

**MILLBURN TOWNSHIP  
PUBLIC SCHOOLS**

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**MILLBURN HIGH SCHOOL**

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## **GRADUATION REQUIREMENTS**

The attainment of proficiency in basic skills is an integral part of the board's responsibility to provide a thorough and efficient education to students in the State of New Jersey. It is important to the fulfillment of this goal that students share in the responsibility for their own education. Thus, this policy will be distributed to incoming ninth grade students and to their parents so that they are aware of the requirements for graduation from Millburn High School with a state-endorsed diploma. Additionally, requirements for successfully mastering the proficiencies of any particular courses required for graduation will be distributed to students and parents at the start of such courses.

Students who enter the eleventh grade for the first time on or after September 1, 2001 are required to take the High School Proficiency Assessment (HSPA) which was administered for the first time as an operational test in March 2002.

The New Jersey Grade 8 Early Warning Test (EWT) will be administered to all grade eight students to determine if they are making sufficient progress in mastering the skills they will need to pass the grade 11 HSPA.

The following procedure will be used for determining pupil promotion and high school graduation.

### **I. BASIC SKILLS**

- A. Prior to graduation from high school, all students must demonstrate a minimum level of competency in reading, writing, and computation.
- B. The school will administer state examinations in those skills in the eleventh grade pursuant to *N.J.A.C. 6:8-4.2*.
- C. Passage of these examinations is prerequisite to graduation with a state-endorsed diploma. Students who have not reached such a level of competency by the eleventh grade will have the succeeding high school year to achieve it.
- D. Students who are not meeting these standards beginning at the sixth-grade level will be provided an Individual Student Improvement Plan.
- E. Students in remedial programs will be assessed at least once a year to determine their progress.
- F. Students who do not pass one or more sections of the HSPA in their junior year have the opportunity to retake the test in the fall of their senior year. In addition, they must demonstrate their mastery of the required skills through a Special Review Assessment (SRA). In the SRA process, a team of educators determines whether or not the student has mastered enough of the required skills to achieve the equivalent of a passing score on the HSPA. Students involved in this process attend a remedial class which is a part of their regular daily schedule. The school will inform you if your student must receive remedial instruction.

## **II. CURRICULUM PROFICIENCY**

- A. Graduation from Millburn High School with a state-endorsed diploma requires the successful completion of a program of studies in grades nine through twelve and includes:
  - 1. one credit year of communication for each year of enrollment for a minimum of four credit years;
  - 2. three credit years of computation;
  - 3. four credit years of social studies;
  - 4. three credit years of natural or physical science;
  - 5. one credit year of world languages;
  - 6. one credit year of physical education, health and safety for each year of enrollment as required by N.J.S.A. 18A:35-7 et. seq., for a minimum of four credit years;
  - 7. one credit year of fine and performing arts;
  - 8. one credit year career education.
- B. Students must demonstrate proficiency in these areas. They will be advised of alternatives for fulfilling requirements before they plan each year's schedule.
- C. The school will provide opportunity for remediation for students not meeting these levels of proficiency in courses required for graduation.

## **II. ATTENDANCE**

Student participation in all regularly scheduled class meetings is essential for the achievement of the maximum benefits of an educational program. The process of education requires a continuity of instruction and opportunities for students to interact with other students under the direction of qualified teachers. Hence, all students are expected to attend all assigned classes throughout the school year.

Religious holidays and unexpected personal or family circumstances are considered excused absences. However, frequent or prolonged absences or repeated tardiness shall be cause for suspension of a student by the principal or for appropriate legal action by the Board of Education against the family involved.

**IV. CREDIT HOURS**

The minimum requirements for earning the state-endorsed Millburn High School diploma shall consist of receiving a passing grade on the New Jersey High School Proficiency Assessment, successfully completing the required courses, and acquiring the appropriate number of credits in grades nine through twelve as listed below:

**Distribution of Credits:**

	Number of Credits Required for Graduation
Communication/English	20
Health/Physical Education/Safety	20
Social Studies/History	20
Mathematics/Computation	15
Natural/Physical Science	15
Fine & Performing Arts (Art, Music, Theatre, Drama)	5
World Languages	5
Career Education & Consumer, Family and Life Skills	5
Electives	15
<hr/>	
	120

**V. PROMOTION**

The minimum requirements necessary for promotion from the ninth grade are as follows:

- A. All students must successfully pass a minimum of four courses or 20 credits including English/Communication and Health/Physical Education.
- B. Students who fail to meet the above standards must complete any outstanding requirements in a state-accredited summer school or be retained in ninth grade the following year.

## **VI. STUDENTS DENIED GRADUATION**

The administration will report by November 30th to the district board at a public meeting, and the board, in turn, to the Commissioner of Education, the number of students denied graduation on the basis of this policy and the requirements of *N.J.A.C. 6:8-4.2*. Noted as well will be the number of students graduated under the special evaluation procedures.

## **VII. STUDENT COURSE LOADS**

All students are required to pursue a minimum course load of six classes (15 credits) each semester. It is recommended that students elect five academic subjects plus one related arts course and physical education. Some students may wish to elect four academic subjects, two related arts courses, and physical education. Students wishing to pursue a course load of six academic subjects should consult their guidance counselor. No student may take any course more than once for academic credit.

## **VIII. COURSE CHANGE REQUESTS**

Students are encouraged to complete all selected courses. Since staffing needs and class size considerations are determined by initial student course selections, course changes will be made only in the case of a significant change in academic performance. No changes will be made after July 1st.

## **IX. SUMMER SCHOOL COURSES**

Students who enroll in summer school courses may do so for the sole purpose of horizontal enrichment and the enhancement of existing knowledge and skills. No graduation credit, advanced standing, course exemptions, or instructional level changes will be granted as a result of summer study. It will be granted only for remedial work which has been approved by the building principal.

## **PRESENTATION OF CURRICULA**

It is our belief that the consideration of controversial issues has a legitimate place in the instructional process of our school. Periodically, pieces of controversial literature and film will be introduced into the classroom based on the instructional goals of the course of study and the level of maturity of the students concerned. In the spirit of free scholarly inquiry, faculty will draw on information from the broadest feasible range of resources. When such materials are introduced into courses, faculty will apprise students and parents of the content of such materials and provide optional activities for students when necessary.

See: Board of Education Policy 2240

## **INSTRUCTIONAL LEVELS**

In recognition of the abilities, interests, and demonstrated achievements of students, Millburn High School offers classroom instruction on various levels with different academic expectations in order to ensure the greatest academic success for each student. Free choice of subjects is afforded to all students, regardless of their sex, race, religion, color, or national origin. Course assignment to a given level and student placement in a given instructional level are the sole prerogatives of the professional staff and the administration. Instructional level assignments, made each spring for the following school year, may not be changed until the end of the first marking period, except in cases where poor academic achievement necessitates a movement downward.

<b>Advanced Placement</b>	Most academically demanding courses leading to possible college credit. Enrollment in these courses is highly selective.
<b>Accelerated</b>	Courses that in the opinion of the professional staff demand a high academic maturity, interest and ability.
<b>College Prep A</b>	College preparatory courses that have a high academic demand.
<b>College Prep B</b>	General interest courses in which the academic demands are slightly less than those of the College Prep A courses.

## **PLACEMENT CRITERIA**

The sole criterion governing placement at a given instructional level is student academic performance in each subject area.

### **Advanced Placement (AP)**

Students must qualify for all AP courses through a rigorous selection process. Each academic department has established a relevant set of criteria for admission to their offerings. Minimally, students must have an outstanding academic record in the relevant subject, superior teacher recommendations, and a high score on the qualifying examination. Additional criteria are used at departmental discretion. Refer to the relevant course description for a detailed explanation of these criteria.

### **Accelerated (ACC)**

Students assigned to the ACC level must attain a final grade of B or better (not B-) to remain at this level. Those students whose final grade falls below B will be placed at the CPA level.

### **College Prep A (CPA)**

Students assigned to the CPA level who attain a grade of A or A- will be given the option to move to the ACC level. Students who attain grades of C to B+ will remain at this level. Those students whose final grade is C- or below will be placed in the CPB level.

### **College Prep B (CPB)**

Students assigned to the CPB level who attain a final grade of A or A- will be given the opportunity to move to the CPA level. All others will remain at the CPB level.

## **COURSE WEIGHTING**

	1	2	3	4
	<u>AP</u>	<u>ACC</u>	<u>CPA</u>	<u>CPB</u>
A .....	4.67	4.33	4.00	
A- .....	4.33	4.00	3.67	
B+ .....	4.00	3.67	3.33	
B .....	3.67	3.33	3.00	
B- .....	3.33	3.00	2.67	
C+ .....		2.67	2.33	
C .....			2.00	
C- .....			1.67	
D+ .....			1.33	
D .....			1.00	
D- .....			0.67	
F .....			0.00	

Weights are for full year courses. Semester courses carry one-half numerical weight equivalents.

**The more demanding the instructional level, the higher the numerical weight equivalent for each grade.**

Grades of “FAIL,” “WF,” “WC,” AND “WA” are considered “failures.” Where the course has been repeated and passed during the regular school year, the repeated grade will be averaged with the original grade for the calculation of grade point averages. Similarly, a grade achieved in a summer school make-up course is averaged with the original grade. However, the average of these two cannot exceed the numerical equivalent of a “C.”

Students who wish to withdraw from a course must do so prior to the end of its first marking period to avoid a WP or WF as a final grade. A final grade of WF will be included on all transcripts.

Millburn High School does not rank its students. A grade point average for students is calculated using grades from sophomore year through first semester of senior year. Students in attendance less than two semesters by June of the eleventh grade or less than three semesters at mid-year of the twelfth grade will receive a grade point average based only on credits earned at Millburn High School and will not be eligible for consideration as highest honors speakers in their senior year. All grade point averages based on work done at Millburn High School through the first semester of twelfth grade are recorded on official transcripts and are used to determine honors or high honors designations.

To determine the grade point average: (1) total the numerical weight equivalent for each course (by instructional level), (2) total the credits, (3) divide the numerical weight equivalent by the total number of credits. The resultant figure is the grade point average, or GPA.

## **GRADING SYSTEM**

The following grades are used on report cards (plus and minus designations utilized):

A .....	= .....	Excellent
B .....	= .....	Good
C .....	= .....	Average
D .....	= .....	Below Average
D- .....	= .....	Lowest Passing
FAIL ..	= .....	Failing
INC ...	= .....	Incomplete
H .....	= .....	Honors
S .....	= .....	Satisfactory
P .....	= .....	Pass
WP ...	= .....	Withdrawn Passing
WF ...	= .....	Withdrawn Failing
WA ...	= .....	Withdrawn Absent
WC ...	= .....	Withdrawn Cutting

## **PROCEDURE FOR CHANGING INSTRUCTIONAL LEVELS AND AVERAGING FINAL GRADES**

Students recommended by the school to move to a higher instructional level in a full year course must do so no later than one week after the issuance of first marking period report cards. Students must post a grade of 'A' during the first marking period to be eligible. The final grade for the course will be computed by averaging grades from the second, third and fourth marking periods, together with mid-year and final examination grades (using the weighting formula outlined in the Student/Parent Handbook) and dividing by eight (8) rather than by ten (10).

Students recommended by the school to move to a lower instructional level in a full year course must do so no later than five days following the issuance of second marking period interim reports in December. The final grade for the course will be computed by averaging grades from the second, third and fourth marking periods, together with mid-year and final examination grades (using the weighting formula outlined in the Student/Parent Handbook) and dividing by eight (8) rather than by ten (10).

## **ACADEMIC HONORS**

Academic honors are distributed thusly:

Top 10% .....	HIGH HONORS
Top 30% .....	HONORS



## **FINAL EXAMINATION EXEMPTIONS**

Seniors who meet the following criteria in a given course will be exempt from the final examination in that course. To qualify, a senior must:

- maintain a 'B-' average in an AP or ACC course or a 'C' average in a CPA or CPB course.
- receive no marking period grade lower than a 'C' in either the third or fourth marking period.
- be free of detention for disciplinary reasons.
- not exceed a total absence of '7' during the second semester (excluding religious holidays & school related activities).
- have no more than '2' unexcused tardies/'4' excused tardies.
- have no cuts.

The final determination of exemption will be the prerogative of the classroom teacher and will be announced at the last class meeting prior to the beginning of the final examination in June.

This rule does not apply to midterm examinations or for semester courses ending in January.

## **ADVANCED PLACEMENT COURSES**

Millburn High School offers a wide variety of Advanced Placement courses in the various disciplines. Students may apply for selection to as many courses as they wish after consultation with the counselor. An outstanding academic record in accelerated level courses is considered a prerequisite for selection. Students interested in applying for selection must take the departmental qualifying test in the appropriate academic discipline(s). Teacher recommendations, superior academic performance in the given discipline, writing and speaking samples, entrance examinations, and other criteria are used at departmental discretion in determining those to whom invitations are extended.

**All students who are selected and who take Advanced Placement courses are required to take the Advanced Placement Examinations in May.** Students who do not take the May examination will not receive AP credit or weighting. The school reserves the right to drop students from an AP course when their grade drops below B- in a given marking period.

No student will be permitted to take more than eight AP courses for weighted credit. In sophomore year, no more than two courses may be taken for weighted credit. In junior year, no more than three courses may be taken for weighted credit. In senior year, no more than four courses may be taken for weighted credit. Any student enrolling in AP courses beyond the numbers permitted for weighting will be given the opportunity to determine which courses will be weighted. The decision must be made by the conclusion of the first marking period and may not be reversed.

## **SPECIALIZED PROGRAMS**

### **INDEPENDENT STUDY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: N.R.**

**Prerequisite: Administrative Approval**

In particular cases, some students may qualify for an Independent Study program in certain academic subject areas. Upon consultation with the teacher/sponsor, the department supervisor, and the guidance staff, permission may be granted by the principal to pursue this course of study for a marking period, semester, or year for varying credits. Details may be secured from the guidance staff.

All students who elect courses that are not regularly offered in the Millburn High School curriculum, pay the fees, registrations, and tuitions, and meet the requirements as stated and approved in an Independent Study Contract, may be awarded credit. In some cases credit may not be awarded, yet in all cases the report of accomplished work is reflected on the transcript. Grades earned through independent study in courses not regularly offered at Millburn High School do not count and will be recorded as either S (Satisfactory) or U (Unsatisfactory).

### **BASIC SKILLS INSTRUCTION - READING, WRITING, MATH**

**Semester Course**

**Level of Instruction: N.R.**

**Prerequisite: State Testing Results**

This course is designed principally to reinforce skills included on the HSPA, and is required for students who have either not passed the HSPA or demonstrated a likelihood that they will not pass the test. Successful passage of the HSPA is a graduation requirement.

### **ENGLISH AS A SECOND LANGUAGE**

**Year Course**

**Level of Instruction: N.R.**

**Prerequisite: Screening and Testing**

This course is designed to assist students with limited English facility to function adequately in class and in society. Individualized instruction is offered, and three sections are available: Beginning, Intermediate and Advanced.

# ENGLISH



## ENGLISH

### REQUIREMENTS FOR GRADUATION

To earn a Millburn High School diploma, each student must successfully complete a full year of English 9 as a freshman, a full year of American Literature as a sophomore, a full year of British Literature as a junior, and two English semester electives or one full year English AP class as a senior. **Beginning with the class of 2009**, each student also must successfully complete one of the following electives: Techniques of Writing, Expository Writing, Advanced Expository Writing, Fiction Writing 1, AP Language and Composition, or AP Literature and Composition.

**Students are encouraged** to take more than one English course per semester by selecting from the wide variety of English electives.

**Students are strongly encouraged** to take Techniques of Writing during their freshman or sophomore year.

### THE ENGLISH PROGRAM

#### **FRESHMAN YEAR**

##### **Required Course:**

Electives:

**English 9** (CPB, CPA, ACC)

Fiction Writing Seminar 1 & 2 (CPA & ACC)

Humanities (ACC) *(07-08)*

Russian Literature (ACC) *(07-08)*

Techniques of Writing (CPA & ACC)

World Literature (ACC)

#### **SOPHOMORE YEAR**

##### **Required Course:**

Electives:

**American Literature** (CPB, CPA, ACC)

Art of Biography (CPA & ACC)

Asian Literature (ACC) *(06-07)*

Contemporary Literature (CPA) *(06-07)*

Fiction Writing Seminar 1 & 2 (CPA & ACC)

Humanities (ACC) *(07-08)*

Modern Dramatic Literature (CPA & ACC)

Russian Literature (ACC) *(07-08)*

Techniques of Writing (CPA & ACC)

World Literature (ACC)

World Literature (CPA) *(07-08)*

#### **JUNIOR YEAR**

##### **Required Course:**

Electives:

**British Literature 1 & 2** (CPB, CPA, ACC)

AP Language and Composition (AP)

Advanced Expository Writing (ACC)

Art of Biography (CPA & ACC)

Asian Literature (ACC) *(06-07)*

Contemporary Literature (CPA) (06-07)  
 Expository Writing (CPA)  
 Fiction Writing Seminar 1 & 2 (CPA & ACC)  
 Humanities (ACC) (07-08)  
 Mass Media (ACC)  
 Modern American Writers 1 & 2 (ACC)  
 Modern Dramatic Literature (CPA & ACC)  
 Russian Literature (ACC) (07-08)  
 Shakespeare (ACC) (06-07)  
 World Literature (ACC)  
 World Literature (CPA) (07-08)

## **SENIOR YEAR**

### **Required Courses:**

### **Two electives or one AP class**

Advanced Placement:

AP Language and Composition  
 AP Literature and Composition

ACC Electives:

Advanced Expository Writing  
 Art of Biography  
 Asian Literature (06-07)  
 Fiction Writing Seminar 1 & 2  
 Humanities (07-08)  
 Mass Media  
 Modern American Writers 1 & 2  
 Modern Dramatic Literature  
 Russian Literature (07-08)  
 Shakespeare (06-07)  
 World Literature

CPA Electives:

Art of Biography  
 Communications  
 Contemporary Literature (06-07)  
 Expository Writing  
 Fiction Writing Seminar 1 & 2  
 Modern Dramatic Literature  
 World Literature (07-08)

## ENGLISH COURSE OFFERINGS

### ADVANCED PLACEMENT LEVEL

#### ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisites: 1) Juniors: a grade of B+ or better in British Lit. 1 and 2 ACC; Sophomores: a grade of B+ or better in American Lit. ACC. 2) Superior performance on department test of reading and writing skills.**

This Advanced Placement offering is comparable to a freshman college course in English composition. Students read several works during the summer and keep a journal of their responses. The journal is maintained during the year as students continue a program of predominantly nonfiction readings from a variety of disciplines. The core of the course is a study of various rhetorical modes combined with continued writing practice based on models offered by various texts. Students work with such forms as narration, cause and effect, analogy, and argument. They learn to read and write effectively, giving special attention to purpose, audience, diction, syntax, imagery, and tone. The class is conducted as a seminar; students participate fully in discussions and share their writing with classmates. Students may take this course concurrently with British Literature 1 and British Literature 2 ACC. Students must sit for the AP Exam in Language and Composition.

#### ADVANCED PLACEMENT LITERATURE AND COMPOSITION

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisites: 1) a grade of B+ or better in British Lit. 1 and 2 ACC. 2) Superior performance on department test of reading and writing skills.**

This course is comparable to the first year of college English. Students read several complete works during the summer and continue independent reading throughout the year. Readings include novels, poems, plays, and essays by authors such as Albee, Bronte, Conrad, Dickens, Dostoyevsky, Hardy, Ibsen, O'Neill, Shakespeare, Walker, Wright, and Yeats. In a seminar environment, students acquire an extensive literary vocabulary and refine their skills in interpretation and evaluation. Students also write frequently, both in and out of class. Upon successful completion of the AP Exam, students may be eligible to receive up to a full year of credit for college English. Typically, students who take AP English enjoy reading, participate actively and regularly in class discussions, readily accept responsibility for completing independent assignments, and have a sincere desire to improve their writing skills. Students must sit for the AP Exam in Literature and Composition.

## **ACCELERATED LEVEL**

In Accelerated courses, students read a wide array of challenging works, with an emphasis on whole texts. They also undertake independent reading-both in and out of class-as they learn to analyze literature, synthesize issues, evaluate ideas, and construct articulate written and oral responses. The central language arts skills of reading, writing, listening, speaking, and critical viewing are refined through guided practice, independent effort, and group projects. A substantial research paper is required of freshmen, sophomores, and juniors in the core Accelerated courses.

### **REQUIRED ENGLISH COURSES - ACCELERATED LEVEL**

#### **ENGLISH 9**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**English 9** focuses on the five elements of the language arts: reading, writing, speaking, listening, and critical viewing. Students explore a wide range of challenging literature found in short stories, novels, drama, nonfiction, and poetry. Parallel, independent reading assignments are also given. Instruction and practice in writing concentrate on a variety of modes and teach the conventions of standard English: vocabulary, grammar, usage, and punctuation. Students improve their critical thinking skills, give oral presentations, develop study skills, and write a research paper.

#### **AMERICAN LITERATURE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

Whether the teacher chooses a chronological or thematic course structure, **American Literature** explores literature and culture from the Puritan era through the twentieth century through textual analysis, critical discussion, expository and creative writing assignments, and multimedia projects. Students are accountable for analyzing and interpreting the unique aspects of an existing and emerging American canon, including poetry, drama, fiction, nonfiction, and film. The course culminates in a full-length critical research paper that allows students to explore an author's work in depth and demonstrate critical reading and writing skills.

#### **BRITISH LITERATURE 1**

**First Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**British Literature 1** surveys British literature from the Anglo-Saxon period through the sixteenth century. Selections of literature are taken from the major periods: the Anglo-Saxons, the Middle Ages, the Renaissance, the sixteenth century. Various literary genres are studied and analyzed, not only as forms, but also as reflections of the philosophical, historical, and psychological temper of the times. The course focuses on specific literary works and examines the interrelationships among these works. The writing component engages students in composing critical and interpretive essays.

## **BRITISH LITERATURE 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**British Literature 2** surveys British literature from the seventeenth century to the twentieth century. Selections are taken from the major periods: the Age of Reason, the Romantics, the Victorians, the modern era. Various literary genres are studied and analyzed, not only as forms, but also as reflections of the philosophical, historical, and psychological temper of the times. Continuing the format of British Literature 1, the course focuses on specific literary works and examines the interrelationships among these works. The writing component engages students in writing critical and interpretive essays and a critical research paper.

## **ELECTIVE ENGLISH COURSES - ACCELERATED LEVEL**

### **ADVANCED EXPOSITORY WRITING**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 11 & 12**

**Advanced Expository Writing** emphasizes nonfiction reading and writing across the curriculum. The purpose of the course is to examine specific models of expository writing. Major rhetorical modes analyzed and practiced include narration, description, persuasion, definition, comparison and contrast, exemplification, classification, cause and effect, and argumentation. Students develop a personal writing style and refine their skills and strategies for a variety of writing purposes as they engage independently and collaboratively in all stages of the writing process.

### **ART OF BIOGRAPHY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 10-12**

**Art of Biography** provides students with an opportunity to read full-length contemporary biographies and autobiographies as well as works in related subgenres, such as memoir, journal, diary, and true crime. Readings present the lives of people in a variety of fields, such as literature, art, science, politics, sports, and entertainment. Students learn the history of biography as a literary genre, the characteristics of biography and autobiography, the processes used in writing biography and autobiography, and the distinctions among various types of biographical works. Students write about the works they read and also engage in biographical research and writing.



## **ASIAN LITERATURE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 10-12**

**Offered in 2006-2007 and in alternate years**

**Asian Literature** will help students gain an appreciation of the literary and cultural traditions of China and Japan, first through a survey of early cultural and religious myths and then through a study of more contemporary works. Students will trace mythological and thematic trajectories from earlier to later works by examining different literary genres and subgenres, such as epic, scripture, drama, poetry, fiction, and nonfiction. Readings will be historically and geographically contextualized.

## **FICTION WRITING SEMINAR 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 9-12**

Structured as a writer's workshop, **Fiction Writing 1** provides a stimulus and outlet for the production of original fiction. Students study the elements of fiction as seen in the works of professional writers. They practice creating fictional elements such as setting, character, and plot. Finally, they produce their own fully developed fiction, taking several pieces through all stages of the writing process. This course requires reading and analysis; however, the primary emphasis is on the production of original works. These works are shared with and critiqued by the writer's peers in a seminar setting.

## **FICTION WRITING SEMINAR 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Fiction Writing 1**

**Fiction Writing 2** builds on the skills acquired in Fiction Writing 1. Students continue working on the elements of fiction, but the emphasis of the course is on plot and the production of full-length fiction. Using contemporary professional stories as models, students work on aspects of plot such as conflict, crisis, resolution, alternation of action and exposition, and scene arrangement. In a workshop atmosphere, students develop critiquing, revising, and editing skills as their stories evolve from idea to finished product. Attention is also given to style. Each student keeps a writer's journal and engages in ongoing self-assessment. Students continue to explore markets for fiction and to submit work for publication.

## **HUMANITIES**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 9-12**

**Offered in 2007-2008 and in alternate years**

**Humanities** is an interdisciplinary study of the arts in the twentieth century. Class readings, discussions, and writing experiences encourage students to see relationships among various creative fields and to evaluate the influence of history and current events on the arts. Students read works by authors such as Carver, Faulkner, Hemingway, Joyce, and Vonnegut; they study art movements such as impressionism, cubism, surrealism, abstract expressionism, and minimalism. Presentations and articles about other fields—for example, music and architecture—enrich students' understanding of the twentieth century. Whenever possible, audiovisual materials supplement the curriculum.

## **MASS MEDIA**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 11 & 12**

**Mass Media** is a thematically structured course that focuses on the latest ideas and developments in the rapidly changing field of mass media and technology. It also explores the effect of media on the learning process. Students study media manipulation in the fields of broadcast journalism, advertising, television, photography, and film. In addition to increasing their ability to understand and critically assess new information presented by the media, students enhance their ability and potential as communicators by creating original short feature videos, photo essays, and documentaries.

## **MODERN AMERICAN WRITERS 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 11 & 12**

**Modern American Writers 1** examines philosophical, social, and cultural issues raised in American fiction and drama during the 1920s, 1930s, and 1940s. The course begins with discussion of the distinctive characteristics of American literature and then concentrates on works of authors who have received both popular and critical acclaim, such as F. Scott Fitzgerald, Lillian Hellman, Ernest Hemingway, Arthur Miller, Dorothy Parker, and Tennessee Williams.

## **MODERN AMERICAN WRITERS 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 11 & 12**

**Modern American Writers 2** examines philosophical, social, and cultural issues raised in American fiction and drama during the second half of the twentieth century. Students explore literary movements and artistic techniques as they respond to works of authors such as Edward Albee, Raymond Carver, John Cheever, John Irving, Joyce Carol Oates, Philip Roth, J.D. Salinger, John Updike, Kurt Vonnegut, Alice Walker, and August Wilson.

## **MODERN DRAMATIC LITERATURE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 10-12**

Drama is a powerful form of communication that engages both reader and viewer through action and dialogue by presenting human stories and revealing human emotions. **Modern Dramatic Literature** involves students in understanding the creative processes of this art form. The course begins with an overview of theater history, starting with the Ancient Greeks, evolving into what we call Modern Drama. By reading a variety of modern acclaimed plays, students (1) explore the cultural and historical development of drama, (2) study a cross-section of modern dramatists, (3) read and critically analyze selected plays, (4) write critical responses to plays, and (5) examine drama as literature bound for performance, through improvisation, skits, and/or small group work.

## **RUSSIAN LITERATURE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 9-12**

**Offered in 2007-2008 and in alternate years**

In **Russian Literature**, students study some of the greatest Russian authors and develop an appreciation for the richness, diversity, and uniqueness of their writings. Integral to an understanding of this literature is a knowledge of the biographical, historical, social, and political background from which the literature arises. Units include Chekhov, Gogol, Pushkin, Tolstoy, Turgenev, and modern Russian poets.

## **SHAKESPEARE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 11 & 12**

**Offered in 2006-2007 and in alternate years**

**Shakespeare** presents an opportunity for students to explore major works of William Shakespeare and to examine the effects of his life and times on his development as a playwright and poet. Students study a significant number of Shakespeare's plays and selected sonnets; the comedies, tragedies, and histories are all represented. In-depth discussions and analytical writing are integral parts of the course.

## **TECHNIQUES OF WRITING**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 9 & 10**

**Techniques of Writing** emphasizes expository writing (e.g., paragraphs, essays, research reports). Students practice all stages of the writing process and refine their revising and editing skills (e.g., grammar, usage, punctuation, sentence structure, word choice). Students read and comment on published essays for attitude/voice and figurative language. SAT Question of the Day and Writing section issues are discussed. In a workshop setting, each student addresses individual writing problems.

## **WORLD LITERATURE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 9-12**

In **World Literature**, students develop an understanding of the significant contributions diverse cultures have made to world literature. They gain sympathetic insight into the ideas and spirit of other peoples and develop an appreciation of the universal themes common to literature from other times and places. Units include literature of the ancient world (Oriental, Greek, Hebrew), literature of modern Europe, and literature of the East. Film, music, and art are sometimes used to exemplify, enhance, and extend these themes.

## **COLLEGE PREP A LEVEL**

In CPA courses, students read a wide array of whole and excerpted texts-both in and out of class. Students develop reading and writing strategies that enable them to extend their understanding and to write clear, thoughtful, well-organized responses to course and self-selected readings. Through group and individual assignments that foster the central language arts skills of reading, writing, listening, speaking, and critical viewing, students learn to analyze, synthesize, and evaluate information and ideas from a variety of sources. Oral reports, expository essays, creative and personal responses to literature, and individual research projects are general course requirements for freshmen, sophomores and juniors in the core CPA courses.

### **REQUIRED ENGLISH COURSES - COLLEGE PREP A LEVEL**

#### **ENGLISH 9**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**English 9** focuses on the five elements of the language arts: reading, writing, speaking, listening, and critical viewing. Students explore a wide range of challenging literature found in short stories, novels, drama, nonfiction, and poetry. Parallel, independent reading assignments are also required of students. Instruction and practice in writing concentrate on a variety of writing modes and teach the conventions of standard English: vocabulary, grammar, usage, and punctuation. Students improve their critical thinking skills, give oral presentations, and develop research and study skills.

#### **AMERICAN LITERATURE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

Whether the teacher chooses a chronological or thematic course structure, **American Literature** explores literature and culture from the Puritan era through the twentieth century through textual analysis, critical discussion, expository and creative writing assignments, and multimedia projects. Students are accountable for analyzing and interpreting the unique aspects of an existing and emerging American canon, including poetry, drama, fiction, nonfiction, and film. The course culminates in a full-length critical research paper that allows students to explore an author's work in depth and demonstrate critical reading and writing skills.

## **BRITISH LITERATURE 1**

**First Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**British Literature 1** surveys British literature from the Anglo-Saxon period through the sixteenth century. Selections of literature are taken from the major periods: the Anglo-Saxons, the Middle Ages, the Renaissance, the sixteenth century. Various literary genres are studied and analyzed, not only as forms, but also as reflections of the philosophical, historical, and psychological temper of the times. The course focuses on specific literary works and examines the interrelationships among these works. The writing component engages students in writing critical and interpretive essays.

## **BRITISH LITERATURE 2**

**Second Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**British Literature 2** provides students with an opportunity to extend their knowledge of British literature acquired during British Literature 1. As they cover the seventeenth through the twentieth centuries, students learn about the major periods: the Age of Reason, the Romantics, the Victorians, the modern era. Various literary genres are studied and analyzed, not only as forms, but also as reflections of the philosophical, historical, and psychological temper of the times. The strong writing component during this semester assists students in writing analytical and interpretive essays and a critical research paper.

## **ELECTIVE ENGLISH COURSES - COLLEGE PREP A LEVEL**

### **ART OF BIOGRAPHY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 10-12**

**Art of Biography** provides students with an opportunity to read full-length contemporary biographies and autobiographies as well as works in related subgenres, such as memoir, journal, diary, and true crime. Readings present the lives of people in a variety of fields, such as literature, art, science, politics, entertainment, and sports. Students learn the history of biography as a literary genre, the characteristics of biography and autobiography, the processes used in writing biography and autobiography, and the distinctions among various types of biographical works. Students write about the works they read and also engage in biographical research and writing.

## **COMMUNICATIONS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grade 12**

In **Communications**, students explore the effects of various mass media (newspapers, magazines, radio, television, film, advertising, etc.) on American culture. Students examine and evaluate techniques of media manipulation in the fields of advertising, television, and film. In addition to increasing their ability to respond thoughtfully and critically to information presented daily by the mass media, students enhance their communication skills by creating commercials, short feature videos, and photo essays.

## **CONTEMPORARY LITERATURE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 10-12**

**Offered in 2006-2007 and in alternate years.**

In **Contemporary Literature**, students encounter a wide array of genres (e.g., stories, novels, poems, plays, films, songs, visual arts) as they explore artistic treatment of contemporary political, ethical, social, and cultural issues.

## **EXPOSITORY WRITING**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 11 & 12**

**Expository Writing** emphasizes nonfiction reading and writing across the curriculum. The purpose of the course is to examine specific models of expository writing. Major rhetorical modes analyzed and practiced include narration, description, persuasion, definition, comparison and contrast, exemplification, classification, cause and effect, and argumentation. Students develop a personal writing style and refine their skills and strategies for a variety of writing purposes as they engage independently and collaboratively in all stages of the writing process.

## **FICTION WRITING SEMINAR 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

Structured as a writer's workshop, **Fiction Writing 1** provides a stimulus and outlet for the production of original fiction. Students study the elements of fiction as seen in the works of professional writers. They practice creating fictional elements such as setting, character, and plot. Finally, they produce their own fully developed fiction, taking several pieces through all stages of the writing process. This course requires reading and analysis; however, the primary emphasis is on the production of original works. These works are shared with and critiqued by the writer's peers in a seminar setting.

## **FICTION WRITING SEMINAR 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Fiction Writing Seminar 1**

**Fiction Writing 2** builds on the skills acquired in Fiction Writing 1. Students continue working on the elements of fiction, but the emphasis of the course is on plot and the production of full-length fiction. Using contemporary professional stories as models, students work on aspects of plot such as conflict, crisis, resolution, alternation of action and exposition, and scene arrangement. In a workshop atmosphere, students develop critiquing, revising, and editing skills as their stories evolve from idea to finished product. Attention is also given to style. Each student keeps a writer's journal and engages in ongoing self-assessment. Students continue to explore markets for fiction and to submit work for publication.

## **MODERN DRAMATIC LITERATURE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 10-12**

Drama is a powerful form of communication that engages both reader and viewer through action and dialogue by presenting human stories and revealing human emotions. **Modern Dramatic Literature** involves students in understanding the creative processes of this art form. The course begins with an overview of theater history, starting with the Ancient Greeks, evolving into what we call Modern Drama. By reading a variety of modern acclaimed plays, students (1) explore the cultural and historical development of drama, (2) study a cross-section of modern dramatists, (3) read and critically analyze selected plays, (4) write critical responses to plays, and (5) examine drama as literature bound for performance, through improvisation, skits, and/or small group work.

## **TECHNIQUES OF WRITING**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9 & 10**

**Techniques of Writing** emphasizes expository writing (e.g., paragraphs, essays, research reports). Students practice all stages of the writing process and refine their revising and editing skills (e.g., grammar, usage, punctuation, sentence structure, word choice). Students read and comment on published essays for attitude/voice and figurative language. SAT Question of the Day and Writing section issues are discussed. In a workshop setting, each student addresses individual writing problems.



## **WORLD LITERATURE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 10-12**

**Offered in 2007-2008 and in alternate years**

In **World Literature**, students explore and evaluate significant contributions of diverse cultures to world literature. Students respond through class discussion, analytical writing, and reading logs as they gain sympathetic insight into the ideas and spirit of other peoples and develop an appreciation of universal themes. Film, music, and art are used to exemplify, enhance, and extend these themes.

## **COLLEGE PREP B LEVEL**

CPB courses focus on the central language arts skills of reading, writing, listening, speaking, and critical viewing. Students read a variety of whole and excerpted texts to extend their comprehension skills and enhance their response strategies. While time is allocated for guided practice, students are also expected to develop independent reading and writing abilities. Students master the conventions of standard written English, focus on the clear expression of ideas, and develop a strong personal voice by writing for a variety of audiences and purposes. Students also develop research skills and write a fully developed research report during the freshman, sophomore, and junior years of the core CPB courses.

## **REQUIRED ENGLISH COURSES - COLLEGE PREP B LEVEL**

### **ENGLISH 9**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPB**

**Prerequisite: Departmental Recommendation**

**English 9** focuses on the five elements of the language arts: reading, writing, speaking, listening, and critical viewing. Students explore a wide range of literature found in short stories, novels, drama, nonfiction, and poetry. Parallel, independent reading assignments are required of students. Instruction and practice in writing concentrate on a variety of writing modes and teach the conventions of standard English: vocabulary, grammar, usage, punctuation. Students are supported individually as they develop critical thinking strategies, give oral presentations, and improve research and study skills.

## **AMERICAN LITERATURE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPB**

**Prerequisite: Departmental Recommendation**

**American Literature** embraces the full range of American literature, with particular emphasis on more contemporary works. Students will encounter a variety of genres, authors, and points of view. The course includes a continuing emphasis on the skills and strategies involved in critical reading and effective writing. In addition to focusing on vocabulary development and study skills, students engage in library research and produce a research project.

## **BRITISH LITERATURE 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPB**

**Prerequisite: Departmental Recommendation**

**British Literature 1** is taught chronologically and thematically. The Anglo-Saxons, the Middle Ages, the Renaissance, and the sixteenth and seventeenth centuries are focal points of the course. The course is organized around basic themes: the self, the hero, love, society and the state, society at war, society and nature. Emphasis is placed on analysis of specific literary texts and on the relationships among various texts. Students are supported individually in developing and refining their writing skills.

## **BRITISH LITERATURE 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPB**

**Prerequisite: Departmental Recommendation**

**British Literature 2** is an extension of British Literature 1. The course is taught chronologically and thematically; the Romantics, the Victorians, and modern writers are focal points. The course is organized around basic themes: the self, the hero, love, society and the state, society at war, society and nature. Emphasis is placed on the analysis of specific literary texts and the relationships among various texts. Particular attention is given to writing during this semester, and students are assisted individually in developing proficiency as writers.

# Social Studies

*"Promote, then as an object of primary importance, institutions for the general diffusion of knowledge."*

*"In proportion as the structure of a government gives force to public opinion, it is essential that public opinion be enlightened."*

George Washington

*"Little strokes  
Fell great oaks."*

Benjamin Franklin

*"But what is government itself, but the greatest of all reflections on human nature? If men were angels, no government would be necessary. If angels were to govern men, neither external nor internal controls on government would be necessary."*

James Madison

*"Fellow citizens, we cannot escape history."*

Abraham Lincoln

*"The ideas of economists and political philosophers, both when they are right and when they are wrong, are more powerful than is commonly understood. Indeed the world is ruled by little else."*

John Maynard Keynes

*"You gain strength, courage and confidence by every experience in which you really stop to look fear in the face. You are able to say to yourself, 'I have lived through this horror. I can take the next thing that comes along.'...You must do the thing you think you cannot do."*

Eleanor Roosevelt



## **SOCIAL STUDIES**

### **REQUIREMENTS FOR GRADUATION**

The Social Studies Department believes that our offerings provide students with a wide variety of challenging and rewarding courses. Past experience has shown that the student who includes more than the minimum of Social Studies courses in a program develops skills and understanding that make for a more successful college applicant and a more effective citizen. In that spirit, you are urged to carefully examine the offerings at each level. All of them are designed to help you acquire effective reading, writing, and oral communication skills as well as those essential to the study of history, government, economics, and psychology.

Below is a brief description of departmental requirements.

#### **FRESHMAN YEAR**

*Required of all students:*

World History

#### **SOPHOMORE YEAR**

*Required of all students:*

United States History I

#### **JUNIOR YEAR**

*Required of all students:*

Twentieth Century American History

#### **SENIOR YEAR:**

*Required of all students:\**

Global Issues (one semester)

Elective (one semester)

#### **First Semester**

Ages & Ideas ACC/CPA  
American Government ACC/CPA  
Applications of Psychology CPA  
East Asian Studies ACC/CPA  
Economics ACC/CPA  
Film & Society CPA  
Global Issues ACC/CPA  
Law & Society ACC/CPA  
Modern European History ACC/CPA  
Psychology 1 ACC/CPA

#### **Second Semester**

American Government ACC/CPA  
American Social and Cultural  
History ACC/CPA  
Applications of Psychology CPA  
East Asian Studies ACC/CPA  
Economics ACC/CPA  
Film & Society CPA  
Global Issues ACC/CPA  
Law & Society ACC/CPA  
Psychology 2 ACC/CPA

\* Students selected for an AP Social Studies course during their senior year are exempted from these two requirements.

## **ABILITY LEVELS OF SOCIAL STUDIES PROGRAM OFFERINGS**

### **ADVANCED PLACEMENT**

European History  
U.S. History  
U.S. Government and Politics  
Art History  
Economics  
Psychology

### **ACCELERATED**

**World History**  
**U.S. History I**  
**Twentieth Century American History**  
**Global Issues**  
Ages & Ideas  
American Government  
American Social and Cultural History  
East Asian Studies  
Economics  
Law & Society  
Modern European History  
Psychology 1  
Psychology 2

### **COLLEGE PREPARATION A**

**World History**  
**U.S. History I**  
**Twentieth Century American History**  
**Global Issues**  
Ages & Ideas  
American Government  
American Social and Cultural History  
Applications of Psychology  
East Asian Studies  
Economics  
Film & Society  
Law & Society  
Psychology 1  
Psychology 2  
Western Hemisphere

### **COLLEGE PREPARATION B**

**World History**  
**U.S. History I**  
**Twentieth Century American History**

Note: Semester electives are open to students in grades 9-12 with the following exceptions: American Government, American Social & Cultural History, East Asian Studies, and Modern European History are offered to grades 10-12. Global Issues, Economics and Law & Society are offered to grades 11-12. Psychology courses are offered only to grade 12.

## **REQUIRED COURSES**

### **WORLD HISTORY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Placement by Departmental Recommendation**

**Required of 9th grade students**

Designed to build on and deepen past learnings, this course will focus on history and historical interactions by investigating significant areas of both Western and non-Western civilizations. Students will be introduced to the causal relationships that bind the past to the present and will examine similarities and differences among cultures as seen in political, social, and cultural events. During the year students will also review and enhance those social studies skills necessary for critical thinking and evaluation.

## **UNITED STATES HISTORY I**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Placement by Departmental Recommendation  
Required of 10th grade students**

The first two semesters of a required four semesters of American History, this course traces the growth of the United States from its beginnings to its appearance as a major industrial power at the end of the Civil War. Major emphasis is on the development of American political institutions and the creation of a functioning American nation. The first semester covers the birth and the early years of the Republic; the second deals with the conflicts between sectional and national forces. The relevance of past historical experience to present day American life is a recurrent theme of the course. While the subject matter is basically the same at all levels, the approach and selection of materials vary. Accelerated **United States History I** presumes a high degree of interest and superior academic skill. Teacher and class composition at all levels may change at the end of the first semester.

## **TWENTIETH CENTURY AMERICAN HISTORY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Prerequisite: United States History I**

**Placement by Departmental Recommendation  
Required of 11th grade students**

This course is designed to be an overview of American history in the twentieth century and is a natural continuation of the materials of United States History I. Major domestic events in the growth of the nation will be examined and evaluated. Topics to be covered include the Progressive Era in American politics, the conservative reaction of the 1920s, the Great Depression, the New Deal of Franklin Roosevelt, and the problems and evolution of the nation under the post World War II presidents. United States foreign policy will be surveyed briefly with special emphasis on our role as a great power in the Cold War Era. Problems of present-day American society will be the subject of review and discussion.

## **GLOBAL ISSUES SEMINAR**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC/CPA**

**Placement by Departmental Recommendation  
Open to students in grades 11 & 12**

The purpose of the course is to prepare students for global responsibility, by understanding the nature and implications of global interdependence and by accepting the responsibility to work for a just, peaceful and viable global community. This purpose is accomplished through the study of issues that affect all peoples everywhere, and thus must be addressed from a global perspective. Students will be asked to employ knowledge and problem-solving skills in discovering the best possible solutions to global issues such as: (a) economic development and foreign aid; (b) terrorism, global conflict and the arms race; (c) human rights and social justice; (d) world trade and economic interdependence; (e) environment and technology; (f) food and population; (g) political power structures.

## **ADVANCED PLACEMENT LEVEL**

Advanced Placement courses are college level courses. Students seeking to take AP classes must be willing to commit themselves to the demands of the advanced level work required. Selected students must take the AP Exam prepared by the College Entrance Examination Board in May. Consult the course descriptions for details on the selection process.

### **ADVANCED PLACEMENT MODERN EUROPEAN HISTORY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

Designed for students with special abilities and skills in historical studies, this is a college level survey of the development of western civilization from 1456 to the present. A number of themes are stressed: the rise of parliamentary government in Europe, the impact of revolution and the triumph of nationalism in the nineteenth century, and the quest for world order and security in the twentieth century. Key intellectual and social movements that have shaped present day western European civilization are examined. Heavy emphasis is placed on the writing of historical essays and the evaluation of historical evidence.

*Admission is limited to students selected by the department, although all qualified students are invited to apply. Criteria for admission include a satisfactory grade average in all areas, excellent grades in Social Studies, superior achievement on a qualifying test designed to show competence in social science skills, and a favorable teacher recommendation.*

### **ADVANCED PLACEMENT UNITED STATES HISTORY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: U.S. History I and  
Departmental Recommendation**

**Open to students in grade 11**

**Advanced Placement U.S. History** is designed for students who have very special skills and interests in the field and who plan to seek advanced standing upon admission to college. The course offers an intensive analysis of the underlying forces shaping American history and society. Emphasis is on the post-Civil War period with substantial review of key concepts and problems stemming from earlier periods. The interactions amongst government, business, reform movements, foreign policy, and social and cultural forces are stressed. Much time is devoted to analyzing primary and secondary sources. Class size is limited to increase student-teacher interaction. Seminars, lectures, and in-depth reading of interpretive, historiographic and documentary materials form the structure of the course. (This course fulfills the requirement of a second year of American History.)

*Admission is limited to students selected by the department, although all qualified students are invited to apply. Criteria for admission include a satisfactory grade average in all areas, excellent grades in Social Studies, superior achievement on a qualifying test designed to show competence in social science skills, and a favorable teacher recommendation.*

## **ADVANCED PLACEMENT UNITED STATES GOVERNMENT & POLITICS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation  
Open to students in grades 11 & 12**

**Advanced Placement U.S. Government and Politics** offers students an opportunity to acquire a critical perspective on the unique nature of the American experiment in democracy and the interactions and processes which are at the heart of our political system. Several themes highlight the course of study: constitutional underpinnings of the American government, American political beliefs and behaviors, the American system of campaigns and elections, the major institutions of the federal government, civil liberties and civil rights, and the development of public policy. Emphasis in this course is placed on analyzing government action and theory. The major goal is ascertaining the factors and influences which impact upon the processes that drive the operations of government. An equally important objective of this course is to develop and refine students' writing abilities in order to achieve sophisticated political analyses by year's end.

*Admission is limited to students selected by the department, although all qualified students are invited to apply. Criteria for admission include a satisfactory grade average in all areas, excellent grades in Social Studies, superior achievement on a qualifying test designed to show competence in social science skills, and a favorable teacher recommendation.*

## **ADVANCED PLACEMENT ART HISTORY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation  
Open to students in grades 11 & 12**

**Advanced Placement Art History** is an interdisciplinary course that uses art to communicate the diversity of the human experience. The course examines aesthetics, but also the value of art as an historical tool to further understanding of a particular society and the relationships between societies. AP Art History encompasses visual arts from prehistoric peoples to the modern era. It focuses on the formal elements of a work and the evolution of artistic forms. Students analyze individual works and what art reveals about historical context. They study literature and history to ferret out the context of a piece and derive meanings from the work. Students also discover connections between art and themselves through discussion and observation. While this is not a studio course, it may be of value to students interested in the arts, architecture, and design, as well as to those interested in enriching the depth and breadth of their historical understanding.

*Admission is limited to students selected by the department, although all qualified students are invited to apply. Criteria for admission include a satisfactory grade average in all areas, excellent grades in Social Studies, superior achievement on a qualifying test designed to show competence in social science skills, and a favorable teacher recommendation.*



## **ADVANCED PLACEMENT ECONOMICS: MICROECONOMICS & MACROECONOMICS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation**

**Open to students in grade 12**

The **Advanced Placement Economics** program is designed for students who have very special skills and interests in the field and who plan to seek advanced standing upon admission to college. The program offers two courses: microeconomics and macroeconomics. Each is intended for qualified students who wish to complete a secondary school equivalent of a one semester college introductory course in micro or macroeconomics. Students selected may choose to take one or both sections of the AP Economic Examination to fulfill their requirements. A separate grade is recorded for each exam taken at the end of the year.

The primary purpose of microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the larger economic system. It places emphasis on basic economic concepts, the nature and function of product markets and factor markets, and the efficiency, equity, and role of government. The primary purpose of macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Some of the general topics include: basic economic concepts, measurement of economic performance, national income, price determination, and international economics and growth.

*Admission is limited to students selected by the department, although all qualified students are invited to apply. Criteria for admission include a satisfactory grade average in all areas, excellent grades in Mathematics and Social Studies, superior achievement on a qualifying test designed to show competence in mathematics skills, and a favorable mathematics teacher recommendation.*

## **ADVANCED PLACEMENT PSYCHOLOGY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation**

**Open to students in grade 12**

The purpose of **Advanced Placement Psychology** is to introduce the systematic and scientific study of behaviors and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice.

*Admission is limited to students selected by the department, although all qualified students are invited to apply. Criteria for admission include a satisfactory grade average in all areas, excellent grades in Social Studies, superior achievement on a qualifying test designed to show competence in social science skills, and a favorable teacher recommendation.*

## **ACCELERATED LEVEL COURSES**

Students electing these courses should expect to show exceptional mastery of subject matter, written English, and other academic techniques. Specific course requirements may include the completion of a research paper, the preparation of critical and evaluative essays, and the reading of advanced primary and secondary materials related to the subject.

### **AGES & IDEAS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 9-12**

**Ages & Ideas** combines art history, social history and cultural/intellectual history. It emphasizes art and architecture as the physical manifestation of major ideas and philosophies in five periods of western civilization: Ancient Greece and Rome, the Middle Ages, the Renaissance, turn of the century modernism, and post World War II America. Questions of visual perception and expression are addressed. Course work deals with units in art history. Special attention is given to the creative works of key artists and to the development of visual literacy among students. Contrasts between historic periods and contemporary culture are made. Student expression and free exchange of ideas are encouraged. Field trips are made to museums, and feature films exploring the world view of historic periods are shown.

### **AMERICAN GOVERNMENT**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

This semester elective is aimed at developing a strong sense of civic responsibility by exploring the structure and functioning of the American system of government. Students will study several topics: the three branches of government, each with checks to keep them in balance; how laws are made and compromises created; political writings and examples; political parties and political campaigns; the role of the media; vital contemporary issues such as the death penalty, campaign reform, war and peace, and the tension between security and freedom. The role of protest and dissent as political tools will also be examined. The goal of the course is to give a balanced view of how our modern political system works and how our present system is the result of a history of change and reinterpretation. Insights will be developed through research and discussion.

## **AMERICAN SOCIAL and CULTURAL HISTORY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

**American Social and Cultural History** studies the interactive forces in American society that shaped the lives and times of various groups and created American towns and cities. This course includes a study of four units: African-American cultural development from slavery through the formation of the Civil Rights movement; women, from the private sphere of influence through their struggle to emerge in the public sphere to the ERA movement; the processes of industrialization, urbanization and labor that contributed to both the formation and character of the American city and its social and class structure; the rise of American popular culture, leisure time and sports. Readings, discussion, analysis, and critical thinking exercises in both oral and written forms will lead to an understanding of the social and cultural reality of American society as it emerged and was transformed between 1860 and 1990. The knitting together of the American social fabric will be explored as multicultural yet united.

## **EAST ASIAN STUDIES**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

This course will focus on China, Japan and, to a limited extent, Korea and Vietnam. Special emphasis will be placed on the history, culture and geography of this region as well as the interchanging and evolving relationships of these countries to each other and the United States. America's future is in many ways intertwined with the history of these Asian powers. Our position of world leadership and our future leaders can only benefit from greater knowledge of Asian civilization. Student opinions and insights will be encouraged through the use of primary sources and a variety of visual materials.

## **ECONOMICS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

This semester elective introduces students to the ideas of major economists such as Adam Smith and John Maynard Keynes. We go back and forth between theory and practice in order to understand how the power of economic ideas and thinking underpins our society. Topics include laissez-faire, types of business organization, money and banking, the role of the Federal Reserve Bank, the national debt and deficit, income distribution, inflation and unemployment, how the government impacts on the workings of our capitalist economy, and globalism. Students will research an issue of current interest.

## **LAW & SOCIETY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 11 & 12**

A nation's laws and legal system express the values of that society. A democratic system balances an individual's rights and privileges with his/her responsibility for preserving the society. This semester elective focuses on the operation of our legal system. Students will be made aware of their rights as human beings and as citizens under the American judicial system. They will examine current controversies and problems with the American legal system, and they will explore its benefits. Ultimately, students will evaluate the successes and failures of this system and determine if America provides justice for its people. Some possible topics involving important legal issues include the following: the Scott Peterson trial (exploring the processes involved in a trial and the death penalty); the 2004 presidential election (exploring the processes involved in voting); the debate over same-sex marriage (exploring family law and the definition of a legal family); steroid use in baseball (exploring the legality of drug testing within the workplace).

## **MODERN EUROPEAN HISTORY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

This semester elective will explore topics in European history from the French Revolution to the present. Nationalism, the struggle for power, and ideological conflict are as much a part of Europe's past as they are part of its present. The themes chosen will demonstrate the interconnectedness amongst social, political, economic, intellectual, and geographic issues. Student opinions and insights into this period of European history will be encouraged through the use of primary sources and visual materials. Assessments in this course are designed to refine students' writing abilities. A research paper takes the place of a midterm exam.

## **PSYCHOLOGY 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grade 12**

Designed to provide an introduction to the field, this one semester course seeks to provide students with a deeper understanding of the pattern of human development. Attention is focused on the behaviors, interests, and values of young people viewed against the structures of psychological growth. Among topics covered are psychology and its connection to other disciplines, learning theory and its applicability to the student, the psychological development of the person from birth through adolescence, and the basic personality theories of famous psychologists. Lecture, discussion, unit tests, independent projects, short papers on expository and interpretive subjects, readings in primary and secondary sources, and a variety of classroom interactions form the core of the course.

## **PSYCHOLOGY 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Psychology 1 (Final grade of B)  
and Departmental Recommendation**

**Open to students in grade 12**

**Psychology 2**, a continuation of Psychology 1, is a course designed to explore topics in the field in greater depth than is possible in the introductory course. Subjects covered include new areas of study in child development, the psychology of group behavior, and classical theories of mental illness.

## **COLLEGE PREPARATION A LEVEL COURSES**

These courses provide a solid background in History and Social Sciences. They are designed for the college preparatory student with good academic skills. Course requirements may include the completion of a research project, readings in primary and secondary source materials, and skill development in the writing of interpretive essays and other academic techniques.

### **AGES & IDEAS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation  
Open to students in grades 9-12**

**Ages and Ideas** combines art history, social history and cultural/intellectual history. It emphasizes art and architecture as the physical manifestation of major ideas in five periods of western civilization: Ancient Greece and Rome, the Middle Ages, the Renaissance, turn of the century modernism, and post World War II America. Questions of visual perception and expression are addressed. Course work deals with units in art history. Special attention is given to the creative works of key artists and to the development of visual literacy among students. Contrasts between historic periods and contemporary culture are made. Student expression and free exchange of ideas are encouraged. Field trips are made to museums, and feature films exploring the world view of historic periods are shown.

### **AMERICAN GOVERNMENT**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation  
Open to students in grades 10-12**

This semester elective is aimed at developing a strong sense of civic responsibility by exploring the structure and functioning of the American system of government. Students will study several topics: the three branches of government, each with checks to keep them in balance; how laws are made and compromises created; political writings and examples; political parties and political campaigns; the role of the media; vital contemporary issues such as the death penalty, campaign reform, war and peace, and the tension between security and freedom. The role of protest and dissent as political tools will also be examined. The goal of the course is to give a balanced view of how our modern political system works, and how our present system is the result of a history of change and reinterpretation. Insights will be developed through research and discussion.

## **AMERICAN SOCIAL and CULTURAL HISTORY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

**American Social and Cultural History** is the study of interactive forces in American society that shaped the lives and times of various groups and created American towns and cities. This course includes a study of four units: African-American cultural development from slavery through the formation of the Civil Rights movement; women, from the private sphere of influence through their struggle to emerge in the public sphere to the ERA movement; the processes of industrialization, urbanization and labor that contributed to both the formation and character of the American city and its social and class structure; and the rise of American popular culture, leisure time and sports. Readings, discussion, analysis, and critical thinking exercises in both oral and written format will lead to an understanding of the social and cultural reality of American society as it emerged and was transformed between 1860 and 1990. The knitting together of the American social fabric will be explored as multicultural yet united.

## **APPLICATIONS of PSYCHOLOGICAL PRINCIPLES**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**Open to students in grade 12**

Psychology focuses on understanding how people learn, how we come to new solutions, and how we can develop better interpersonal behaviors and communication skills. This semester elective addresses the personal concerns and problems of students and offers opportunities for active involvement in applying psychological knowledge to improve the quality of their lives. Units will include: Frustration, Conflict, Stress, Ego Defense; Personality; Maladaptive Behaviors and Treatment; Learning Theory and Behavior Modification; and Contemporary Issues in Psychology.

Development of student opinions and insights will be encouraged through the use of small groups and demonstrations/experiments; self-evaluation tests for personality traits and learning preferences; group sessions drawing from personal experience and involving topics such as bias, assertiveness, communication skills, ethics in science, childhood, careers, and job interviews; and research projects and presentations.

## **EAST ASIAN STUDIES**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

This course will focus on China, Japan and, to a limited extent, Korea and Vietnam. Special emphasis will be placed on the history, culture and geography of this region as well as the interchanging and evolving relationships of these countries to each other and the United States. America's future is in many ways intertwined with the history of these Asian powers. Our position of world leadership and our future leaders can only benefit from greater knowledge of Asian civilization. Student opinions and insights will be encouraged through the use of primary sources and a variety of visual materials.

## **ECONOMICS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 11 & 12**

This elective course introduces students to a wide variety of economic issues. Topics covered include an examination of the different levels of competition in American markets, a comparison of types of business organizations (with a thorough analysis of American corporations), government's role in the American economy, labor and unions, money and banking, income distribution, and developing nations. In addition, students explore current economic issues including international trade, the debate over welfare reform, taxation in America, and the growth of legalized gambling. The workings of capitalism and other types of economic systems will be examined and evaluated. The budget process is studied on both an individual and nationwide basis. Students will be exposed to the concepts of supply and demand and will learn how prices are determined. Topics in consumer economics such as savings and investment and how to obtain and use credit are also a part of this course. Finally, students will learn about how stock markets function by playing the New Jersey Stock Market Game.

## **FILM & SOCIETY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 9-12**

In just three-quarters of a century, the motion picture has emerged as one of the dominant art forms, enriching and expanding man's understanding of people and history. This course is an introduction to the scope and complexity of film as a commentary on the values of life in our time. Its aim is to develop in the student a new visual awareness—one that will allow him to fully comprehend the nature of the serious film. The content is largely historical and illustrates how films have commented on different aspects of society. Students will view a wide spectrum of film expression from the 1930s through the present day. This course requires a number of projects and/or papers dealing with the content and nature of the films viewed.

## **LAW & SOCIETY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 11 & 12**

A nation's laws and legal system express the values of that society. A democratic system balances an individual's rights and privileges with his/her responsibility for preserving the society. This semester elective focuses on the operation of our legal system. Students will be made aware of their rights as human beings and as citizens under the American judicial system. They will examine current controversies and problems with the American legal system, and they will explore its benefits. Ultimately, students will evaluate the successes and failures of this system and determine if America provides justice for its people. Some possible topics involving important legal issues include the following: the Scott Peterson trial (exploring the processes involved in a trial and the death penalty); the 2004 presidential election (exploring the processes involved in voting); the debate over same-sex marriage (exploring family law and the definition of a legal family); steroid use in baseball (exploring the legality of drug testing within the workplace).

## **PSYCHOLOGY 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**Open to students in Grade 12**

Designed to provide an introduction to the field, this one semester course seeks to provide students with a deeper understanding of the pattern of human development. Attention is focused on the behaviors, interests, and values of young people viewed against the structures of psychological growth. Among topics covered are psychology and its connection to other disciplines, learning theory and its applicability to the student, the psychological development of the person from birth through adolescence, and the basic personality theories of famous psychologists. Lecture, discussion, unit tests, independent projects, short papers on expository and interpretive subjects, readings in primary and secondary sources, and a variety of classroom interactions form the core of the course.

## **PSYCHOLOGY 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

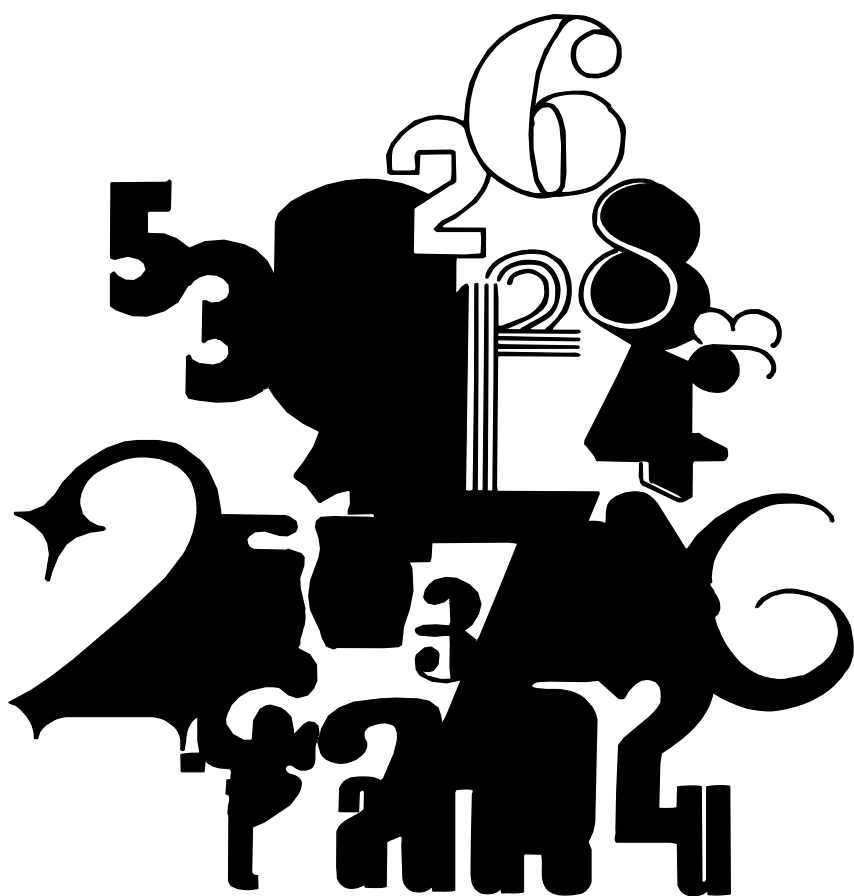
**Prerequisite: Psychology 1 and Departmental Recommendation**

**Open to students in grade 12**

**Psychology 2**, a continuation of Psychology 1, is a course designed to explore topics in the field in greater depth than is possible in the introductory course. Subjects covered include new areas of study of child development, the psychology of group behavior, and classical theories of mental illness.



# MATHEMATICS



## **MATHEMATICS**

### **MATH PROGRAM SEQUENCE**

Algebra 1  
Geometry  
Algebra 2  
Precalculus or Math Analysis  
Calculus or AP Calculus (AB/BC)

### **PROGRAM ELECTIVES**

Computer Science 1  
Computer Science 2  
AP Computer Science  
AP Statistics

## **ABILITY LEVELS**

### **MATHEMATICS PROGRAM OFFERINGS**

#### **ADVANCED PLACEMENT**

Calculus AB  
Calculus BC  
Statistics  
Computer Science

#### **ACCELERATED**

Algebra 1  
Geometry  
Algebra 2  
Precalculus  
Calculus  
Computer Science 1 & 2

#### **COLLEGE PREP A**

Algebra 1  
Geometry  
Algebra 2  
Precalculus  
Calculus  
Computer Science 1

#### **COLLEGE PREP B**

Prealgebra  
Algebra 1  
Geometry  
Algebra 2  
Math Analysis

## **CALCULATOR USE AND REQUIREMENTS**

Students will use calculators in all mathematics classes. Students will approach problems graphically, analytically, and numerically to promote their understanding of mathematics. Calculators will allow experiences in school mathematics to match the realities of everyday life as recommended by NJ State and National Standards and reflected on standardized tests.

Students are expected to bring to class each day a notebook, pens/pencils, their text, and a calculator. Our teachers will support the use of the Texas Instrument TI-83 Plus graphing calculator. Other calculators require the sanction of the teacher, but, in general, CAS and QUERTY are not permissible. Teachers will restrict use of calculators to appropriate topics.

<u>Type of Calculator</u>	<u>Mathematics Course</u>
Scientific calculator	Prealgebra, Geometry
Graphing calculator	Algebra 1, Algebra 2, Math Analysis, Precalculus, Calculus, AP Calculus, Computer Science, AP Computer Science, AP Statistics

## **ALGEBRA 1**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Prerequisite: None**

**Algebra 1** includes a study of the language of algebra, solution of simple linear equations, signed numbers, fundamental operations with monomials and polynomials, formulas, solution of linear systems, special products, factoring, fractions, roots and radicals, exponents, graphing, ratio, proportion, variation, and practical word problems. The vehicle for this study is the structure of the real number system.

## **GEOMETRY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Prerequisite: Algebra 1**

In this course it is assumed that the student has a command of algebraic fundamentals. The course aims to acquaint the student with the following topics: nature of sets, points, lines, planes, angles and their measurement, the study of related three dimensional geometric figures, congruent and similar triangles, the Pythagorean theorem, simple right triangle trigonometry, circles and arcs, loci, coordinate geometry, areas of polygons, and areas and volumes of solids. Throughout the course, logical development of an axiomatic system (proof) will be developed.

## **ALGEBRA 2**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Prerequisite: Algebra 1 and Geometry**

**Algebra 2** includes the study of formulas, linear equations involving one unknown, inequalities, special products and basic factoring forms, fractions and fractional equations, ratio, proportion and variation, the coordinate system and graphs, linear systems, exponents and radicals, quadratic equations in one and two variables, matrices and determinants, exponential and logarithmic functions, polynomial functions, arithmetic and geometric progressions, right triangle trigonometry, conics, and the binomial theorem. Graphing calculators will be used throughout the course.

## **MATH ANALYSIS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA/CPB**

**Prerequisite: Algebra 2 and  
Departmental Recommendation**

**Math Analysis** is designed for the student who recognizes the importance of taking four full years of mathematics but does not choose to continue taking Precalculus. This course builds on those skills learned in Algebra 2 such as polynomial functions, trigonometric functions, and exponential functions, many of which can benefit SAT and college performance. Some of the new topics in discrete mathematics include: data analysis, matrix operations, graphs, and probability. Other topics will help students see how mathematics is applicable to today's world, e.g., balancing checkbooks and financing car and home loans.

## **PRECALCULUS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: Algebra 2**

This course extends the concepts and skills of Algebra, thoroughly studying circular functions, trigonometric functions, polynomial functions, and logarithmic and exponential functions. New topics include curve sketching, limits, maximum-minimum problems, and an introduction to differential calculus. Graphing calculators will be used throughout the course.

## **CALCULUS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Precalculus**

This course studies differential and integral calculus. The depth of study is less than that found in the AP Calculus AB course. Students will review their mathematical foundations of algebra and trigonometry and be introduced to the concepts and theorems of differential and integral calculus. Limits and their properties will be studied and applied. Building on this foundation, theoretical notions of calculus will be investigated, while emphasis will be on the mechanics and techniques of differentiation and integration. Graphing calculators will be used throughout the course to reinforce some concepts and introduce others.

## **CALCULUS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPA**

**Prerequisite: Precalculus**

This course is designed for students who desire extra help and review as they begin their study of calculus. Students will solidify their mathematical foundations of algebra and trigonometry and be introduced to the concepts of differential and integral calculus. The study of functions, inverses, and their graphs will be reviewed and extended. Limits and their properties will be studied. Building on this foundation, derivatives and integrals will be explored. The focus will be on the mechanics and techniques of differentiation and integration. Graphing calculators will be used throughout the course to reinforce some concepts and introduce others. Upon completion of this course, students should be well prepared to take a college level calculus course.



## **ADVANCED PLACEMENT CALCULUS AB**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation**

This course conforms to the topics presented in the syllabus of the College Board. Topics to be covered in the course reflect three general concerns: functions, derivatives, and integrals. Analysis of functions will include continuity, limits, and asymptotic behavior. The study of derivatives will be presented graphically, numerically, and analytically, while focusing on the first and second derivatives and their applications. Integrals will be examined starting with Reimann sums through the Fundamental Theorems of Calculus in order to maximize the study of their applications. Criteria for admission include a superior grade average, a high score on the qualifying test, and outstanding teacher recommendations. Students are required to take the Advanced Placement Exam in May.

## **AP CALCULUS BC**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation**

This course conforms to the topics presented in the syllabus of the College Board. In addition to the topics found in the AB level, students study Taylor Series, polar graphs, and differential equations. Criteria for admission include a superior grade average, a high score on the qualifying test, and outstanding teacher recommendations. Students are required to take the Advanced Placement Exam in May.

## **ADVANCED PLACEMENT STATISTICS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Algebra 2 and  
Departmental Recommendation**

This offering closely follows the syllabus provided by the College Board. Its purpose is to introduce students to major concepts and tools for collecting, analyzing and inferring from data. The four broad conceptual themes include: Exploratory Data, Planning a Study, Anticipating Patterns, and Statistical Inference. Criteria for admission include a superior grade average, a high score on the qualifying test, and outstanding teacher recommendations. Students are required to take the Advanced Placement Exam in May.

## **COMPUTER SCIENCE 1**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

**Computer Science 1** is open to all students. The course introduces the student to computer programming using Visual Basic language in a Windows environment. Applications are taken from among the topics of mathematics (geometry, algebra, probability, and statistics), business (payroll, inventory, personnel records, and financial analysis), education (grading programs), and graphics and games. The course focuses on the computer as an important tool in problem solving, while developing critical thinking skills.

## **COMPUTER SCIENCE 2**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Computer Science 1 and  
Departmental Recommendation**

**Computer Science 2** is a full year course covering computer programming using the Java programming language. This course utilizes object-oriented principles. Emphasis is placed on the problem-solving approach featuring algorithm development and top-down design. This is a “hands-on” course with the student writing programs to solve mathematical and practical problems.

## **ADVANCED PLACEMENT COMPUTER SCIENCE**

**Year Course**

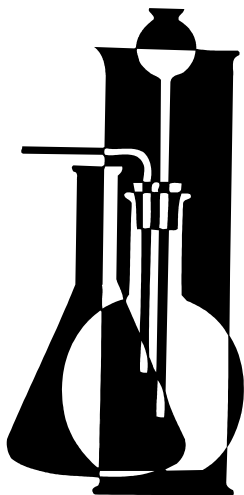
**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Computer Science 1 & 2 and  
Departmental Recommendation**

This course conforms to the topics presented in the syllabus provided by the College Entrance Examination Board. The major emphasis is on programming methodology, algorithms, and data structures. Applications of computing provide the context in which these subjects are treated. Other topics included are programming languages, data types and abstract data structures, computer systems, and social implications. Criteria for admission include a superior grade average, a high score on the qualifying test, and outstanding teacher recommendations. Students are required to take the Advanced Placement Exam in May.

# SCIENCE



## SCIENCE

### ABILITY LEVELS OF SCIENCE PROGRAM OFFERINGS

#### **ADVANCED PLACEMENT**

Biology  
Chemistry  
Physics  
Environmental Science

#### **ACCELERATED**

Authentic Science Research  
Physical Science  
Biology  
Chemistry  
Physics  
Human Anatomy and Physiology  
Science & Technology

#### **COLLEGE PREP A**

Physical Science  
Biology  
Chemistry  
Physics  
Environmental Science  
Oceanography (07-08)  
Human Anatomy  
Meteorology  
Science & Technology

#### **COLLEGE PREP B**

Physical Science  
Biology  
Applied Chemistry

## **AUTHENTIC SCIENCE RESEARCH**

**3 Year Course**

**Credit Value 5.0/year**

**Level of Instruction: ACC Year One,**

**AP Years Two and Three**

**Prerequisite: Departmental Recommendation**

**Authentic Science Research** is a 3-year program beginning in the sophomore year. It will require the student to obtain a mentor at an outside university or research lab and participate in summer work between their junior and senior years. The course will be scheduled for a double period.

Students must write a twenty-page scientific paper and enter their research into local, state, and/or national competitions (e.g., Intel, formerly Westinghouse). Students will choose their topic from mathematics, physical sciences, life sciences, or social sciences, and pursue this research for three years.

This program offers students of various achievement levels an opportunity to perform scientific research. Students will identify their topic of research, read scientific literature, create a testable hypothesis, perform experiments, record, analyze, and discuss results, and state clear conclusions.

## **PHYSICAL SCIENCE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Completed Algebra 1 or  
currently enrolled in ACC Geometry  
and Departmental Recommendation**

**Physical Science** is divided into three distinct sections: Chemistry, Physics and Earth Science. Each section involves text, lectures, demonstrations, and hands-on activities which require active student participation. The accelerated sections of Physical Science use algebraic, mathematical and higher levels of problem-solving abilities.

## **PHYSICAL SCIENCE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPA**

**Prerequisite: Departmental Recommendation**

**Physical Science** is divided into three distinct sections: Chemistry, Physics and Earth Science. Each section involves text, lectures, demonstrations, and hands-on activities which require active student participation. The CPA sections of Physical Science use a less rigorous application of mathematical principles for problem solving.

## **PHYSICAL SCIENCE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPB**

**Prerequisite: Departmental Recommendation**

**Physical Science** is divided into three distinct sections: Chemistry, Physics and Earth Science. Each section involves text, lectures, demonstrations, and hands-on activities which require active student participation. The CPB sections of Physical Science use little to no mathematical applications to describe physical phenomena.



## **ADVANCED PLACEMENT BIOLOGY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation**

This course is designed for superior academic students with a strong interest and/or background in science who wish to pursue a college level course in biology while still in high school. Lectures, discussions and laboratory sessions center around investigating cellular and molecular biology, organic biology, and evolutionary and ecological biology. Topics that are covered include historical development of cell concepts and the chemical basis of biology, plant and animal structure, reproduction and behavior, positions of organisms in the ecosystem, and concepts of genetic continuity. Students are required to complete an assignment during the summer prior to entering the course. Assignments are given during school vacations.

Criteria for admission include a superior grade average, a superior testing profile, outstanding teacher recommendations, and a high qualifying score on the entrance exam. Tenth graders may take this course to satisfy their sophomore science requirement. Juniors or seniors who qualify for AP Biology must be concurrently enrolled in either Chemistry or Physics. In order to maintain placement in this AP course, students must have at least a B- for each marking period. Each student is required to take the AP Exam in Biology administered in May.

## **BIOLOGY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Grade of B in ACC Physical Science or A in CPA Physical Science and Departmental Recommendation**

Accelerated **Biology** includes units on cell structures, cellular metabolism, genetics, evolution, interrelationships of organisms, genetics, ecology, populations, microbiology, some historical development of modern biological ideas, a general survey of kingdoms, and inorganic and organic chemistry. Laboratory exercises supplement class work.

## **BIOLOGY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPA**

**Prerequisite: Physical Science and Departmental Recommendation**

CPA **Biology** includes the following topics: ecology, microscopy, cellular biology, five-kingdom taxonomy, cell reproduction, genetics, and molecular aspects of biology. Laboratory exercises, projects and reports supplement class work.

## **BIOLOGY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPB**

**Prerequisite: Physical Science and Departmental Recommendation**

CPB **Biology** includes units on the study of life, the cell, classification, viruses, monerans, protists, fungi, nutrition, populations, communities, and human body systems such as circulatory, skeletal and muscular.

## **ADVANCED PLACEMENT CHEMISTRY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 11 & 12**

**Advanced Placement Chemistry** is a rigorous course where advanced topics are studied with emphasis on theory and solving quantitative problems. Some of the topics studied are atomic theory, solids, liquids, gases, stoichiometry, energy, periodic properties of elements, bonding, equilibrium, kinetics, solutions, acids and bases, redox, and electrochemistry. Laboratory work will also be assigned.

Criteria for admission includes a superior grade average, superior testing profile, outstanding teacher recommendations, and a high qualifying score on the entrance exam. In order to maintain placement in this AP course, students must have a least a B- for each marking period. Each student is required to take the Advanced Placement Exam in May.

## **CHEMISTRY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: ACC Phys. Science, ACC Biology, currently enrolled in ACC Algebra 2 or above, and Departmental Recommendation**

**Open to students in grades 11 & 12**

This is an introductory course in chemistry that requires the application of mathematics to the study of stoichiometry, quantum mechanics, thermodynamics, kinetics, and equilibrium. Concepts include formula writing, balancing equations, concentrations of solutions, and atomic theory. Classroom demonstrations and laboratory work will illustrate and reinforce these principles.

## **CHEMISTRY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPA**

**Prerequisite: Physical Science, Biology, currently enrolled in CPA Algebra 2 or above, and Departmental Recommendation**

**Open to students in grades 11 & 12**

This is an introductory course in chemistry. Topics include properties and changes in matter, atomic theory, equilibrium, formula writing and equation balancing, bonding, the moles, solutions, and acids and bases. Classroom demonstrations, along with short and long range assignments, illustrate and reinforce these studies.

## **APPLIED CHEMISTRY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPB**

**Prerequisite: Physical Science, Biology, and Departmental Recommendation**

**Open to students in grades 11 & 12**

This non-mathematically oriented course is designed for the college bound student who needs an alternative to the traditional course in chemistry. Basic concepts are presented with an emphasis on laboratory experience. This course involves the use of a textbook, audio/visual material, and in-depth instructional guidance.

## **ADVANCED PLACEMENT PHYSICS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Completed ACC Algebra 2 and Departmental Recommendation**

**Open to students in grades 11 & 12**

A thorough knowledge of algebra and basic trigonometry is essential for this course. The major topics studied are fluids, harmonic motion, electricity and magnetism, kinetic theory and heat waves, optics, and modern physics (which includes atomic energy levels, x-rays, radioactivity, and some special relativity).

Criteria for admission includes a superior grade point average, superior testing profile, outstanding teacher recommendations, and a high qualifying score on the entrance exam. In order to maintain placement in the AP course, students must have at least a B- average each marking period. Each student is required to take the Advanced Placement Exam in Physics in May.

## **PHYSICS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: ACC Physical Science, ACC Biology, completed Algebra 2, and Departmental Recommendation**

**Students with a strong math background are encouraged to take ACC Physics in their junior year**

**Open to students in grades 11 & 12**

A thorough knowledge of algebra and trigonometry is essential for this course. The major topics include the principles of Newtonian mechanics, waves and optics, light, electricity and magnetism, and other topics of classical and modern physics. Classroom demonstrations and laboratory work reinforce the aforementioned topics. Many of the topics are treated similarly to the AP Physics course, but are handled at a level appropriate for an accelerated student. Students who enroll concurrently in Algebra 2 and Physics may experience some difficulty with this course.

## **PHYSICS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPA**

**Prerequisite: CPA Physical Science, CPA Biology, CPA Geometry, Algebra 2, and Departmental Recommendation**

**Open to students in grades 11 & 12**

A thorough knowledge of algebra and basic trigonometry is essential for this course. The major topics include the principles of Newtonian mechanics, waves and optics, light, electricity and magnetism, and other topics of classical and modern physics. Classroom demonstrations and laboratory work reinforce the aforementioned topics. Students who enroll concurrently in Algebra 2 and Physics may experience some difficulty with this course.

## **CONCEPTUAL PHYSICS**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: CPA**

**Prerequisite: Physical Science, Biology, Algebra 1, and Departmental Recommendation**

**Open to students in grades 11 & 12**

This college preparatory physics course is a qualitative study of the central concepts of physics. It is designed for students who do not intend to pursue a scientific career. Actual observations of physical phenomena, outside the classroom and/or in the laboratory, are described and interpreted to reach an understanding of the laws of the physical world. The major topics covered in the course are mechanics, properties of matter, heat, sound, light, electricity, magnetism, and nuclear physics. Mathematical manipulations are kept to a minimum; however, it is suggested that entering students have two years of algebra. The second year may be taken concurrently.

## **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Physical Science, Biology, Chemistry/Physics, and Departmental Recommendation**

**Open to students in grade 12**

The goal of the **AP Environmental Science** course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving them.

Criteria for admission includes a superior grade point average, superior testing profile, outstanding teacher recommendations, and a high qualifying score on the entrance exam. In order to maintain placement in the AP course, students must have at least a B- average each marking period. Each student is required to take the Advanced Placement Exam in Environmental Science in May.

It is highly recommended that students interested in pursuing science in college and as a career enroll in four years of science in high school. High school Chemistry and Physics are important prerequisites for college work. AP Environmental Science is not a substitute for senior year Physics or Chemistry.

## **ENVIRONMENTAL SCIENCE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

**Environmental Science** is an interdisciplinary science concerned with energy, pollution, weather, climate, geological and geographical conditions, toxic substances in food, and toxic metals in the environment. Laboratory experiments are meant to spark the imagination and attention of students to be aware of problems in the environment and try to remedy them. The aim of this course is to produce enlightened citizens aware of the needs of the environment and the methods of conserving nature's beauty for future generations.

## **HUMAN ANATOMY AND PHYSIOLOGY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Grade of B or above in  
Biology ACC and Departmental  
Recommendation**

**Chemistry or Physics must be taken concurrently**

**Open to students in grades 11 & 12**

**Not open to juniors and seniors who have taken  
AP Biology or Human Anatomy CPA**

This course will investigate the structure and systems of the human body. Laboratory investigations will include work with cells, tissues, organs, comparative anatomical dissections, and observations of various mammals. The text material contains a wide range of topics and general information that is relevant to the health and well-being of students. A research report and/or project on some aspect of human anatomy and physiology is a course requirement.

**Dissections are mandatory for this course. The final exam for this course is the dissection of a fetal pig.**

## **HUMAN ANATOMY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Physical Science and Biology**

**Open to students in grades 11 & 12**

**Not open to students who have taken AP Biology  
or Human Anatomy and Physiology ACC**

This course will investigate the structure and systems of the human body. Laboratory investigations will include work with cells, tissues, organs, comparative anatomical dissections, and observations of mammals. A research report and/or project on some aspect of human anatomy is a course requirement.

**Dissections are mandatory for this course. The final exam for this course is the dissection of a fetal pig.**

## **METEOROLOGY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Physical Science and Biology**

**Open to students in grades 10-12**

Weather is one of the most common topics of discussion and it affects all aspects of our lives. This course will concentrate on real time materials and data from NASA and NOAA. Emphasis will also be on hands-on activities as they relate to weather forecasting and understanding patterns. The course will cover severe storms, air masses and fronts, forces and winds, modern weather forecasting techniques, and climate changes due to weather. Students will be able to chart local weather conditions, and see connections as well as trends.

**OCEANOGRAPHY** (offered in 07-08 and alternate years)

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 10-12**

**Oceanography** is an interdisciplinary course that deals with the physical dynamics, chemistry, biology, and geology of the ocean. The effects of pollution and the preservation of oceanic resources are examined. The anatomy and behavior of a wide range of marine plants and animals are studied. A research report and/or project on an aspect of oceanography is a requirement of the course.

**SCIENCE & TECHNOLOGY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 10-12**

Students are introduced to trends in science and technology as presented in current Internet articles. Students will learn to use application programs and the Internet to do research and solve problems. Work is presented using Power Point for class presentations and using a website to present on the World Wide Web. Artistic and creative presentation programs will also be explored, including Bryce, Photoshop, and I-movie. Students will apply skills to create a self-directed culminating final project.

**SCIENCE & TECHNOLOGY**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 10-12**

Students are introduced to trends in science and technology as presented in current Internet articles. Students will learn to use application programs and the Internet to do research and solve problems. Work is presented using Power Point for class presentations and using a website to present on the World Wide Web. Artistic and creative presentation programs will also be explored, including Bryce, Photoshop, and I-movie.

# *World Language*



*Languages Last a  
Lifetime*

## **WORLD LANGUAGES**

### **ABILITY LEVELS OF LANGUAGE OFFERINGS**

#### **ADVANCED PLACEMENT**

Chinese  
French Language  
French Literature  
Italian  
Latin Literature  
Latin Virgil  
Spanish Language  
Spanish Literature

#### **ACCELERATED**

Chinese 1  
Chinese 2  
Chinese 3  
Chinese 4  
French 1  
French 2  
French 3  
French 4  
French 5  
German 3  
German 4  
German 5  
Italian 1  
Italian 2  
Italian 3  
Italian 4  
Italian 5  
Latin 1  
Latin 2  
Latin 3  
Latin 4  
Spanish 1  
Spanish 2  
Spanish 3  
Spanish 4  
Spanish 5

#### **COLLEGE PREP A**

Chinese 1  
Chinese 2  
French 1  
French 2  
French 3  
French 4  
French 5  
Italian 1  
Italian 2  
Latin 1  
Latin 2  
Spanish 1  
Spanish 2  
Spanish 3  
Spanish 4  
Spanish 5

#### **COLLEGE PREP B**

Spanish 1  
Spanish 2  
Spanish 3  
Spanish 4

Language and communication are at the heart of the human experience. It is increasingly clear that the United States must educate students to be equipped linguistically and culturally to communicate successfully in a pluralistic American society and abroad. Colleges and universities recognize that studying other languages and cultures enhances one's personal education in many ways. Most institutions of higher learning require language study and/or demonstrated language competency, particularly prior to granting advanced degrees. An uninterrupted sequence of language study of at least one world language in addition to English during the four years of high school is fundamental to a well-rounded education. Many people, particularly from other countries, simultaneously study two or more languages in addition to their native tongue. Once a person has acquired a second language, it becomes easier to learn other languages. As Americans interact in an increasingly global setting, it is important for our young people to have world class language skills that will last a lifetime.



## Year Course

**Level of Instruction: ACC/CPA**

**Open to students in grades 9-12**

## CHINESE 2

### Year Course

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite:** The successful completion of Chinese 1 with a B average, or its equivalent, or its 015itsEDrChinwCa BonTn8 46Wf0 sties. 7v

## CHINESE 4

**Year Course**

**Credit Value 5.0**

**Level of Instruction: ACC**

**Prerequisite: The successful completion of Chinese 3 with a B average, or an acceptable level of demonstrated proficiency on required goals and objectives. Teacher recommendation.**

**Chinese 4** is a full-year course designed for those students who wish to continue the sequence of more advanced study in developing communicative competence in the skills of listening, speaking, reading, and writing the standard Mandarin Chinese. Students gain a better understanding of the important linguistic and cultural variations of the Chinese-speaking world. Students are challenged to communicate with a higher level of accuracy and are exposed to more diversified and expansive usage of the Chinese language. Simplified characters are introduced to supplement the traditional characters. Cultural awareness provides students with a broader understanding of the diverse cultural perspectives, the social practices, lifestyles, and customs of speakers of Chinese in Mainland China, Taiwan, Hong Kong, and the overseas Chinese communities. With clearer insights into the diverse perspectives of the Chinese culture, students learn to appreciate the vastly different cultural products of Chinese-speaking societies and understand why and how Chinese people behave and interact in certain ways that differ from their own. Through the integration of culture and language studies, students gain clearer insights into one of the oldest human civilizations and learn the skills needed to undertake more advanced courses.

## AP CHINESE

(The Advanced Placement Program of the College Board will be ready for testing in the 2006-2007 School Year)

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Superior performance in Chinese 4 (grade of A- or better). Strong, balanced performance on the departmentally administered qualifying assessment of speaking, listening, reading, and writing skills. Teacher recommendation.**

This college level course follows the syllabus developed by the Advanced Placement Program of the College Board. Students will work to perfect their communication skills. All phases of expression will be included: oral, written and reading, with emphasis on the oral aspect. It will include the reading of major Chinese authors of all genres: drama, poetry, novel, and short story. A variety of materials will be used. Concentrated practices in all the skills required for the AP Examination will be an integral part of the course. Each student will be required to take the Advanced Placement Examination in May.

## **FRENCH 1**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

French has long been an important language in the economic and cultural life of Europe and in global commerce and politics. It is increasingly important in light of the developing economies of French-speaking countries in Africa as well as in French-speaking Canada. **French 1** intends to develop the listening, speaking, reading, and writing skills of students in the context of practical, authentic communication about such topics as school and family life, shopping, and interpersonal communication (using the telephone, for example). The text and workbook provide support to the functional goals of the course and these are reinforced by a coordinated audio/video cassette program.

## **FRENCH 2**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: French 1**

As the year progresses, students continue to develop listening, speaking, reading, and writing skills in a cultural context. Acquisition of key structures and vocabulary is set in diverse locations such as France, la Martinique in the Caribbean, and La Cote d'Ivoire in Africa. Much classroom time will be spent on communicating in French as students develop fundamental skills and apply them in practical situations. For example, after learning the past tenses (passé composé and the imparfait), students describe and narrate past events and express satisfaction or frustration about them. The application of essential linguistic components in a cultural setting encourages students to use French as a means of understanding their classmates and the French-speaking world.

## **FRENCH 3**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: French 2**

During the course of the year, students expand their skills, accuracy and level of sophistication in listening, speaking, reading, and writing in French. The cultural milieu represented becomes increasingly rich as regions of France are investigated along with other French-speaking countries such as Morocco, Senegal and Canada. Classroom time continues to be devoted to student use of French. Essential components such as the future and conditional tenses and the subjunctive construction are combined with making plans, expressing wishes and writing a letter in ACC. In CPA, the uses of the passé composé and the imparfait are developed for relating past events. Students benefit from integrating fundamental structures in functional settings while exploring the diversity of the French-speaking world.

## **FRENCH 4**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: French 3**

Throughout the year, students enhance their command of listening, speaking, reading, writing, and cultural sensitivity as they move forward in the ability to communicate with and understand French-speaking people. A complete review of the essential structure of the language is an integral part of this course. In addition, three to four literary works are examined in order to integrate structure and theme, and to instruct students in how to perform French literary analysis and make it relevant to their lives.

## **FRENCH 5**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: French 4**

In this course French as a language of communication is stressed. All the skills that were acquired in the prerequisite courses will be further developed through usage. Rather than formal grammatical study, there is an emphasis on the student's ability to integrate skills while functioning as a speaker of French. The class views French films and then reviews them with the intent of critiquing, analyzing and deepening the student's understanding of the culture they represent. Students will give individual and group oral presentations. One or two major literary works are read in conjunction with the films presented.

## **AP FRENCH LANGUAGE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Superior performance in French 3 or 4 ACC (grade of A- or better).**

**Strong, balanced performance on the departmentally administered qualifying assessment of speaking, listening, reading, and writing skills. Teacher recommendation.**

This course is comparable in content and difficulty to a full year course in Advanced French Composition and Conversation at the third year college level. It consists of an intensive review of all structure, considerable vocabulary building, and speaking exercises to improve pronunciation and language facility. In addition to the text, materials are chosen from contemporary literature, magazines, newspapers, a wide variety of audio-visual selections from different French-speaking countries, and internet activities. There is frequent composition work, and students are expected to participate actively in oral presentations. Concentrated practice in the types of skills required for the AP exam will be an integral part of the course. Each student will be required to take the Advanced Placement Examination at the end of the course.

## **AP FRENCH LITERATURE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: For students entering from AP French Language, a grade of B or better, and teacher recommendation. For students entering from French 4 ACC, grade of A- or better; strong, balanced performance on the departmentally administered qualifying assessment of speaking, listening, reading, and writing skills; and teacher recommendation.**

This course consists of the reading of representative literary works as outlined in the syllabus provided by the Advanced Placement committee of the College Entrance Examination Board. The works are discussed in class from the viewpoint of content, style and literary value. Students are also given practice in listening comprehension, speaking and writing. Written work is based on the texts read from the required list. These works range from the seventeenth through the twentieth centuries. Each student will be required to take the Advanced Placement Examination given at the end of the course.

## **GERMAN 3**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: German 2**

In **German 3** students work with authentic texts to research major German tourist areas. Use of the World Wide Web adds realism to student endeavors to increase their skills as travelers. Listening skills are strengthened through audio tapes of new material. Class conversation continues to be a major focus with emphasis placed on increasing vocabulary. Students read folktales and short stories which they dramatize and retell orally and in writing.

## **GERMAN 4**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: German 3**

Students familiarize themselves with topics of concern to German-speaking teenagers through the text, the Internet, newspaper headlines, and email. Students learn expressions and structures necessary to express themselves on similar topics both orally and in writing. Reading materials are selected for understanding, enjoyment and information. Videos aid in expanding listening comprehension.

## **GERMAN 5**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: German 4**

Through multimedia opportunities including audio and video cassettes, on-line resources, and print material, students' vocabulary, idiomatic usage and structural foundation are enhanced with the goal of communicating original thought on a variety of daily and issue-related topics. Major literary works are read as springboards for discussion. Honing lexical and structural skills in the context of sophisticated social and cultural concepts advances the students' oral and written communicative abilities in German.

## **ITALIAN 1**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

*“Come ti chiami? Di dove sei?”* These are some of the many phrases used in everyday conversational Italian that the students will acquire during the year. In the learning process, special emphasis will be placed on developing the listening, speaking, reading, and writing skills in the context of practical, authentic communication settings about various topics such as food and beverages, making acquaintances, asking for information, and extending invitations.

## **ITALIAN 2**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: Italian 1**

In this course students continue to develop their listening, speaking, reading, and writing skills. Acquisition of new vocabulary and new linguistic components will give the students many opportunities to apply these fundamental skills in practical situations, such as narrating past events and describing personal preferences and needs. Much of the classroom time will be spent communicating in Italian. Cultural settings will provide additional opportunities to use Italian as a means of communication.

## **ITALIAN 3**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Italian 2**

During the course of the year, students expand their skills, accuracy and level of sophistication in listening, speaking, reading, and writing in Italian. Most of the class time will be spent communicating in Italian. Essential components such as the future and the imperative are combined with making plans, expressing wishes, and writing letters. Students benefit from applying fundamental structures in functional settings while exploring the diversity of the Italian regions.

## **ITALIAN 4**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Italian 3**

Throughout the year, students continue to enhance their command of listening, speaking, reading, and writing as they move forward in the ability to understand and communicate with Italian-speaking people. Essential components such as the conditional and the subjunctive are combined with expressing views, feelings and hypotheses. A complete review of the essential structures of the language is an integral part of this course. Also included are several literary selections to introduce the students to Italian literature.

## **ITALIAN 5**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Italian 4**

In this course the emphasis will continue to be on advanced communication skills in Italian. However, each student will also have the opportunity to do extensive writing in Italian. This will be accomplished in the context of discussing and reviewing selected literary works of prominent Italian authors. Selected operas and contemporary films will also be a part of the program.

## **AP ITALIAN**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Superior performance in Italian 3 or 4 ACC (grade of A- or better). Strong, balanced performance on the departmentally administered qualifying examination of speaking, listening, reading, and writing skills Teacher recommendation.**

This college level course follows the syllabus developed by the Advanced Placement Program of the College Board. Students will work to perfect their communication skills. All phases of expression will be included: oral, written, and reading, with emphasis on the oral aspect. A variety of materials and activities will be used including Italian magazines, tapes recorded by native Italian speakers, some literary works, material published by the Italian government, debates, videotape projects, and the possibility of field trips to see Italian films and theatre. Concentrated practices in all the skills required for the AP exam will be an integral part of the course. Additional work will be done in structure, composition, and oral skills as well as reading and listening comprehension. Each student will be required to take the Advanced Placement Examination in May.

## **LATIN 1**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

In **Latin 1**, students learn the basic structure and vocabulary of the language in order to read and translate Latin texts effectively. Oral, listening and writing skills are developed as tools to improve reading. Stories about Roman life under the Empire, essays on Roman daily life, readings from mythology, and analysis of English words derived from Latin and Greek, based on studies of prefixes, suffixes and roots, are the major elements of the course. Links to Romance Languages are stressed in the study of vocabulary, derivatives and grammatical items.

## **LATIN 2**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: Latin 1**

In **Latin 2**, the more complex aspects of Latin grammar and syntax are studied as preparation for reading authentic texts. Featured are stories about Roman life in a variety of settings, mythology, and selections from Latin authors. Emphasis continues to be placed on the study of derivatives from Latin and Greek, along with ties to Romance Languages.

## **LATIN 3**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Latin 2**

Students undertake a further study of Latin grammar, syntax, and vocabulary, along with the development of the analytical skills required for close readings of classical texts. A selection of texts from Latin authors spanning two thousand years provides the basis of the year's work. Students will discuss themes, analyze characters, and identify the context and significance of short passages. The use of literary devices, along with the historical, political and social settings for the texts will be discussed.

## **LATIN 4**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Latin 3**

Students review Latin grammar, syntax, and vocabulary for further practice in the close readings of classical texts. Authors studied include Virgil, Catallus, Horace, and Martial. As in Latin 3, students will discuss themes, analyze characters, and identify the context and significance of short passages. Other activities include recognition of literary devices, discussion of pertinent background material, and scansion of poetry.

## **AP LATIN LITERATURE**

### **AP LATIN VIRGIL**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Strong, balanced performance on the departmentally administered qualifying examination. Teacher recommendation.**

These two courses, taught in alternating years, follow the AP syllabi as outlined by the College Board in their publications. The student must demonstrate an understanding of the original Latin and an ability to translate accurately. They must be able to analyze the literary aspects of the works in question, including identifying and analyzing characteristic or noteworthy features of the authors' modes of expression, such as their use of imagery, figures of speech, sound effects, and metrical effects. We will discuss particular motifs and general themes, and analyze and discuss structures and features used in the construction of a poem or an argument. In addition we learn to scan Latin meters specified in the syllabi: dactylic hexameter, elegiac couplet, and hendecasyllabic meter. Students will be given extensive practice in close reading, textual analysis, and the writing of both long and short essays based on their analyses.



## **SPANISH 1**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Prerequisite: None**

**Open to students in grades 9-12**

Spanish has become a second language in many areas of our country and promises to continue to grow in importance as the United States engages in increasing economic relationships with Spanish-speaking countries. **Spanish 1** intends to develop the listening, speaking, reading, and writing skills of students in the context of practical, authentic communication about such topics as family life, leisure activities, food, and school. Language is used in order to begin to understand the diversity of Hispanic culture. The text and workbook are resources in achieving the functional goals of the course and these are reinforced by a coordinated audio/video cassette program.

## **SPANISH 2**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Prerequisite: Spanish 1**

As the year progresses, students continue to develop listening, speaking, reading, and writing skills in a cultural context. Acquisition of key structures and vocabulary is set in diverse locations such as Andalucia in Spain, Mexico, Texas, and the Andes Mountains. Much classroom time will be spent in communicating in Spanish as students develop fundamental skills and apply them in practical situations. For example, after learning to employ reflexive verbs, students personalize the construction by narrating their daily routines. The application of essential linguistic components in a cultural setting encourages students to use Spanish as a means of understanding their classmates and the Spanish-speaking world.

## **SPANISH 3**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Prerequisite: Spanish 2**

During the course of the year, students expand their skills, accuracy and level of sophistication in listening, speaking, reading, and writing in Spanish. The cultural milieu represented becomes increasingly rich as areas such as La Coruña in Spain, Venezuela, and Guadalajara in Mexico are investigated in ACC. San Antonio, Texas, Puerto Rico, and the Andean countries in South America are featured in CPA. Classroom time continues to be devoted to student use of Spanish. Essential components such as the future tense and the subjunctive construction are combined with talking about personal plans, hopes, wishes, and when expressing emotions. On the CPA level, past constructions are stressed and applied in describing people and events. In addition, commands are presented in order to give directions. Students benefit from integrating fundamental structures in functional settings while exploring the diversity of the Spanish-speaking world.

## **SPANISH 4**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA/CPB**

**Prerequisite: Spanish 3**

A solid structural framework provides a backbone for speaking, reading and writing skills. Cultural discovery is woven into short stories by Hispanic authors in ACC and through selected readings in CPA. Vocabulary expansion is constantly encouraged during discussions of the readings. Grammar exercises provide new insights into Spanish structure. Listening skills are honed through the use of tapes accompanying the text. Appropriate pronunciation is routinely monitored. Students apply what they learn to express their own oral and written opinions in summaries, dialogues (ACC/CPA) and debates (ACC).

## **SPANISH 5**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: Spanish 4**

All language skills will be developed with primary emphasis on oral communication. Oral and written units will be presented on current events, everyday situations, and a study of culture in the Spanish-speaking world. Guest speakers may be invited to address the class. Students develop their skills in the structure of the Spanish language through listening, speaking, reading, and writing in the context of cultural investigation.

## **AP SPANISH LANGUAGE**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Superior performance in Spanish 3 or 4 ACC (grade of A- or better). Strong, balanced performance on the departmentally administered qualifying assessment of speaking, listening, reading, and writing skills. Teacher recommendation.**

In this college level course, students will work to perfect their communication skills. All phases of expression will be included: oral, written, and reading, with emphasis on the oral aspect. A variety of materials and activities will be used including Spanish magazines, tapes recorded by native Spanish speakers, some literary works, materials published by the governments of numerous Spanish-speaking countries, debates, videotape projects, and the possibility of field trips to see Spanish films and theatre. Concentrated practices in all the skills required for the AP exam will be an integral part of the course. Each student will be required to take the Advanced Placement Examination in May.

## AP SPANISH LITERATURE

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: For students entering from AP Spanish Language, a grade of B or better and teacher recommendation. For students entering from Spanish 4 ACC, grade of A- or better; strong, balanced performance on the departmentally administered qualifying assessment of speaking, listening, reading, and writing skills; and teacher recommendation.**

This college level course follows the syllabus developed by the Advanced Placement Program of the College Board. It will include the reading of major Spanish and Latin American authors of all genres: drama, poetry, novel, and short story. Emphasis will be placed on interpretation of basic ideas presented in each work as well as an understanding of the basic literary movements. Additional work will be done in structure, composition, oral skills, and reading and listening comprehension. Each student will be required to take the Advanced Placement Examination given at the end of the course.



## **RELATED ARTS**

### **ABILITY LEVELS OF RELATED ARTS OFFERINGS**

#### **BUSINESS EDUCATION**

##### **ACCELERATED:**

Business Law  
Sports and Entertainment Marketing

##### **COLLEGE PREP A:**

Business Law  
Business Management  
Marketing Education 1 & 2  
Sports and Entertainment Marketing

#### **INDUSTRIAL ARTS**

##### **COLLEGE PREP A:**

Woodworking 1 & 2

#### **FINE ARTS**

##### **ADVANCED PLACEMENT**

Studio Art 1 & 2

##### **ACCELERATED:**

Architectural Viewpoints  
Architecture: A Holistic Design  
Approach  
Art of the Picture Book  
Art 1, 2 & 3  
Crafts 1  
Dance  
MHS at FDU

##### **COLLEGE PREP A:**

Architectural Viewpoints  
Art and Design  
Art 1 & 2  
Computer Graphics and Design  
Crafts 1 & 2  
Dance  
Sculpture/Ceramics

## **BUSINESS EDUCATION**

### **BUSINESS LAW**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC/CPA**

**Prerequisite: None**

**Open to students in grades 11 & 12**

The **Business Law** course covers such topics as court systems, sources of law in the United States, the constitutional basis of the legal system, government power to regulate business, and the types and powers of administrative agencies. It will also acquaint students with civil dispute resolutions and alternatives to civil litigation, the law of contracts, fairness and good faith in interpretation of contracts, problems in agency and employment, the ethical implications of business decisions, and the broad functions of criminal and tort law. The course will also include guest lecturers from the law field.

### **BUSINESS MANAGEMENT**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 11 & 12**

The organization and management of sole proprietorships, partnerships, and corporations are studied to provide an overall view of the various types of business organizations. The managerial controls of accounting, business statistics, budgeting, and forecasting are examined to develop an awareness of the economic framework of business. Consumer and business financing are discussed with regard to management decision-making. Students planning to major in business in college will benefit from the course.

### **MARKETING EDUCATION 1 & 2**

**Year Course**

**Credit Value: 10.0**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 11 & 12**

**Marketing Education** is a co-curricular program that offers students the opportunity to be employed in sales and/or marketing while at the same time learning relevant marketing information in the classroom. Students will study interviewing skills, resume writing, marketing functions and concepts, salesmanship, communication skills, and promotion. Students will have the opportunity to join DECA (Distributive Education Clubs of America), a national student marketing organization. The student, teacher-coordinator and employer work together to enhance student work skills by creating an individual training and development plan for each student.

## **SPORTS AND ENTERTAINMENT MARKETING**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA/ACC**

**Prerequisite: None**

**Open to students in grades 11 & 12**

**Sports and Entertainment Marketing** is one of the fastest growing careers in the U.S. today. This course offers students the opportunity to experience the field of sports and entertainment marketing by working independently or in teams in a series of mini simulations. The students will use their critical thinking and creative skills to create effective marketing plans and innovative turn-key solutions to problems that face this particular business. Students will complete marketing plans for regional or national advertising campaigns, including arranging testimonials, press conferences, satellite media tours, personal appearances, and special events. Students will develop local and national print, radio and television advertisements for their simulated team or entertainment group.

## **FINE ARTS**

The Visual Arts Department offers a series of courses designed to guide students in the development of talent, technical skills and clarity of vision. The courses explore aesthetics, art criticism, art history, and art production. Successful completion of course objectives will serve as a strong basis for advanced study.

## **ARCHITECTURAL VIEWPOINTS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

**Architectural Viewpoints** is a survey course of architectural history, planning and design, with a focus on hands-on learning. Students will explore their own built environment, and consider different views of what our environment might look like. Projects will include the use of Photoshop, three dimensional computer visualization programs such as Bryce and 3D Architect, and “found” objects to explore and represent new forms and ideas. This class will encourage creativity and a non-technical appreciation for architectural design, culminating in the development of a presentation portfolio documenting the student’s explorations. Architectural Viewpoints is a course for students with an interest in an introduction to architecture.

## **ART AND DESIGN**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Art 1**

**Open to students in grades 9-12**

This is an art course that focuses on drawing, printing and design. Principles of design and abstract art are stressed. Problems are designed to extend the visual imagination of the student. Areas to be included are lettering, freehand sketching, painting, and collage. A variety of media will be used including colored pencil, magic marker, watercolor, tempera, and ink. Students will also be encouraged to work on three dimensional projects as extensions of their design ideas.

## **ART 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

This is a foundation course in design and art media. Two and three dimensional principles of art structure are taught through a variety of experimental exercises in visual organization of line, value, shape, texture, proportion, and movement. Students will learn to draw and paint, cut paper designs, and work in three dimensional paper sculpture design.

## **ART 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Art 1**

**Art 2** is a studio painting course that expands upon techniques used in Art 1. Slides, videotapes, and films are used to broaden the student's knowledge of multicultural art and art history.

## **COMPUTER GRAPHICS AND DESIGN**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

Computer technology has become an important aspect of the work created by the professional artist. **Computer Graphics and Design** will give the students a broad exposure to the ever changing field of commercial art. An Apple computer, flatbed scanner, and digital camera are used to enable the student to develop and refine their skills as an artist. Adobe Photoshop and Illustrator will be utilized. This is an important class for students of art, and it is an essential class for students who are considering art as a major in college.

## **CRAFTS 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

This is a course for students interested in exploring the many aspects of crafting. Students will explore a variety of projects using many different materials. Yarn and fabric basket making, Indian bead weaving, hand-built pottery, belt weaving, and rug punch pillows are a few examples of projects covered in **Crafts 1**.

## **CRAFTS 2**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: Crafts 1**

This course is designed to meet the needs of students with a Crafts 1 background. Students choose more complex craft projects that challenge their skills. Rug weaving, quilt-making, batik painting, and cross-stitching are a few examples of **Crafts 2** projects.



## **DANCE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Open to students in grades 9-12**

**Period 8 only**

The intention of this course is to provide a meaningful experience and breadth of knowledge of dance so that students may apply their knowledge to the creation of dance. Areas of study include Jazz, Modern, Hip Hop, choreography, and improvisation. Professional lectures, performances by professional dance troupes, field trips, and the National Competition are all integral components of this class.

## **SCULPTURE/CERAMICS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

This course is designed to give the student experience in three dimensional construction using a variety of conventional media and techniques. Realistic, abstract, and functional forms will be explored using clay, plaster, moldmaking, wood, and assemblage. Students will be exposed to the elements and principles of art and design through a series of projects that reflect on traditions from various times throughout history and from many different parts of the world.

## **ACCELERATED ART**

The Accelerated Art curriculum is designed for the serious student, who is prepared for the intellectual, technical and creative rigor needed for advancement in art.

## **AP STUDIO ART 1 & 2**

**Year Course**

**Credit Value: 5.0/year**

**Level of Instruction: AP**

**Prerequisite: Art ACC and departmental recommendation**

**Offered to students in grades 10 & 11**

**AP Studio Art** sets a national standard for performance in the visual arts. The course requires a more significant commitment of time and effort than most high school art courses, and is intended for students who wish to pursue serious study in the arts. Students submit portfolios to the College Board for evaluation. This course is comparable in content and difficulty to college level work.

## **ARCHITECTURAL VIEWPOINTS**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 9-12**

**Architectural Viewpoints** is a survey course of architectural history, planning and design, with a focus on hands-on learning. Students will explore their own built environment, and consider different views of what our environment might look like. Projects will include the use of Photoshop, three dimensional computer visualization programs such as Bryce and 3D Architect, and “found” objects to explore and represent new forms and ideas. This class will encourage creativity and a non-technical appreciation for architectural design, culminating in the development of a presentation portfolio documenting the student’s explorations. Architectural Viewpoints is a course for students with an interest in an introduction to architecture.

## **ARCHITECTURE: A HOLISTIC DESIGN APPROACH**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 9-12 with an art and computer background and an interest in architecture**

This advanced class considers the architecture of today in the broad context of our world, our life, our environment, and our planet with a major focus on hands-on activities. Students will explore their own built environment, and consider how ecology, advances in engineering, and product materials dovetail into the palette of the designer as we consider what our environment might look like in the future. Projects will include the use of Photoshop, three dimensional computer visualization programs such as Bryce and 3D Architect, CAD, and “found” objects to explore and represent new forms and ideas.

## **ART OF THE PICTURE BOOK**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 10-12**

This course is designed for the advanced art student who would like to pursue an interest in picture book illustration and design. Students explore the process of publishing from inception to final work. The student’s own manuscript will be used as a vehicle for the illustrations. Guest speakers, illustrators, and field trips will be integral parts of instruction.

## **ART 1**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 9-12**

This course is designed to explore color theory, drawing and painting. Units of study also include museum visits and art history. A number of studio projects are required as well as a major research paper.

## **ART 2**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Art 1 ACC and  
Departmental Recommendation**

This course is designed to explore color theory, student figure drawing, and painting. Interior designs, drawing from observation, and museum visits are also included. A number of studio projects are required as well as a major research paper.

## **ART 3**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Art 1 and 2 ACC and  
Departmental Recommendation**

The course is designed for the advanced student who intends to pursue a career in the arts. Studio projects, portfolio development, and presentations given by numerous colleges are integral components of the course.

## **CRAFTS 1**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

This is a course for the advanced student who may pursue a career in the arts. The student will explore a variety of projects using many different materials.

## **DANCE**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Open to students in grades 9-12  
Period 8 only**

The intention of this course is to provide a meaningful experience and breadth of knowledge of dance so that students may apply their knowledge to the creation of dance. Areas of study include Jazz, Modern, Hip Hop, choreography, and improvisation. Professional lectures, performances by professional dance troupes, field trips, and the National Competition are integral components of the class.

## **MHS AT FDU**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC**

**Prerequisite: Departmental Recommendation**

This advanced art course is a collaborative effort between Fairleigh Dickenson University Middle College Program and the Millburn High School Art Department, taught by Farleigh Dickenson's faculty. It is designed for the student who has completed all higher level art courses. The curriculum is supplemented with professional lectures, laboratory demonstrations, theatre art exhibits, and museum trips. In addition, the high school students use the varied resources of Farleigh Dickenson, including the campus libraries and computer facilities. Participating students may attain advanced standing and college credit through the Middle College Program.

## INDUSTRIAL ARTS

### WOODWORKING 1

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: CPA**

**Prerequisite: None**

**Open to students in grades 9-12**

This course offers the opportunity for students to work individually in general woodworking. The individual project approach emphasizes proper construction methods and techniques. The goal of this course is to develop an appreciation for craftsmanship.

### WOODWORKING 2

**Semester Course**

**Credit Value 2.5**

**Level of Instruction: CPA**

**Prerequisite: Woodworking 1**

**Woodworking 2** provides an opportunity for students to study advanced techniques in furniture building and cabinet making as well as to increase their proficiency in using power tools. The fundamentals of house construction and home maintenance are studied through group projects and the construction of models. Career exploration of opportunities available in the building trades and related fields is an integral part of this course.

## MUSIC

Choral Music	Music and Technology
Instrumental Music-Band	Musicianship
Instrumental Music-Strings	AP Music Theory Seminar
	Independent Study-Music

All music performance groups (Band, Chorus, Orchestra) are included in school rank determination and may be taken at either the CPA or ACC level. The class work is the same for both; however, the ACC level requires a commitment to additional and more intensive study. An ACC level student will develop an individual performance contract for each marking period and participate in monthly recitals. Membership in Chorale, Wind Ensemble, Orchestra, or Chamber Strings may also be required in addition to exemplary participation in Band, Chorus or Orchestra. Selection for ACC level is by audition with the Music Department staff.

### PERFORMANCE ENSEMBLES FOR GRADE 9

**Year Course**

**Level of Instruction: ACC/CPA**

**Credit Value: 5.0**

### PERFORMANCE ENSEMBLES FOR GRADES 10-12

**Year Course**

**Level of Instruction: ACC/CPA**

**Credit Value: 5.0**

The three courses listed below are open to any 9th, 10th, 11th, or 12th grade student who is interested in participating in a Music Performance Ensemble. All students are to register for the appropriate course number depending on grade. Sections will be made by the department staff.

**BAND:** Open to any student who plays a standard band instrument. Select ensembles including Wind Ensemble, Jazz Ensembles (Stage Band and Lab Band), and Orchestral Winds and percussion are by audition. Activities include concerts, football games, and various school and civic functions. Attendance at all of these events is required for membership and course credit. Ninth Grade Band is a separate ensemble and meets during its own rehearsal period.

**STRINGS:** Open to any student who plays violin, viola or string bass. Course requirements include participation in the String Ensemble. The Chamber Strings and Pit Orchestra are selected from the larger String Ensemble. Activities include concerts and various school and civic functions. Attendance at all of these events is required for membership and course credit. NINTH GRADE STRING PLAYERS will be scheduled with upper-class music ensembles because there is no ninth grade string ensemble during the ninth grade music rehearsal period. However, a string player who participates in band or chorus may take 10 credits of music by registering for the string ensemble with the upper-grade level ensembles and the appropriate Freshmen Ensemble as well.

**CHORUS:** Course requirements include participation in the Chorus. The smaller select ensembles include Chorale, Millburnettes and Millburnaires. These ensembles are selected by audition from the larger Chorus membership.

## **MUSIC AND TECHNOLOGY**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: ACC/CPA**

**Prerequisite: Departmental Recommendation**

**Some ability to read music and/or an elementary knowledge of keyboard is helpful**  
**Open to students in grades 9-12**

This is a course in music production, utilizing a completely equipped electronic music studio with MIDI instruments, computers, and software. Units of study include sound synthesis, sampling, sequencing, theory, digital audio recording, and computer-based notation. At the conclusion of the course, the student will create a CD with his/her final project.

## **MUSICIANSHIP**

**Semester Course**

**Credit Value: 2.5**

**Level of Instruction: ACC**

**Prerequisite: None**

**Open to students in grades 9-12**

This offering will give the student experience with music theory and also some sense of music history and appreciation. It is designed to introduce a student to the special types of thinking processes necessary to analyze a performing art form. The history portion will include a survey of the historical periods of music and a review of major composers. The theory portion will include a review of the basic notation of music and will include elementary theory up to four-part writing (a subject explored in depth in AP Music). Some experience with composition, sight-singing and improvisation may be included during the semester. THIS COURSE IS A PREREQUISITE FOR THE AP MUSIC COURSE.

## **ADVANCED PLACEMENT MUSIC THEORY SEMINAR**

**Year Course**

**Credit Value: 5.0**

**Level of Instruction: AP**

**Prerequisite: Musicianship and departmentally administered qualifying exam**

**Open to students in grades 11 & 12**

This offering will prepare the student to take the AP Music Theory Exam. Students will learn the language of music, including symbols, scales, intervals, chord construction, and four-part harmonization in the style of J.S. Bach. Solfeggio skills, which include ear-training and sight-singing, will also be developed.

## **INDEPENDENT STUDY - MUSIC**

**Semester Course**

**Credit Value: 1.0**

**Level of Instruction: Non-Ranked**

**Prerequisite: Departmental Recommendation**

**Open to students in grades 9-12**

This cannot substitute for membership in Band, Chorus or Orchestra but rather is designed for individual instruction in vocal or instrumental performance skills, music theory and literature, or related skills. Regular meeting times are arranged at the mutual convenience of students and staff.



## **PHYSICAL EDUCATION AND HEALTH**

Physical Education and Health are required courses of study in the state of New Jersey. To qualify for the Millburn High School diploma, a student must pass four years of the required program.

### **PHYSICAL EDUCATION**

Physical Education is a coeducational program. The 9th graders are enrolled in a prescribed course of study that includes fitness concepts, team games, and cooperative activities. These courses will provide the groundwork and reinforcement for the students' remaining years in our district.

Students in grades 10-12 will be offered specific activities by marking period. Students will have the opportunity to select particular activities that include fitness and strength training, aerobics, Adventure Education which includes cooperative team building, and a variety of team and individual activities.

### **INDEPENDENT STUDY - PHYSICAL EDUCATION**

Students who wish to pursue independent study in physical education must complete all appropriate forms during the first two weeks of the semester. No applications will be accepted after that date. These forms may be obtained from the Health or Physical Education Departments. If approved, students will be scheduled for study hall during their physical education class. Students who fail to attend study hall will be removed from independent study. STUDENTS MUST PARTICIPATE IN HEALTH EDUCATION FOR ONE (1) MARKING PERIOD.

INDEPENDENT STUDY CONTRACTS IN PHYSICAL EDUCATION WILL BE APPROVED ONLY FOR HIGH SCHOOL STUDENTS INVOLVED IN AN INDIVIDUALIZED, RIGOROUS TRAINING PROGRAM OF AT LEAST 18 HOURS PER WEEK WHICH PREPARES THEM FOR COMPETITION IN A SPORT ON AN ELITE OR NATIONAL LEVEL. TRAVELING TEAMS OR INDIVIDUALIZED STRENGTH TRAINING PROGRAMS WILL NOT BE APPROVED.

## **HEALTH EDUCATION**

The Millburn High School Health Education curriculum is based on the philosophy that students need to develop an understanding of various health related topics in order to maintain a healthy lifestyle. It is the goal of Health Education Department and our Health Instructors to stay current with the constant changes in scientific data that occur in many of the health related fields. It is imperative that students are able to make healthy, educated and responsible decisions concerning their lifestyles for today and in the future. Students will receive one full marking period of health.

### **FRESHMAN HEALTH**

The ninth grade curriculum will include male/female reproductive systems, human sexuality, drug/alcohol use, misuse and abuse, decision-making skills, refusal skills, sexually transmitted diseases, and AIDS education.

### **SOPHOMORE HEALTH**

All tenth grade students will take a Drivers' Theory Course. The course is designed to develop an awareness in students of the many physical, psychological, environmental, legal, social, and economic factors that are involved when an individual gets behind the wheel of an automobile.

### **JUNIOR HEALTH**

The eleventh grade curriculum will include human anatomy and physiology, dating, sexual behavior, rape prevention, marriage, abstinence, contraception, pregnancy and birth, sexually transmitted diseases, drug/alcohol use, misuse and abuse, cancer, heart disease, AIDS education, and decision-making skills.

### **SENIOR HEALTH**

The twelfth grade curriculum broadens the student's awareness of such topics as drug/alcohol addiction, sexual abuse and AIDS. It emphasizes the concept that maturity implies responsible behavior and reflects a person's level of growth in meeting the challenges of society. The purpose of the course is to help prepare the seniors for life after graduation.



**SCHEDULING WORKSHEET**

**First Semester**

Course Number

Course Name


**Second Semester**

Course Number

Course Name


## **SCHEDULING WORKSHEET**

### **First Semester**

Course Number

Course Name


### **Second Semester**

Course Number

Course Name


## **NOTES**

## **NOTES**