. Other mathematical topics will include interpreting data and graphs to formulate, justify and/or critique conclusions... using technology to create appropriate mathematical graphs with the intention of analyzing the data to draw and justify conclusions, and examining the mathematical process involved in a given statistical analysis (such as car insurance rates).

**(126) Informal Geometry***Prerequisite: Algebra B*

Grade 12

Traditional - 1 Credit

Informal Geometry is designed for the traditional level student who would like to explore geometry without the rigor of formal proof. The emphasis of the course is on discovery-learning and problem solving. Students will engage in hands-on explanation of geometric concepts. Learning is tied closely to real world uses of geometry as well as the geometric principles inherent in construction, mapping and design.

**(127) Advanced Precalculus**

*Prerequisite: B- or better in Advanced Algebra II (and/or departmental approval)*

Grade 11

Advanced - 1 Credit

Students who have exhibited an interest and a high degree of competency in mathematics should consider electing Precalculus. The course is designed to prepare students who desire to pursue the study of mathematics or a mathematics related field after graduation. The topics to be studied include functions and their properties with an emphasis placed on the trigonometric function, analytic geometry, and basic concepts of analysis leading to a study of the derivative and the integral.

**(128) Algebra III**

*Prerequisite: Algebra II*

Grade 12

Standard - 1 Credit

Seniors who plan on furthering their education on the college level and would like to strengthen their knowledge of basic algebraic concepts should elect this course. The course is equivalent to a course in College Algebra with an emphasis upon reviewing the concepts already seen in Algebra II as well as introducing the basic concepts of logic, probability, statistics, and set theory.

**(129) AP Calculus -**

*Prerequisite: B- or better in Advanced Calculus (and/or departmental approval)*

*Note: Only students who have registered and paid for the AP test by November 1st or enrolled in and paid for the EEP credits will receive the AP weight of five. Other students will receive the advanced weight of four.*

Grade 12

AP/ Advanced - 1 Credit

Calculus gives a student the opportunity to use the skills obtained in all prior mathematics courses as she/he develops the tools necessary to analyze various types of functions, including algebraic, exponential, logarithmic, and trigonometric. Topics studied include limits, differentiation, and integration. Uses of the derivative to determine maximum and minimum values of a function helps to provide application in various scientific areas as well as economics and business. Various

integration techniques and their uses will be explored.

**(130) Introduction to Computer Programming -**

*Prerequisite: Algebra II*

Grades 11 - 12

Standard - 1/2 Credit

Introduction to Computer Programming is designed to expose students to the fundamentals of computer programming using the Visual Basic programming language. Students who plan to work in the area of technology beyond high school will find this course valuable. The elements of computer language as well as the interface between the computer and instructional coding are presented in a careful and deliberate pace. Students who enroll should have a good understanding of Algebra II.

**(132) Computer Programming II**

*Prerequisite: Computer Programming I (or departmental approval)*

Grades 11 - 12

Advanced - 1/2

Credit

In Computer Programming II, the advanced topics of Visual Basic will be covered if not done so in semester I. The computer programming language C++ will be introduced using Visual basic as a foundation. This transition will allow the core algorithms developed in Computer Programming I to be reinforced by using a different language to accomplish similar tasks by reapplying the same logical problem solving techniques. Students entering an Engineering or Technology area of study in college will probably have to take C++ or C programming. Computer Programming II will prepare them for either course.

**(139) AP Statistics**

*Prerequisite: Precalculus or Advanced Algebra II (and department approval)*

*Note: Only students who have registered and paid for the AP test by February 1st will receive the AP course weight of five. Other students will receive the advanced weight of four.*

Grades 11 - 12

Advanced - 1 Credit

Statistical information is presented to us constantly on radio and television. The need to study statistics has grown enormously in the last fifty years or so. The field has branched to areas such as business, education, medicine, psychology, and even

history. The collection, processing, interpretation, and presentation of numerical data all belong to the domain of statistics. These tasks include the calculation of baseball batting averages, collecting data on births and deaths, evaluating the effectiveness of commercial products, and forecasting the weather. Students enrolled in this course will have a general exposure to statistics and will be expected to take the AP exam for college placement at the end of the course.

**(133) Academy Math I**

Grade 11

Standard - 1 Credit

The Burrillville Academy is a unique program at BHS which utilizes an integrated approach to implement a thematic curriculum. Emphasis is placed on the application of mathematics used in applied Physics. Topics include unit conversion, algebraic manipulation, analytic Geometry, Trigonometry, solving systems of equations and quadratic equations and perimeter, area and volume of polygons. The completion of Academy Math I and II is equivalent to College Algebra II and Geometry as well as select topics such as probability and statistics.

**(140) Academy Math II**

Grade 12

Standard - 1 Credit

The Burrillville Academy is a unique program at BHS which utilizes an integrated approach to implement a thematic curriculum. Emphasis is placed on the application of mathematics used in applied Physics. Topics include a continuation of geometry concepts including Trigonometry, triangles, parallel lines and properties of polygons. Other topics include basic algebraic concepts covered in College Algebra, including exponential, logarithmic, trigonometric functions and probability, statistics and set theory.

## Music Courses

The music department provides course study in the theoretical and performance aspects of music. Courses are provided in both vocal and instrumental instruction and include the study of a variety of musical types and genres. Music Department ensembles are given the opportunity to perform within the community and state as well as in other geographical areas.

The pursuit of music studies provides students with unique vocational opportunities. Any of the courses that are offered in the Music Department can fulfill the half-year requirement in the arts that is mandated for all college bound Burrillville students. Although only a small percentage of students pursue a career in music, most students leave the music program with an increased sense of discipline, responsibility, and appreciation for the beauty of music that will remain with them for the rest of their lives.

### **(652) AP Music Theory**

*Prerequisite: Departmental approval*

*Note: Only students who have registered and paid for the AP test by November 1st will receive the AP weight of five. All others will receive the advanced weight of four.*

Grades 11 - 12

Advanced - 1 Credit

AP Music Theory is organized to simulate the rigors of a freshman college Music Theory class. Musical concepts include ear training, harmonic analysis, and some history. Prior musical training is needed. In order to receive AP credit for the class, the student must take the AP Exam in the May.

### **(654) Concert Band**

*Prerequisite: Three years of playing experience (or departmental approval)*

Grades 9 - 12

Standard - 1 Credit

it

Concert Band offers exposure to many kinds of music. Marching Band consists of both Concert Band and Wind Ensemble members. All performances and march-

ing engagements must be attended by all members of the Concert Band in order to pass the course.

**(655) Wind Ensemble**

*Prerequisite: Departmental approval*

Grades 9 - 12

Advanced - 1 Credit

Wind Ensemble offers exposure to many kinds of music. All performances and marching engagements must be attended by all members of the Wind Ensemble in order to pass the course.

**(666) Chorus**

*Prerequisite: Middle school choral experience or departmental approval*

Grades 9 - 12

Standard - 1

Credit

Chorus will provide an introduction to rhythm, pitch, and independent singing. Students will study a variety of selections from classical to pop. Attendance at all performances will be required to pass the course. Previous experience is not necessary but is welcomed.

**(659) Beginning Guitar**

Grades 9 - 12

Traditional - 1 Credit

Beginning Guitar will examine the basic elements of music through the study of the guitar. Students will learn how to read notes and rhythms in a variety of different song styles. Students will also learn basic chords in abbreviated and full form. Students will be expected to participate in a formal or informal performance during the semester. Music reading is not required but is welcomed.

**(662) Select Choir**

Grades 9 - 12

Advanced - 1 Credit

Select Choir will provide a scheduled time for auditioned students to meet as a separate group that would prepare the selections being prepared in Chorus as well as work on pieces of more advanced caliber. Select Choir will perform a variety

of musical styles in a variety of venues. All members of the select choir will also learn and perform the music that the chorus is learning and performing. All performances of the chorus and select choir will need to be attended in order to pass the course.

### **Physical Education/Health Courses**

#### **(901) Physical Education/Health Courses**

Grades 9 - 10

Traditional - 1/2 Credit

#### **(902) Physical Education/Health Courses**

Grades 11- 12

Traditional - 1/2 Credit

Physical Education/Health courses is a required subject for all students. The Physical Education/Health courses are composed of Physical Education and Health instruction. Each course is designed to meet individual needs at every age and grade level.

The Physical Education component of Physical Education/Health offers activities which will impart skills related to the maintenance of physical health and the acquisition of skills pertaining to lifelong and/or leisure time activities. The course complies with Title 16 of the General Laws of Rhode Island relating to education requirements that instruction shall be provided in physical education (16-22-4).

#### **Course requirements relating to Physical Education**

- Students must successfully complete four years of Physical Education/Health to graduate.
- Students will wear a change of clothes suitable for the day's activities. A student must be changed to participate in class; a student without suitable attire will receive a grade reduction for the quarter.
- Students who fail Physical Education/Health for the year will be required to make up the course during summer school session unless an alternative form of makeup has

been approved by the principal.

- Students must participate in class to receive credit.
- Work or tests not completed due to absences in any given unit must be made up in accordance with school policies.
- Students may be excused from class under the following circumstances:
  - a. by presenting a note from a physician.
  - b. by presenting a note from the school nurse.
  - c. at the discretion of the instructor.
- Excuse notes from either a physician or the school nurse must explain the nature and duration of the disability.  
If a student is medically excused from participating in class, the student can still receive credit by completing one of the following assignments as assigned by his/her teacher:
  - a. attend a make-up class during another period.
  - b. a written report/assignment of a specified length based on the number of excused absences.
  - c. a physical activity assignment outside of the class that they normally do not do as agreed upon by the instructor and as verified by a parent/  
guardian.
- Grades for each activity or unit will be established, in most cases, by the following criteria:
  - a. attendance, participation, and conduct.
  - b. skills tests.
  - c. written tests.
  - d. subjective observation and evaluation of effort, improvement, effectiveness, performance, and involvement.

### **Course requirements relating to Health**

The Health component is intended to provide the student with the knowledge necessary to formulate responsible decisions on contemporary health issues. Health Education courses are presented in a sequential program designed to enable a student to build upon his/her health skills continuum.

Topics presented at appropriate stages shall include, but not be limited to, mental health, substance abuse, nutrition, disease prevention, human sexuality, AIDS, pregnancy, consumer health, First Aid and CPR. Each course complies with Title 16 of the General Laws of Rhode Island relating to education requiring instruction in Health Education (16-22-4).

Exemptions from student participation in health education are provided in the following areas:

***AIDS Education***

A parent or guardian may exempt his or her child from instruction in AIDS by submitting a signed written request to the principal of the school. Letters of exemption must be submitted annually and will be kept on file in the school office.

***Prevention and Control of Disease***

A parent or guardian may exempt his or her child from instruction in the characteristics, symptoms and treatment of disease because of religious beliefs by submitting a signed written request to the principal of the school. The request should specify that instruction in disease characteristics, symptoms and treatment should not be given because of religious beliefs. Letters of exception must be submitted annually and will be kept on file in the school office.

All questions pertaining to the instructional exemptions for health education should be directed to the building principal.

***Students who fail Physical Education/Health for the year will be required to retake the course during summer school session unless an alternative form of make up has been approved by the principal. With a grade of 60 or less, a student cannot be considered for summer school.***

## Physical Education Elective

### PE 920 \*\* Strength and Conditioning

Departmental approval required

Traditional-1/2

This course is designed to provide students with information for the design and implementation of a successful strength and conditioning program. Emphasis will be placed on practical elements of strength and conditioning such as weight training, plyometrics, and cardiovascular endurance.

\*\*This half-year, quarter credit elective course does not meet the criteria for Fitness to graduate.

## Science Courses

The science department at Burrillville High School offers a succession of courses that meet the individual needs of our students by offering a variety of subjects. The content of these courses is intended to develop basic science skills for those entering the occupational and career-oriented fields as well as college preparatory instruction. Throughout the curriculum emphasis is placed on interpretation of data and the ability to express concepts logically and clearly. Familiarity with laboratory apparatus, instruments, and procedures is integrated into the curriculum, with several courses utilizing the interactive laser disk technology and IBM computers in laboratory courses.

It is expected that all students will fulfill the requirements of the school and the State of Rhode Island by completing three science courses for graduation. College level students are to take a minimum of two laboratory courses with a strong recommendation that additional science courses be taken.

### **(204) Physical, Earth and Space Science**

*Prerequisite: Grade 8 math and science average of "B" or better*

Grade 9    Advanced - 1 Credit

This is a lab-oriented course for the student entering the college preparatory curriculum and who has demonstrated a definite ability in science. It is designed to develop a basic understanding of the physical science concepts developed in the eighth grade and their relationship to the Earth and its environment. The advanced version of the course will involve more detailed work than the standard level. Students enrolled in the advanced program will be required to complete a science fair project, which will be due by the beginning of February.

### **(205) Physical, Earth and Space Science**

Grade 9

Standard - 1

## Credit

This course is similar in structure to Advanced Physical, Earth and Space Science. It will be taught from a more conceptual view with the amount and level of mathematics required minimized. This course will provide a good foundation for future science courses.

**(206) Physical, Earth and Space Science**

Grade 9

Traditional - 1 Credit

This course would be designed to inform the young adult about the fundamental forces of nature and provide them with a means to fulfill science credit obligations.

**(213) Biology**

*Prerequisite: Advanced Physical, Earth and Space Science average of "B" or better, and/or eighth-grade physical science average of "A" (and departmental approval)*

Grade 9 - 10

Advanced - 1 Credit

This course is concerned with the development and conceptual aspects of plant and animal life. Study begins with one-cell organisms and proceeds to multi-celled plants and animals. This course includes both lecture and laboratory activities. Students enrolled in the advanced program will be required to complete a science fair project that will be due by the beginning of February.

**(214) Biology**

*Prerequisite: Standard Physical, Earth and Space Science*

Grade 10

Standard - 1 Credit

This course is designed for the potential college student who may proceed with some form of further education. It is a course that strives to achieve a degree of sophistication for those students who will attend an institution of higher learning. Topics include those offered in the advanced biology course. This course includes both lecture and laboratory activities.

**(215) General Biology**

Grades 10 - 12

Traditional -1 Credit

This course is designed to fulfill the needs of an informed young adult by developing the fundamental “take home” knowledge of life and the way we as human beings must care for it. Topics include ecology, human physiology, and function of plants and animals.

**(207) Current Issues in Science**

Grades 11 - 12

Traditional - 1 Credit

This course is offered to students with a limited science background. It is intended to introduce basic concepts in science with applications to everyday life. Topics may include astronomy, ecology, medical and environmental issues, technological and the social aspects of science and their connections to teenagers. Additional topics will be included at the request of the students. See page 68 for the semester, 1/2 credit, course of Current Issue at the Standard level.

**(217) Chemistry**

*Prerequisite: Advanced Biology, Algebra I and concurrent enrollment in Algebra II (and departmental approval)*

Grade 10 - 11

Advanced - 1 Credit

This course is designed to prepare the student for a four-year college program. The student who intends to major in Chemistry or the Physical or Biological Sciences will be adequately equipped to undertake such a program in college. A student who is not planning a scientific education will be prepared to undertake further science courses in a liberal arts program. The mathematical skills in Chemistry are emphasized in the advanced level. *This course includes a major laboratory component.*

**(218) Chemistry**

*Minimum Prerequisites: Standard Biology, Algebra II, concurrent enrollment in Algebra II (or Mathematics and Science teacher recommendation)*

Grade 11

Standard - 1

Credit

The course is designed to prepare the student for a four year college program. The student who is not planning a scientific education will be suitably prepared

to undertake further science course in a liberal arts program. Less emphasis is placed on the mathematical skills utilized in Chemistry. *This course includes a major laboratory component.*

### **(212) AP Chemistry**

Grade 12

AP -1 Cred-

it

*Minimum Prerequisites: The Advanced Placement Chemistry course is to be taken by students after successful completion of a first year course in advanced chemistry, with a grade of "B" or above (or Science teacher recommendation).*

*Note: Only students who have registered and paid for the AP test by November 1st will receive the AP weight of five. Other students will receive the advanced weight of four.*

The Advanced Placement Chemistry course is designed to be the equivalent of an introductory college chemistry class, usually taken by science majors during their first year of college. It will further develop the skills learned in the first year of chemistry and will look at areas of chemistry needed by those students planning to pursue higher levels of science. *Additional laboratory time is scheduled so that the student will have the necessary time to experience college level laboratory work.*

The student is expected to take the AP Exam administered in May and is responsible for the cost of this exam. **In order to receive AP credit for the class, the student must take the AP Exam.** After showing themselves to be qualified on the Advanced Placement Examination, students can receive college credits in chemistry. This would allow them, as college freshmen, to undertake upper-level courses in chemistry or register for courses in which introductory chemistry is a prerequisite.

### **(220) AP Biology**

Grade 12

AP -1 Cred-

it

*Prerequisite: The Advanced Placement Biology course is designed to be taken by students after successful completion of first courses in high school biology and high school chemistry.*

*Note: Only students who have registered and paid for the AP test by November 1st will receive the AP weight of five. Other students will receive the advanced weight of four.*

The Advanced Placement Biology Course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. After showing themselves to be qualified on the Advanced Placement Examination, some students, as college freshmen, are permitted to undertake upper-level courses in biology or register for courses for which biology is a prerequisite. The lab experience utilizes those labs that are experienced by college students. The student is expected to take the AP exam administered in May. The student is responsible for the cost of the AP exam.

### **(221) Biology II**

*Prerequisite: Biology I, recommended-Chemistry*

Grade 10 - 12

Standard - 1 Credit

This is a course for college bound students who desire an advanced science study but who are not necessarily prepared to continue further science study in college. The course is designed to prepare students for introductory college biology. Human anatomy and physiology are emphasized. It is recommended for those students planning a career in nursing or related fields who are not taking Advanced Biology.

### **(223) Physics I**

*Prerequisite: Advanced Algebra II, Advance Physical, Earth and Space Science, Advanced Biology (and departmental approval)*

Grades 11 - 12

Advanced - 1 Credit

This course will provide students with a solid foundation in the fundamentals of physics. The major topics covered in this course are mechanics, sound and light, electricity, and magnetism. The student who plans to pursue a program of study which requires an introductory physics course, will be adequately prepared to undertake such a program. The mathematical application of physics concepts is emphasized in the advanced level. In addition to mastering a conceptual approach to understanding physics, problem-solving skills and computerized laboratory analysis are included.

**(224) Physics I***Prerequisite: Algebra II*

Grades 11 - 12

Standard - 1 Credit

The content of this course is similar to advanced physics with an approach that will maximize the use of students' personal experience in the everyday world, in their everyday language. Any student will enjoy this course and its focus on how our physical environment works. Problem-solving skills are included but are less demanding than in the advanced course.

**(225) Physics II**

*Prerequisite: Physics I and advanced levels of Algebra I and II, Geometry, Chemistry I (and the approval of the department chairpersons in Mathematics and Science). Only those students who have registered and paid for the AP exam by November 1st will receive the AP weight of five. All other will receive the advanced course weight of four.*

Grade 12

AP/Advanced - 1 Credit

This course is intended to be the equivalent of a college introductory physics course usually taken by science or math majors during their first year. It will further develop the skills learned in physics I, and look at areas of physics needed by those students planning to pursue higher levels of science. Additional lab time is provided so that the student will experience college level lab work. The student is expected to take the AP exam administered in May. The student is responsible for the cost of the AP exam.

*Precalculus is recommended.*

**(226) Introductory Chemistry**

Grades 11 - 12

Traditional-1 Credit

This course is offered to a traditional student to fulfill one of the three science credits for graduation. The course is designed to fulfill the needs of an informed young adult by developing the fundamental "take home" knowledge of chemistry. Some topics covered will include types of reactions, acid-base chemistry, electro-chemistry, and environmental chemistry.

**(227) Science (1st Year) - Applied Physics**

**(228) Science (2nd Year) - Bio-Chemistry**

Grades 11 - 12 (two year enrollment)

Standard - 1 Credit (each year)

The Academy Program is a collaborative effort that includes the science, english, history, and mathematics departments. For Applied Physics, grade 11 students will cover the topics of measurement, vectors, force, electricity, projectile motion and other topics related to Newtonian Physics.

For Bio-Chemistry, grade 12 students will cover topics of the chemical basis of life, cell structure and function, cell division, DNA, genetics, human physiology and forensics. Classroom activities will stress hands on lab activities and the application of concepts for real world problem solving.

**(233) Current Issues in Science**

Grades 11 - 12

Standard - 1/2

Credit

This course is intended to relate basic concepts in science with applications to everyday life. Newspaper and periodical articles will be introduced. Topics may include astronomy, ecology, medical and environmental issues, technological and the social aspects of science and their connections to teenagers. Additional topics will be included at the request of the students.

## Social Studies Courses

Social studies is the study of human relationships in all their variations, both past and present, and draws its substance from the disciplines of anthropology, economics, geography, government, history, sociology, and social psychology.

The primary purpose of the social studies program is to provide learning experiences for all students that will lead to the acquisition and development of the knowledge, skills, attitudes, processes, and competencies essential for self-development, positive human relationships, and participation in a representative democracy, a market economy, and a work society.

Each student is expected to acquire firm foundations of academic and personal skills and knowledge. In addition, learn further skills and understandings necessary for entry-level success in post-secondary educational and career endeavors.

### WORLD HISTORY SURVEY

Grade 9

*(See following options)*

*Note: This is a grade 9 course required for all students.*

World History is a required course designed to survey the development of Western Civilization from the earliest civilizations to the present and familiarize the students with the general historical development of their culture. Although the main focus of World History centers on the rise of Western Civilization, attention is also given to cultural developments and achievements of other cultures. The course begins with an introduction to prehistory and prehistoric peoples.

**(308) World History Survey**Grade 9  
Advanced - 1 Credit

Ad-

This level is designed for those students who have displayed exceptional ability in Social Studies courses. The material is studied in great depth, and a large portion of the course requirement is covered by individual research and projects.

**(309) World History Survey**Grade 9  
Credit

Standard - 1

This course is designed for the college-preparatory student. Students in this course are expected to participate in classroom discussions on major events in World History, compare current world problems to relevant past situations, recognize diverse civilizations and list major causes and effects of specified events in World History. The course will also include social studies skills such as map-reading, chart and graph interpretation, selecting facts from a printed page and the development of a written outline.

**(311) World History Survey**Grade 9  
Credit

Traditional - 1

This level is designed for the student who is undecided about going to college. Emphasis will be placed on social studies skills such as map reading, chart and graph interpretation, selecting facts from a printed page and developing a written outline. This course will prepare a student with the basics to enter either a college or vocational course.

**U.S. HISTORY I (1492-1876)****Grade 10***(See following choices)*

*Note: This is a grade 10 course required for all students.*

This course is designed to give a better understanding of our country's earliest times through the Reconstruction period. Particular emphasis is placed on geographical factors, background and causes of events, biographical sketches, the role of African-Americans and other minorities, the Constitution, our concepts of government, and how these concepts and rights were threatened and expanded through the years.

**(313) U.S. History I**

Grade 10

Advanced - 1 Credit

This level is designed for those students who have displayed exceptional ability in Social Studies courses. The material is studied in great depth and a large portion of the course requirement is covered by individual research and projects.

**(314) U.S. History I**

Grade 10

Standard - 1 Credit

This course is designed for the college-preparatory student. Students in this course are expected to identify essential facts of U.S. History from the Age of Exploration the Reconstruction period and through participation in classroom discussions of major events in U.S. History. This course will also include social studies skills such as map-reading, chart and graph interpretation, interpretation of pictures and political cartoons, selecting facts from a printed page and developing a written outline.

**(316) U.S. History I**

Grade 10

Traditional - 1 Credit

This course is designed for the student who is undecided about going to college. Emphasis will be placed on basic social studies skills such as map-reading, chart and graph interpretation, interpretation of pictures and political cartoons, selecting facts from a printed page and developing a written outline. This course will prepare the student with the basics to enter a college or a vocational course.

**U.S. HISTORY II (1876-Present)****Grade 11**

(See following choices)

*Note: This is a grade 11 course required for all students.*

This course covers the period from the end of Reconstruction up to and including the Present. It offers a basic understanding of how some of our present-day issues came into being through past events. The course is relevant to student needs and delves into such topics as industrial development, international and foreign affairs, and how basic concepts of government and our way of life have been preserved, defended, and expanded.

**(333) AP U.S. History**

*Prerequisite: Departmental recommendation and/or approval. Students must take the AP exam in May for a small fee if they want the level 5 credit for the course.*

*Note: Only students who have registered and paid for the AP test by November 1st or enrolled and paid for the EEP credits by February 1st will receive the AP weight of five. Other students will receive the advanced weight of four.*

Grade 10\* - 12 AP Honors

Advanced - 1 Credit

\*Teacher and/or Guidance Counselor recommendation required.

The Advanced Placement Program in U.S. History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. This course will emphasize an in-depth study of the political, economic, social, ideological, cultural and philosophical aspects of U.S. History. Students will focus on primary source material, the interpretation of historical documents and research/writing. The course will closely adhere to the published College Board Advanced Placement curriculum. The course is recommended for students with strong background in writing and history. A fee is required for the Advanced Placement Exam to be administered in the spring through the College Board.

**(340) U.S. History II**

Grade 11

Standard - 1 Credit

This course is designed for the college-preparatory student. Students in this course are expected to identify essential facts of U.S. History from the Reconstruction period to the Present, participate in class room discussions of major events in U.S. History, recognize from Reconstruction to the Present the role of the U.S. in world affairs and to identify democratic principles and practices in U.S. History. This course will also include social studies skills such as map-reading, chart and

graph interpretation, interpretation of pictures and political cartoons, selecting facts from a printed page and developing a written outline.

**(320) U.S. History II**

Grade 11

Traditional- 1 Credit

This course is designed for the student who is undecided about going to college. Emphasis will be placed on basic social studies skills such as map-reading, chart and graph interpretation, interpretation of pictures and political cartoons, selecting facts from a printed page and developing a written outline. This course will prepare a student with the basics to enter either a college or vocational course.

**(321) AP Modern European History**

*Prerequisite: Students **must** take the AP exam in May.*

*Note: Only students who have registered and paid for the AP test by November 1st will receive the AP weight of five.*

Grades 11 - 12\*\*

AP - 1 Credit

In addition to providing a basic exposure to the factual narrative, the goals of the Advanced Placement Program in European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence, and (c) an ability to express that understanding and analysis in writing. At the end of the course, students should have a working knowledge of modern European history, be able to write an essay on the college freshman level, and be prepared for the Advanced Placement examination in European History.

**(326) Introduction to Sociology**

Grades 11- 12

Standard - 1 Credit

Sociology is the study of people and how their society is organized. It is the study of the causes and consequences of human relationships. Topics to be studied include crime, juvenile delinquency, poverty, drug and alcohol abuse, the family, marriage, divorce, roles, mental illness, genetics, minority groups, ethnicity, deviant behavior, culture, status, child abuse, runaways, social mobility, domestic abuse, socialization, holocaust, comparative world religions and world cultures, gun control, capital punishment, community service professions, and resocialization.

This course is open to juniors and seniors. However, it is highly recommended for those students planning to attend college. Individual library research reports will be required each quarter, as well as community-based projects.

**(327) Introduction to Psychology**

Grades 11- 12

Standard - 1 Credit

This course is an introductory course in human psychology. It is centered on the student's realization of human behavior as a dynamic force which shapes personalities and controls the development of an individual's potentiality. Three areas will be studied:

1. Understanding Yourself--personality study, how humans learn, and how humans think.
2. Human Behavior--growth from infancy to adulthood, understanding emotions and understanding the learning and memory processes.
3. Dynamics of Human Behavior--comparison of normal and abnormal personality traits, treatment and prevention of abnormal personality traits.

This course is open to all juniors and seniors. It is recommended for those students planning to attend college. An individual research report will be required each semester.

**(318) U.S. History II EEP/Adv**

*Note: Only students who have registered and paid for the EEP credits by November 1st will receive the courseweight of five. Other students will receive the advanced weight of four.*

Grade 11  
Credit

EEP/Advanced- 1

This level is designed for those students who have displayed exceptional ability in Social Studies courses. The material is studied in great depth, and a large portion of the course requirement is covered by individual research and projects.

This course will follow the guidelines as set forth by Rhode Island College and will follow the curriculum as established by the equivalent Rhode Island College course. Upon successful completion of the course, and payment of a participation fee, students will receive three Rhode Island College credits transferable to other colleges/universities.

### **(300) Contemporary Issues**

Grades 9 -12

Standard - 1/2

Credit

### **PUPIL SERVICES**

Grades 9 - 12 (or age 21)

The Pupil Service programs offered at Burrillville High School combine academic instruction with vocational preparation, career exploration and community job placement. Every attempt is made to provide special services and necessary accommodations within the regular classroom setting.

The ability to successfully function in the community is recognized as the ultimate goal of the program. Therefore, students are encouraged to be active participants in the community in which they live. Academic, vocational, and social skills development, utilize community resources in curriculum planning and implementation.

Admission: A child shall be admitted to a pupil services program if he/she is deemed eligible on the basis of the evaluation process as prescribed by the Rhode Island State Regulations.

The law is very clear with regard to an equal education for all. The Americans with Disabilities Act states the "Local school districts are required to assure that, to the maximum extent appropriate, children with disabilities are to be educated with children who are not disabled. Special classes, separate schooling or other removal of children with disabilities from the regular educational environment occurs only when the nature of severity of the disability is such that education in the regular classes with the use of supplementary aids and services cannot be achieved satisfactorily".

This act requires that students with disabilities have meaningful access to the general curriculum and are included in the general education reform efforts. Accountability and high expectations are the norm for all Burrillville High School students. In order to conform to the regulations as established, students with disabilities are included in the general curriculum and the general and district-wide assessment programs.

Students receiving support from Burrillville High School's Pupil Services Department enroll in general curriculum courses. These courses may include collaborative sections in the core subject areas. Collaborative classes are co-taught by general education teacher(s) and the specialist (special education teacher) in which they share planning, teaching and evaluation within the collaborative setting. Support in these courses is provided based on their individual needs according to their IEP. Core courses, as well as elective courses, may be selected from the general curriculum. Specific programs offered through the Pupil Services Department can be found below.

### Program Offerings

- A. Vocational Programs - Various program options are provided through academic instruction. The degree to which students will participate in the following programs is determined through individual student needs and abilities
- B. Work-Study Programs, grades 9 - 12 or age 21  
These programs provide special education students with actual job training and work experience. Students explore various occupational alternatives through classroom instruction, vocational project activities, on-the-job training and community job placement.

### (712) Life Skills

Grades 9 -12

Level 1 - 1 Credit

*Pre-requisite: Approval of Pupil Services Department*

This course is specifically designed for students with significant special needs who require placement in a self-contained program. Emphasis is on increasing students' independence in routines of personal hygiene, housekeeping, and food preparation. Specific instructional objectives are determined by the student's IEP.

**(714) Pre-Vocational Education**

Grades 9 - 12

Level 1 - 1 Credit

*Pre-requisite: Approval of Pupil Services Department*

This course is specifically designed for students with significant special needs who require placement in a self-contained program. Emphasis is on development of work skills such as simple assembly, sorting, packaging, folding, and counting as well as other work related skills such as on-task behavior, quality control, and increased independence in task performance. Specific instructional objectives are determined by the student's IEP.

**(730) Transition Preparation and Training**

Grades 9 - 11

Level 1 - 1 Credit

*Pre-requisite: Approval of Pupil Services Department*

This course is designed to assist students with disabilities to effectively prepare for the transition process. Topics include developing self-advocacy skills, understanding legal issues related to the IEP, developing "action plans," and learning how to access school and community resources.

Students learn how to apply decision-making strategies to develop post-secondary goals. Instruction is provided by special education teachers, community members, representatives from state agencies, and guidance personnel. Successful completion of the course considers daily assignments, class projects, and semester/final exams. Portfolio assessments demonstrate student performance.

**(715) Study Skills**

Grade 9 - all students

Traditional - 1/2 credit

**Objectives:**

Organize notebook system, plan study time/daily assignment completion, plan long term assignments, meet short and long term due dates, content specific note taking, discriminate between important details and supporting details when taking notes, summarizing techniques, test taking techniques and memory techniques to assist in studying.

**Technology Education Courses**

In today's society all students should become technologically literate in order to become wise decision makers in the 21st century. By developing and understanding the history and impact of technology, students become wise consumers, productive members of our community, and contributors to the forces of change that shape our world.

Through the application of technical skills, knowledge and processes, students should be able to solve problems in a systematic fashion. Coupled with sound work values, habits and attitudes, these skills should provide students with the opportunity to adapt to a changing environment and enhance those abilities related to creative thinking and career development.

**(610) Robotics & Manufacturing Technology**

Grades 9 - 12

Standard -1 Credit

This thorough course will introduce students to Robotics and Manufacturing Technologies. Students will design and manufacture projects using a wide assortment of equipment. Topics to be covered include robotics, machining, and soldering/welding. Robotics will focus on a range of levels from basic systems to operator-controlled and autonomous robots. Using knowledge learned, students will design robots to meet specific challenges. Students will also design robots to compete against other high school teams at the state, and even possibly the national level.

This course will give students a better understanding of the rapidly growing world of robotics and allow them to further pursue Robotics related fields upon graduation from high school. Students will come away from this class with a greater appreciation of science and technology and how they might use them to positively

impact the world around them. In addition, students will cultivate a variety of life skills such as problem solving, brainstorming, teamwork, and leadership, as well as, research and technical skills.

**(612) Woodworking I**

Grades 9 - 12  
Credit

Traditional - 1

Instruction will be given in the fundamental hand tool processes and the basic uses of woodworking machines. These skills are applied in building attractive and useful projects for the home, for recreation, and for individual use. Instruction is also given in simple home maintenance and repair jobs. A study of the materials of industry will be made.

Approach into modern construction, techniques using technological advances in the construction industry, templates from computers, modular construction techniques, prefab assemblies, and survey engineering are all incorporated into this fact-filled advanced course.

**(614) Power and Energy Technology/Auto I**

Grades 9 - 12

Standard - 1 Credit

Power and Energy Technology is one of the new and exciting courses to be added to the Technology Education Department course offerings. In it, students will explore such things as solar, nuclear, internal combustion, and many other forms of energy. Hydraulics, pneumatics, and basic electricity will also be explored in this course. There will be many activities in each of these areas to give students an enjoyable and very informative learning experience. In this course students will build on their knowledge of the automotive engine, its systems, and its maintenance. The systems will be covered in detail and advanced servicing and troubleshooting techniques will be taught. Hands-on experience is stressed. The course is recommended for students interested in the automotive trade.

**(607) Automotives II**

*Prerequisite: Automotives I and Departmental Approval*

Grades 10 - 12

Standard - 1

Credit

In this course students will build on their knowledge acquired in Automotives I regarding the automotive engine, its systems, and its maintenance. The systems will be covered in detail and advanced servicing and trouble shooting techniques will be taught. Hands-on experience is stressed. The course is recommended for students interested in the automotive trade.

### **(617) Computer Aided Drafting I**

Grades 9 - 12

Standard - 1 Credit

it

This course will introduce students to the world of computer aided design. The course will be taught using Auto CAD software on a PC platform. Students will learn how to set up and create drawings using the proper commands and drafting practices. The course will be very challenging and enjoyable.

### **(624) Computer Aided Drafting II**

*Prerequisite: Successful completion of CAD I*

Grades 10 - 12

Advanced - 1 Credit

This course is designed for the successful CAD I student that is interested in acquiring advanced level CAD skills. In this course the student will create competition level drawings with AutoCAD. Students will also explore the world of 3D drawing and solid modeling. Ties to computer assisted Machining will also be covered.

### **(609) Web Page/Flash/2D Animation Development**

Grades 9 - 12

Advanced - 1

Credit

Learn the latest techniques used to create and maintain a dynamic website, including relevant programming languages. Students will use FrontPage software to create their web page. They will also explore how to incorporate digital video and animation into their web page. This course will be challenging and a great

learning experience. It will provide students with a very marketable skill.

(  
**(625) Bio-Technology**

*Note: Only students who have registered and paid for the URI credits by November 1st will receive the course weight of five. Other students will receive the advanced weight of four.*

Grades 10 - 12

Advanced - 1 Credit

This course provides an introduction to Biotechnology and its impact on the environmental and life sciences, medicine, and agriculture. First, the basic question concerning, "What is Life," and "How does it work", are examined. To address these questions, the fundamental mechanics of biological life, DNA, gene expression and cloning are presents in basic layman's terms as a basis for the current applications of modern biotechnological advances in medical, pharmaceuticals, agricultural, environmental, and forensic applications. Applications of recombinant DNA and genetic engineering are explored in these areas that are dramatically affecting our society and future. lastly, the implications of biotechnology to world economy, politics, ecology and ethics are also discussed.

**(650) Engineering Design**

Grades 9 - 12  
credit

Standard - 1

This course will teach the practical application of a variety of Engineering concepts which will include: prblem solving, manufacturing processes, engineering codes and standards, geometric dimensions and tolerances as well as an understanding of how to specify materials for your design. This is the perfect course for the student interested in engineering but for the reasons of scheduling has not been able to take other engineering related electives.

**(651) Animation**

*Note: The curriculum is appropriate for both standard and advanced students.*

Grades 9 - 12  
credit

Advanced - 1

This course will provide students with a solid understanding of LightWave Software. LightWave is the industry standard doe animation and special effects. LightWave

has been used for movies such as Jurassic Park, Titanic, Star Trek, and ABC, ESPN special effects. This will be a challenging course that will provide students with some very marketable skills.

**(660) Video Production**

Grades 9 - 12  
credit

Standard - 1

Video production is a one-year course designed to introduce students to the implications and use of video production technology. This course will focus on the use of cameras and related equipment to produce live and scripted video and solve technical problems associated with the production process. We will also be involved in the creation of commercials that involve the use of animation and special effects. The course will be fast paced. The emphasis will be on technical skills associated with employment in the many aspects of the video production industry.

**(680) Graphic Arts**

Grades 9 - 12  
credit

Standard - 1/2

**(495) Digital Portfolio**

Grade 9  
credit

Standard - 1/4

This course is designed to provide students with the understanding and tools

**Business Education Courses**

**(455) Accounting I**

Grade 10-12

Standard - 1 credit

**(456) Accounting II**

Grade 11-12

Standard - 1 credit

*Prerequisite: Accounting I*

**(458) Business & Marketing**

Grade 9-12

Standard - 1/2 credit

**(467) Business Law**

Grade 9-12

Standard - 1/2 credit