

# BISHOP IRETON HIGH SCHOOL



Advance Always in Christ Through the Legacy of the Gentle Saint, Francis de Sales

## Course Catalog

### 2009–2010 Edition





# *Dear Members of the Bishop Ireton High School Community,*

This course catalog has been compiled to help students and their parents make informed decisions regarding their course selections for the 2009 – 2010 academic year.

Parents and students are asked to carefully review this catalog in order to make realistic decisions. Consider student ability and interests, past academic performance, and future goals in deciding which courses to select. Please pay special attention to course requirements for placement in Honors or AP level classes. Students must meet all prerequisites/requirements in their entirety to be considered for placement in Honors and AP level courses. Placement in Honors and AP level courses will be made upon a review (at the end of the school year) of the student’s final grades in the preceding/prerequisite course(s). Students enrolled in AP and/or Honors courses are expected to maintain a grade of at least B in those courses and may be dropped from those courses at the discretion of the teacher and administration if they perform below this standard. Note that school policy prohibits student/parent requests for particular teachers and/or specific schedules (i.e. first period free); such requests will not be accepted.

Remember that students do not have to be in all Honors or AP courses in order to be accepted into a good college or university. Students and their parents are urged to consult the Office of Counseling Services if they have questions about the impact of course selection on college acceptance. Keep in mind that in order to prepare properly for class each night, students should plan to study 20 – 30 minutes a night for each CP level course, about 45 minutes a night for each Honors level course, and about one hour a night for each AP level course. Consider these time factors carefully when selecting courses as students will be required to stay in courses they register.

Course placement is at the discretion of the School Administration and will be made based upon students’ course requests and fulfillment of the stated course prerequisites for Honors or AP level courses at the end of the current school year. Note: All students who intend on taking AP courses next year must attend an AP Introduction Night with a parent. This does not insure your placement in AP. A student must pass all the prerequisites in order to be formally admitted to the course. Students and their parents will receive course placement information with the final report card in June.

ADVANCE ALWAYS IN CHRIST THROUGH THE LEGACY OF THE GENTLE SAINT, FRANCIS DE SALES

## **TABLE OF CONTENTS**

COURSE	CODE	PAGE	COURSE	CODE	PAGE
Curriculum Overview .....		3	Science .....	400	15
Community Service Hours & Retreats ....		4	Physical Education and Health ....	500	17
Religion .....	000	6	Foreign Language .....	600	17
English .....	100	7	Fine Arts .....	700	19
Social Studies .....	200	10	Computer Science .....	800	22
Mathematics .....	300	13			

# Bishop Ireton High School

## Minimum Requirement for Graduation: 26.5 Credits

Religion .....	4.00 Credits
English .....	4.00 Credits
Social Studies .....	4.00 Credits
Mathematics .....	4.00 Credits
Language .....	3.00 Credits ..... 4.00 Credits*
Science .....	4.00 Credits **
Physical Education/Health .....	1.50 Credits
Fine Arts .....	1.00 Credit
Computer Science .....	1.00 Credit

Required Community Service

\* Two years of a foreign language followed by two years of another language may be substituted.

\*\* 9<sup>th</sup> Grade students who qualify for initial placement in Biology are required to take 3 years of Science. No credit for 8<sup>th</sup> grade Science.

## GRADING SYSTEM

<b>A</b> .....	93 to 100
<b>B+</b> .....	91 to 92
<b>B</b> .....	85 to 90
<b>C+</b> .....	83 to 84
<b>C</b> .....	77 to 82
<b>D</b> .....	70 to 76
<b>F</b> .....	Below 70
<b>I</b> .....	Incomplete (Course requirements not fulfilled)

WP – Withdraw Passing

WF – Withdraw Failing

## THE GPA (GRADE POINT AVERAGE) IS DETERMINED ACCORDING TO THE FOLLOWING TABLE:

	A	B+	B	C+	C	D	F
<b>Advanced Placement</b>	5.0	4.4	4.0	3.4	3.0	2.0	0.0
<b>Honors</b>	4.5	3.9	3.5	2.9	2.5	1.5	0.0
<b>College Preparatory</b>	4.0	3.4	3.0	2.4	2.0	1.0	0.0

## DEAN'S LIST

**First Honors** — Average grade of 4.0 or above

**Second Honors** — Average grade of 3.50 to 3.99

**With no failures and no incompletes**

## FAILURE POLICY

A student who fails a semester or a full year course at the final grade must pass that course in an approved summer school before being readmitted to Bishop Ireton High School. Failed courses may not be repeated during the school year. Seniors who receive failures will not receive their diplomas and will not participate in graduation exercises until all failed courses are passed in an approved summer school. Failed courses may NOT be made up by tutoring.

At the end of each school year, the Vice Principal for Academics will advise the Principal of the names of students whose GPA for the year falls below 1.8. The academic records of those students will be reviewed. Teachers and appropriate administrators will be consulted. After the review process, students with a GPA lower than 1.8 may be academically dismissed from Bishop Ireton High School. Any student who fails two courses at the final grade may be asked to leave.

## FRESHMAN

SUBJECT	CREDIT
Religion	1.00
English	1.00
Math	1.00
Science	1.00
Social Studies	1.00
Language	1.00
Health/P.E.	0.50
Computer Science	0.50
Fine Arts	optional

## SOPHOMORE

SUBJECT	CREDIT
Religion	1.00
English	1.00
Math	1.00
Science	1.00
Social Studies	1.00
Language	1.00
Health/P.E.	1.00
Fine Arts	optional
Computer Science	optional

## JUNIOR

SUBJECT	CREDIT
Religion	1.00
English	1.00
Math	1.00
Science	1.00
Social Studies	1.00
Language	1.00
P.E.	optional
Fine Arts	optional
Computer Science	optional

## SENIOR

SUBJECT	CREDIT
Religion	1.00
English	1.00
Math	1.00
Science	1.00
Social Studies	1.00
Language	recommended
P.E.	optional
Fine Arts	optional
Computer Science	optional

## IMPORTANT NOTES:

- All students are required to enroll in a *minimum* of six *structured* courses each semester.
- Credit will be granted for a Language I and/or Algebra I taken in eighth grade upon successful completion of Language II and/or Honors Algebra II/Trig.
- Students may add a course during the 1st full class cycle of each semester.
- A student may withdraw from a full year elective course if it is done before the end of the first cycle of the second quarter, or in a semester class, until the end of the first class cycle of the 2<sup>nd</sup> semester with the written permission of the Vice Principal for Academics. A student may withdraw from a semester elective course if it is done before the end of first cycle after the initial mid-quarter.
- No structured courses will be offered for less than 15 students unless authorized by the Vice Principal for Academics.
- All students are required to perform community service in order to graduate (*please see page 4 for full details*).
- Course change requests for a different/specific teacher will not be approved. After the deadline for class changes occurs, students will only be permitted to change courses if they must change from an honors level courses to a college preparatory level course, or an AP level course to a college preparatory level course. All course placement decisions are at the discretion of the School Administration.
- All students enrolled in an AP course are required to take the corresponding AP Exam.



## CUMULATIVE COURSE POLICY

A student who receives a grade of “D” as the final grade for the year in any Foreign Language or Mathematics course must make-up the course in an approved summer school program prior to continuing their study in Foreign Language or Mathematics. Students may make up the course by:

- Re-taking the course in an approved summer school program. Students will retain their grade of “D” but will also have the summer school grade entered on their official record,  
— or —
- Receiving 30 hours of tutoring from an approved tutor. Tutors will be asked to give students a grade for their work and students will also be required to take the Bishop Ireton final examination. Students will retain their grade of “D” but will also have the summer school grade entered on their official record. (2/3 tutor; 1/3 exam),  
— or —
- Receiving 15 hours of tutoring from an approved tutor. No grade will be given for the tutoring.

## ATTENDANCE REGULATIONS

- Good attendance contributes directly to academic success; therefore, students are expected to attend all classes every day.
- Absence from school or class shall be for approved reasons only and a minimum number of absences shall be permitted. Truancy from school or class shall not be an acceptable reason for absence.
- Any absence from the school building not approved by the principal, vice principals or dean of students is a truancy.
- Students absent without an acceptable reason (see BIHS Handbook for details) shall incur the relevant consequences.
- All absences will be noted on a student’s permanent record.
- Bishop Ireton High School adheres to the following attendance guidelines to determine when academic credit may be given:
- Continued tardiness on the part of a student has a cumulative effect on his or her disciplinary and academic record. Promptness and responsibility must be learned now to prepare for the demands of the working world. To reinforce this policy, four incidents of tardiness will be counted as one unexcused absence. Students with 4 or more “Unexcused” absences in any quarter *or* students who accumulate 5 or more “Excused” absences in any quarter, may receive a grade of “NC” (No Credit) for that quarter, or at the discretion of the Principal, be required to arrange for homebound instruction or tutoring to compensate for lost instruction in order to receive course credit. In addition, habitual tardiness may lead to the necessity of a parent conference with the Vice Principal of Academics and/or the Dean of Students.

## COMMUNITY SERVICE HOURS & RETREATS

As a Catholic School in the Salesian tradition, Bishop Ireton is committed to preaching and modeling the Church’s mandate that service rooted in justice is a constitutive element in preaching the Gospel. Students will be challenged to do acts of service leading them to encounter Christ in the poor, dispossessed, and marginalized which offer the students a lifelong possibility of charity.

The Bishop Ireton Community Service requirement is not merely “service for service sake,” but stems from our belief that our students should share their talents eagerly for the betterment of society and that they should recognize their responsibility for making the world a better place. The program is designed to provide service experiences that increase in depth and intensity as the student matures. Sixty hours of Community Service will be performed by the student prior to graduation from Bishop Ireton High School over the four year course of study.

Students will also participate in a retreat each year. The focus is different for every grade.

### REQUIREMENTS

**Freshmen:** 10 hours service to be completed during the school year, five in each semester.

*Type of Service to be Performed:* Service to the Bishop Ireton High School community OR service in the name of the school community (group sponsored service projects such as the March for Life, Walk for the Homeless, Friends of Rachel).

*Retreat Theme: Class Unity.* Freshmen attend a half day retreat during Orientation week. The retreat focuses on an introduction to St. Francis de Sales, Salesian Spirituality, and “getting to know you” activities. The retreat is led by seniors who attended Salesian Leadership Camp. Freshmen learn the Direction of Intention prayer and the Salesian theme for the year. The retreat concludes with a prayer service. A second activity is planned during a freshman health class. Community service requirements are discussed in detail.

**Sophomores:** 10 hours service to be completed during the school year.

- *Type of Service to be Performed:* Service to the Church (local parish or diocese), five of which may be related to the Sunday Mass or service, the other five must be done at another time; OR service to a non-profit civic organization (e.g., the Red Cross).
- Service must be performed outside of school hours.
- *Retreat Theme: Outreach.* Sophomore retreats are held throughout the year for groups of 15 students. The retreat focuses on outreach in preparation for the junior service hours requirement. Students go to either St. Martin’s Senior Center or St. Rita Elementary School and work directly with senior citizens or children. They return to BI, process what they have done, and do various retreat activities which promote social justice. The retreat concludes with a prayer service.
- **Juniors:** 30 hours of service performed during the semester the student is enrolled in the Christian Social Concerns (CSC) course in order for the teacher to provide input and direction for the service. Any exceptions, such as performing service during the

# Bishop Ireton High School

summer before the start of the 11th grade, require approval in advance from the Director of Campus Ministry or the CSC teacher.

*Type of Service to be Performed:* Of the 30 required hours, students may only perform their hours in two places. Twenty hours must consist of direct service to the poor, dispossessed, or marginalized. The remaining 10 hours can be a continuation of the first 20 hours of service. It can also be spent in work for the Church or at a local non-profit organization. Juniors are required to make use of the CSC forms which provide a way to hold students accountable for the hours. They also provide opportunity for the on-site supervisor to provide feedback on the quality of the service given by the student. At the end of the Christian service experience, students must write a six page reflection paper on their service.

*Retreat Theme: Who am I?* Junior retreats are held throughout the year in groups of 25-30 students. Students travel to Our Lady of Mattaponi Youth Retreat and Conference Center in Upper Marlboro, Maryland. The students are invited to reflect on more serious topics of their personal lives such as decision making, their belief in God and their philosophy for life. They are given time to do guided journaling and sharing. They also do team building exercises and conclude with a prayer service.

**Seniors:** 10 hours of service to be completed by the end of the school year.

*Type of Service to be Performed:* Direct, person-to-person(s) service (unrelated by friendship or family) service for the poor, dispossessed or marginalized, OR service which has a direct impact on the poor, dispossessed or marginalized (e.g., organizing a "Dresses for Prom" or "Habitat for Humanity fundraising drive"). Service must be performed outside of school hours.

*Retreat Theme: The Emmaus Walk.* Senior retreats are held throughout the year for 25-30 students. They travel to Shepherd's Springs Retreat Center in Sharpsburg, MD, for an overnight retreat. The theme for the retreat is the Emmaus Walk and focuses on the student's journey through life: who they are, what they believe, and their relationship with self, others and God. Several talks are given and followed by small group reflection and sharing. There is time for social activity and prayer. Parents are asked to write a letter to their child, which often is the highlight of the retreat.

## EXAMPLES OF SERVICE PROJECTS

Bishop Ireton High School encourages a wide variety of volunteering and service activities. We intend that service provides students with the opportunity to draw on and to share their present gifts and abilities and to expose them to people and situations that are different from what they already know and do well.

Service that involves working with people who are disadvantaged, poor, dispossessed or marginalized includes helping the poor, homeless, handicapped, the elderly, those who are sick, children of elementary school age or younger, and immigrants. Examples of this type of service include working at a soup kitchen or family shelter, working at Special Olympics or at a handicapped learning center, visiting a nursing home, working as a hospital volunteer, tutoring young students, helping people with their English, coaching disadvantaged or underprivileged young children, assisting at a day care center, participating in a "work camp," or working with Head Start or Habitat for Humanity. All service

hours should reflect the type of service required for that particular academic year.

## FORMS & GUIDELINES

All students are required to make use of the *service log* and *supervisor evaluation form*, which can be found on the school website, and which are available from the religion teacher or Director of Campus Ministry. At the end of the service experience, students will write a reflection paper. The assignment will be given by the religion teacher and will reflect the themes and goals of the class.

Ordinarily, service hours are to be done during the academic year in order that the class and the religion teacher can give input and direction for service. However, it is permissible for students to perform their hours during the summer prior to the upcoming school year. Any student who chooses this option must seek approval in advance from the Director of Campus Ministry ([Kelly@bishopireton.org](mailto:Kelly@bishopireton.org)) or, for juniors only, the teacher of the Christian Social Concerns class. Failure to obtain prior approval may render the service performed invalid for credit.

## CONSEQUENCES FOR NOT PERFORMING SERVICE

*Freshmen, Sophomores and Seniors:* Failure to complete the required number of hours and/or failure to turn in a completed reflection paper will result in the lowering of the student's second semester grade by one level for each hour of non-performance. In other words, a student who earned an "A" and who does only 9 hours of service will receive a "B," 8 hours of service a "C," 7 hours of service a "D," 6 or less hours of service an "F." (Please note that a "C+" grade will be lowered to a "D"; a "D" to an "F.") Once the ten hours have been completed after the end of the second semester, the students' grade may be changed back to the earned grade at the discretion of the Vice Principal for Academics, the religion teacher, and the Director of Campus Ministry.

*Juniors:* Failure to perform the 30 hours will result in an "F" grade in the course. The 30 hours of service must be completed in order to graduate from Bishop Ireton. Community service hours completed after the end of the semester in which they are due will result in a grade for the course no higher than "D."

There will be no carry over of hours from one year to the next. Seniors who are behind in their service hours will be reminded at the start of each semester that missing service hours may jeopardize their graduation plans if not completed by the published dates.

## OTHER NOTES REGARDING COMMUNITY SERVICE HOURS

- The student shall not be paid in any way for the service they will perform.
- The student is responsible for obtaining their own service positions.
- Bishop Ireton is not responsible for transportation.
- The student must obtain parental approval for their placement.
- Any service hours required for any other club or organization will not count for credit for this requirement.



# RELIGION CURRICULUM

**010 The Revelation of Jesus Christ in Scripture**  
 .50 Credit Grade 9  
 The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

**014 “Who is Jesus Christ?”**  
 .50 Credit Grade 9  
 The purpose of this course is to introduce students to the Mystery of Jesus Christ, the Living Word of God, the second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

**020 The Mission of Jesus Christ (Paschal Mystery)**  
 .50 Credit Grade 10  
 The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. Jesus Christ’s Mission.

**024 The Mission of Jesus Christ Continues in the Church**  
 .50 Credit Grade 10  
 The purpose of this course is to help students understand that in and through the Church they encounter the Living Jesus Christ. They will be introduced to the establishment of the Church, founded by Christ, built on the Apostles and sustained by the Holy Spirit, and how this same Church guides believers into all truth. The sacred nature of the Church, as a living Body and presence in the world, will be seen manifest and applied to a number of contemporary moral issues facing the Church today. These social issues facing the Church will be examined and presented in order for students to see how to critically and informatively deal with these current challenges. Moreover, students will learn how Christ’s concern for others, especially the poor and needy, is present today in the Church’s social teaching and mission.

**030 Church and the Sacraments**  
 .50 Credit Grade 11  
 The purpose of this course is to allow the maturing students to deepen their understanding of the Church in all its facets. To accomplish this, three questions will be raised: “What is the Church?”; “What does the Church do?”; “How do we recognize the Church?” In addition, particular emphasis will be placed on investigating the deeper meaning and liturgical celebration of each of the Church’s Sacraments.

**034 Christian Social Concern**  
 .50 Credit Grade 11  
 Recognizing that isolation in the face of social problems and inequalities are denials of the Gospel message of compassion; the students in this course must go and make the influence of Christian love alive in the community. Students will receive a background in the volunteer situation, perform 30 hours of service, and periodically reflect on their experience with the aid of the instructor. An on-site evaluation will be required of each service project chosen by the student.

**040 Love, Sex, Marriage and Family**  
 .50 Credit Grade 12  
 This course begins with the study of the notion of love, false love, the problem of developing a relationship with another, and the ability to recognize true love as opposed to infatuation. A study of the aspects of masculine and feminine stereotypes and roles, the question of homosexuality, pre-marital sex, and the morality of sexual actions will be included. The course will review male/female anatomy, physiology, sexual functions, pregnancy, intercourse, venereal disease, and abortion.

Marriage will be considered as a social institution forming the basis of the human community, as an on-going experience between two people, and as a means of salvation and witness to the presence of God in the world (the Christian Sacramental marriage).  
 Various problems and responsibilities for marriage preparation and the celebration of the sacrament will be discussed. The course will conclude with the theoretical and practical aspects of family living.

**046 Salesian Spirituality**  
 .50 Credit Grade 12  
 Salesian Spirituality is a senior level course that will examine the spirituality of St. Francis de Sales and St. Jane de Chantal. The course will attempt to understand the basic tenets of their spirituality through an overview of their lives and times, their friendship, and their works, independently and collaboratively. The course will strive to integrate both current and historical examples of Salesian spirituality, and show students how aspects of Salesian spirituality such as Salesian virtues, prayer, and anthropology enable and enhance our living of gospel values.

**060 Honors Introduction to Philosophy**  
 .50 Credit Grades 11, 12  
*PREREQUISITES: A or B+ in sophomore college preparatory history. A, B+ or B in honors or AP history or permission from the instructor.*  
 This one semester honors elective course will examine the history and critical thinking skills involved in the study of philosophy. Rules of logic and debate will be taught and put into practice in order to help to reinforce the teachings of the great philosophers throughout history. Ancient, medieval, modern, existentialist and postmodern philosophy will be explored in depth within their historical contexts. An emphasis will be placed on aesthetics and thus this course may count towards Fine Arts credit.

# Bishop Ireton High School

## ENGLISH CURRICULUM

### 111 Honors Freshman English

1.00 Credit

Grade 9

*PREREQUISITE: Grade of A in eighth grade English and/or Reading Class and verbal test scores at 90% or higher on the High School Placement Test.*

This course is structured around an intensive survey of ancient world literature within its historical and philosophical contexts. While a Prentice-Hall anthology is used for survey selections, four core summer readings: *Siddhartha*, *The Bleeding of the Stone*, *The Joy Luck Club*, and *The Odyssey*, provide in-depth studies of multi-cultural works as does *Romeo and Juliet* which is assigned during the year. Honors students are highly motivated and mature students who pursue complex material with emphasis on interdisciplinary connections. In Honors Freshman English, students prepare an advanced portfolio of creative writing, while simultaneously advancing their persuasive and expository skills. To develop their powers of analysis and synthesis, honors students participate in seminar style discussions and write paragraphs and essay questions with complex topics. Research skills and essay writing are introduced; a review of grammar as well as vocabulary in context provides support for the writing program.

### 112 College Preparatory Freshman English

1.00 Credit

Grade 9

This course is structured around a challenging survey of ancient world literature. While a Prentice Hall anthology is used for survey selections, two summer reading selections, *The Odyssey* and *Siddhartha*, provide the opportunity for in-depth study as does *Romeo and Juliet*, which is assigned during the year. The purpose of the freshman curriculum in English is to help entering students develop an appreciation for and practical knowledge of the modes of literary expression and to prepare themselves for advanced work in English. Particular emphasis will be placed upon writing skills including prewriting, developing paragraphs, organizing and revising. Expository, descriptive, narrative and persuasive compositions will be introduced with the emphasis on paragraph and theme development. Essay writing will be introduced. The students will maintain a portfolio. Other related skills include vocabulary in context, speaking, library and test-taking strategies. The course provides a review of the fundamental of English grammar and punctuation.

### 120/ AP European History/Advanced 220 Sophomore English

2.00 Credits

Grade 10

*PREREQUISITES:*

- *Grade of A in Honors World History and A in Honors Freshman English*
- *Recommendations from 9<sup>th</sup> grade teachers*
- *Writing Sample done in the spring*
- *Completed Summer Reading Journal*

This combined Social Studies and English course will prepare sophomore students for the AP European History exam and will also serve to prepare students for the AP English Literature course and exam in their senior year. The history portion of the course will cover the late Middle Ages to the present. The literature will support the historic chronology as well as enhance it with additional

literary works from other eras and cultures. Emphasis will be placed on the analysis of political, intellectual, literary and cultural themes. Particular concern will be placed on the students' abilities to incorporate their knowledge into well-written essays such as those given on the AP exam. Students will work to improve their grammar and vocabulary through literature, historical documentation, and writing. In addition, students will work in the area of oral communication, including classroom discussion, oral interpretation, and student reading of their own writing.

*A grade of B or better at the end of the first quarter will be required to continue, or the student will be dropped to the CP level courses.*

*This course will be taught by two instructors: one Social Studies teacher and one English teacher. Course offering contingent upon staffing availability.*

### 121 Honors Sophomore English

1.00 Credit

Grade 10

*PREREQUISITE: A or B+ and permission of the instructor in Honors Freshman English or A in College Preparatory Freshman English.*

This course is structured around an intensive survey of world literature. While a Prentice Hall anthology is used for survey selections, three core readings: *The Merchant of Venice*, *Night*, and *In Search of Fatima*, taught during the school year, and four summer reading selections, *Yvain*, *The Night With the Lion*, *The Once and Future King*, *All Quiet on the Western Front* and *Cry The Beloved Country* are used to enhance the students' ability to analyze texts and articulate ideas. The emphasis is on world literature with students reading in a variety of genres (short stories, novels, poetry, drama, nonfiction) by writers of various ethnic origins. In addition, the literature is placed in its historical and cultural context. This course continues to build the reading, writing, and grammar skills developed in ninth grade. Grammar and vocabulary skills will be addressed as an adjunct to the writing curriculum. Writing assignments include enhanced levels and types of compositions, but the emphasis is on essay writing. Students will continue to develop oral communication skills as they engage in literature seminars.

### 122 College Preparatory Sophomore English

1.00 Credit

Grade 10

This course is structured around a challenging survey of world literature. While a Prentice Hall anthology is used for survey selections, six core readings: *The Merchant of Venice*, *Cry the Beloved Country*, and *Night*, which are taught during the school year, and *Yvain The Knight with the Lion*, *The Once and Future King*, and *All Quiet on the Western Front*, which are summer reading selections, are used to enhance the students' ability to analyze texts and articulate ideas. The emphasis is on world literature with students reading in a variety of genres (short stories, novels, poetry, drama, nonfiction) by writers of various ethnic origins. In addition, the literature is placed in its historical and cultural context. This course continues to build upon the reading, writing, and grammar skills developed in ninth grade. Grammar and vocabulary skills will be addressed as an adjunct to the writing curriculum. Writing assignments include various levels and types of compositions, but the emphasis is on essay writing. Students will continue to develop oral communication skills through class discussion, interpretation and presentations of their own compositions.



**130 AP English Language and Composition**  
 1.00 Credit Grade 11, 12

*PREREQUISITE: A in previous English course, recommendation of instructor and satisfactory writing sample submitted at the end of sophomore year. In addition, to stay in this class, students will be required to receive a passing grade on the summer reading exam.*

This is a college level course and students may, by good performance on the AP exam, obtain up to one year of college credit and/or Advanced Placement in college composition. The course includes both reading and analysis of discursive prose and the study of the writing process – from discovery of the topic to the preliminary drafts to the final edited version. Students will study examples of prose and poetry from various fields and periods primarily in American Literature. These examples will serve as models of effective styles and students will write on a variety of writing assignments calling for the use of different styles and tones. Through such study and practice, students gain an understanding of the principles of effective writing and become effective writers themselves. Finally, the organized study of the structures of sentences, paragraphs, and larger discursive patterns introduces students to the semantic, structural, and rhetorical resources of the language. While this course is open to all juniors and seniors who meet the requirements, seniors must also enroll in Senior English.

**131 Honors Junior English**  
 1.00 Credit Grade 11

*PREREQUISITE: A or B+ and permission of the instructor in Honors Sophomore English or A in CP Sophomore English*

This course is structured around an intensive survey of American literature. While a Norton anthology is used for survey selections, five core readings: *The Great Gatsby*, *One Flew Over the Cuckoo's Nest*, *Native Son*, *The Adventures of Huckleberry Finn*, and *the Scarlet Letter* are used to enhance the students' ability to analyze texts and articulate their ideas. These texts, all read over the summer, also serve to broaden and deepen awareness of the various social and historical conflicts that have forged the American identity. This course, which focuses on the period from the Colonial period to the 20<sup>th</sup> century, includes an intensive examination of the writings from past American authors who have been at the epicenter of social and historical conflicts and thus laid the foundation for American Literature. The course will consider such things as America's sense of destiny; the tension between individual rights and social imperatives; the encounter of black, red, and white on this continent; changing perspectives on nature; the old world versus the new; the American dream; and the American nightmare. Vocabulary, critical reading and writing skills developed in previous years are expanded, with frequent opportunities for students to write creatively and to demonstrate their research and analytical skills in two required critical analysis papers. Class discussions serve as the basis for oral communication skills. In addition, each student will deliver several prepared oral presentations to the class as a member of a group and individually. This course demands a higher level of critical thinking and analysis from exceptionally motivated students who are willing to read and write considerably above and beyond the College Preparatory level.

**132 College Preparatory Junior English**  
 1.00 Credit Grade 11

This course is structured around a challenging survey of American Literature. While the Prentice Hall anthology is used for survey selections, *Native Son*, *Catcher in The Rye* and *A Raisin in the Sun*, along with two summer reading selections, *The Adventures of*

*Huckleberry Finn* and *The Great Gatsby*, are used to enhance the students ability to analyze texts and articulate their ideas. The curriculum is designed to give students a foundation in American literature and to broaden and deepen their knowledge of American culture. This course emphasizes the ability to speak and write clearly and effectively, to use research materials creatively, to analyze and interpret written materials of all kinds, to analyze human motivation—skills demanded in almost any occupation. In this course, students will use the writings of past American authors to reach back through time and peer into the social fibers of America's very beginnings. Students will learn more than historical facts. As a class, students will share in the intense emotions of early Americans, strive to understand their thoughts and comprehend the remarkable circumstances that shaped the nation and laid the foundation for American Literature. Students will continue to utilize the writing process that they learned in previous years in order to write a clear, concise, cohesive, critical analysis.

**140 AP English Literature and Composition**  
 1.00 Credit Grade 12

*PREREQUISITE: A in Honors Junior English and passing grade on summer exam.*

AP English Literature is a college level introductory course in reading, composition and critical analysis of literature. AP English Literature is a challenging and stimulating experience that requires more effort, gives greater opportunity for individual accomplishment and probes deeper into both the content of literature and writing experience than CP Senior English. The course is designed to develop a high degree of analytical powers through independent analysis of poems, novels, plays, short stories and essays. Through a wide range of reading and writing, students will develop skills in effective reading and writing. This seminar-structured course explores recurring literary themes and universal concerns in literature which can foster keen minds and empathetic hearts. Final admission is contingent upon successful completion of the AP summer project and reading test. All AP students must take the AP exam to obtain credit for this course. Successful completion of an annotated bibliography is a graduation requirement.

**141 Honors Senior English**  
 1.00 Credit Grade 12

*PREREQUISITE: A or B+ and permission of the instructor in Honors Junior English or A in CP Junior English.*

This course is structured around an intensive survey of British Literature. While the Prentice-Hall anthology is used for survey works, the primary critical texts center on seven core readings: *Beowulf*, *Grendel*, *The Canterbury Tales*, *Macbeth*, *Frankenstein*, and *The Lord of the Flies*. Our Honors program enables talented, highly motivated and mature students to pursue complex material in greater depth and with more interdisciplinary connection than the CP course. Generally speaking, Honors Senior English is less concerned with objective tests for evaluation. Seminar discussion, multi-media materials, rhetorical essays, alternative assessment projects and vocabulary in context provide the students with stimulating insights and challenges, while developing their powers of analysis and synthesis. Students will demonstrate their research skills in a major project written third quarter. Successful completion of the annotated bibliography is required for graduation and passing Honors Senior English.

# Bishop Ireton High School

## 142 College Preparatory Senior English

1.00 Credit

Grade 12

College Preparatory Senior English is a challenging course structured around a survey of British literature. While a Prentice Hall anthology is used for the survey selections, *Macbeth*, as well as the two summer reading texts, *Frankenstein* and *Lord of the Flies* are used to enhance the students' ability to analyze texts and articulate ideas. The course includes extensive writing practice, including the twenty-minute essay and the college essay. Emphasis is placed on mastery of correct English usage, vocabulary and punctuation. Oral skills are stressed through class discussion and individual oral reports. While research skills are practiced throughout the year, research, writing and the integration of critical reading and thinking skills culminate in an annotated bibliography, which is a graduation requirement.

## 150 Introduction to Creative Writing

.50 Credit

Grade 11, 12

Introduction to the theory and practice of poetry, fiction, non-fiction. This workshop-based class is designed for the student who has been interested in creative writing and the study of the nature of the imagination in the creative process. While reviewing practical advice on developing, drafting and refining their own work, students will focus on the multiple literary genres: poetry, fiction/non-fiction. Students will be given experiments/exercises in form and will have the opportunity to discuss their work in a critical but supportive environment. In addition, they will look at contemporary published work to understand current literary conventions and style. Students may repeat this course one time with the permission of the instructor and the Vice Principal for Academics. This course may be applied as a Fine Arts credit.

## 155 Public Speaking

.50 Credit

Grade 11, 12

This course covers the physical aspects of speaking before an audience and different principles of rhetoric. Students will be required to compose and deliver a series of speeches before the class. Students will also have the opportunity to review videotapes of their speeches. This course may be applied as Fine Arts credit.

## 161 Special Topics in Film

.50 Credit

Grade 11, 12

A semester course that will consider the varying themes in film study. The Savior and the Silver Screen: images of Jesus as reflected in the ongoing culture (*King of Kings*, *The Greatest Story Ever Told*, *Jesus of Nazareth*, *Jesus of Montreal*, *Jesus Christ Superstar*, *Godspell*, *Passolini's Gospel of St. Matthew*, *Jesus: 2001*). Reel Class: Teens in the classroom & film. Depictions of the social and psychological world of the teen from the 50's to the present (*Blackboard Jungle*, *Dead Poets Society*, *Mr. Holland's Opus*, *Dangerous Minds*, *Stand and Deliver*, *To Sir with Love*, *Goodbye Mr. Chips*, *The Prime of Miss Jeanne Brody*, *Finding Forrester*). Imagining the Divine: Expressions of the sacred in 20th century film (*Close Encounters of the Third Kind*, *Cool Hand Luke*, *Babette's Feast*, *Seventh Seal*, & others). Myth and Movie Magic: Joseph Campbell's archetypes in 20<sup>th</sup> century film (*The Fisher King*, *Monsignor Quixote*, *ET*, *Frankenstein*, *Excaliber*, *Unforgiven*, *Star Wars*, *Edward Scissorhands*). Literature and Film: novel adapted for the screen – American and British. (These will vary from semester to semester. We will consider drama, sci-fi, foreign film and fantasy.) Other themes may be "Coming of Age," "Families," "Belonging," and "Love and Romance." This course may be applied as Fine Arts credit.

## 170 Journalism I: Writing of School News

1.00 Credit

Grade 10, 11, 12

*PREREQUISITE: Recommendation of English teacher.*

Journalism I students begin the year with an intensive study of the principles of journalism, including style, rules, and ethics. Using the AP stylebook, students master the necessary skills to write for the school newspaper as well as any college or national paper. The students will also serve as assistants to the editors in idea sessions, rewrites, and layout. This requires using the Adobe InDesign program. By the end of the year, each student will have successfully learned to write for each section of the newspaper and publish it online.

## 171 Journalism II: Editing of School News

1.00 Credit

Grade 11, 12

*PREREQUISITE: Journalism I and Desktop Publishing (847)*

Journalism II students assume the leadership role in newspaper production by generating ideas, editing articles, assisting in the training of Journalism I students, meeting deadlines, and producing innovative layouts. Journalism II students work in tandem in a single classroom with Journalism I students for the entire year and provide the leadership required for publishing the school newspaper once a month.

## 180 Yearbook

1.00 Credit

Grade 10, 11, 12

*PREREQUISITE: Recommendation of English teacher and completed yearbook application. (Desktop Publishing is recommended for 1<sup>st</sup> year students and required for 2<sup>nd</sup> or 3<sup>rd</sup> year students.)*

This course focuses on the instruction relating to and the actual production of the school yearbook. Emphasis is given to instruction in creative arts publications, which includes layout design and drawing, photography, business, word processing, and forms of creative writing. Students will be assessed on all work completed, effort exhibited, and ads acquired. The goal is successful participation in national competitions. Each student will be responsible for keeping a record of all tasks completed throughout each semester. There is a 15-student maximum in each course section. This course may be applied as a Fine Arts credit.



# SOCIAL STUDIES CURRICULUM

## 211 Honors World History

1.00 Credit Grade 9

*PREREQUISITES: Grade of an A in eighth grade Social Studies and score at 90% or better on placement test.*

This course provides students with the concepts, principles and factual information necessary to comprehend and understand the impact of the various ancient and medieval cultures and societies on the history of the world. Course begins with the development and contributions of the early European and Asian civilizations to include the ancient Middle East and the Greco-Roman civilizations. Course will continue through the rise and expansion of the medieval world and Europe. This will include special added emphasis on the emergence of the feudal period and the rise of the religious fervor that created the Romanesque and Gothic cathedrals. Course will examine in depth the rise of Islam and its impact on the world. Course will end with the advent of the Renaissance period. Students will focus on added attention directed to reading for comprehension from a variety of professional and historical sources. Additional emphasis will be placed on development of strong geography skills. Students explore the development of western society and its impact on the world as a whole. Honors World History provides background to be successful at the AP and Honors sophomore levels. This course requires additional research activities and assignments on a variety of ancient and medieval architectural structures. Students will learn effective presentation skills (PowerPoint) via a yearlong computer-generated project relating to the "Interdependence of the World Economy." Course differs from course 212 in that course 211 is a more comprehensive study of world history.

## 212 College Preparatory World History

1.00 Credit Grade 9

This course provides students with the concepts, principles, and factual information necessary to understand the impact of the various world cultures on the history of the world. Additional emphasis is given to geography. CP World History provides the background for sophomore level Modern European History which begins with the study of the Renaissance and Reformation in Europe.

*NB: The same textbook is used for Modern European History course, which begins at the Renaissance.*

## 120/ AP European History/Advanced

## 220 Sophomore English

2.00 Credits Grade 10

*PREREQUISITES:*

- *Grade of A in Honors World History and A in Honors Freshman English*
- *Recommendations from 9<sup>th</sup> grade teachers*
- *Writing Sample done in the spring*
- *Completed Summer Reading Journal*

This combined Social Studies and English course will prepare sophomore students for the AP European History exam and will also serve to prepare students for the AP English Literature course and exam in their senior year. The history portion of the course will cover the late Middle Ages to the present. The literature will support the historic chronology as well as enhance it with additional literary works from other eras and cultures. Emphasis will be placed on the analysis of political, intellectual, literary and cultural themes.

Particular concern will be placed on the students' abilities to incorporate their knowledge into well-written essays such as those given on the AP exam. Students will also work to improve their grammar and vocabulary skills through literature, historical documentation, and writing. In addition, students will work in the area of oral communication, including classroom discussion, oral interpretation, and student reading of their own writing.

A grade of B or better at the end of the first quarter will be required to continue, or the student will be dropped to the CP level courses.

*This course will be taught by two instructors: one Social Studies teacher and one English teacher. Course offering contingent upon staffing availability.*

## 221 Honors Modern European History

1.00 Credit Grade 10

*PREREQUISITE: A, B+, or B in Honors World History or A in College Preparatory World History.*

While the content of Honors Modern European History differs little from the CP level course students are asked to demonstrate higher level analytical ability. There is more emphasis placed on primary source analysis and on writing that demonstrates an ability to synthesize and evaluate historical data. While some of the projects are the same, honors students do projects that challenge them to do real historical work. Honors students also cover some of the more difficult philosophical and political theories in greater depth.

## 222 College Preparatory Modern European History

1.00 Credit Grade 10

*PREREQUISITE: A, B+, or B in Honors World History or A in College Preparatory World History.*

This course begins with the Renaissance and continues to the present. It examines various trends which have a lasting impact on the world: scientific and technological revolution; economic and social change; political revolution; nationalism and the interdependence of nations.

## 230 AP United States History

1.00 Credit Grade 11

*PREREQUISITES:*

- *Grades: History: A in CP Modern European History, B+ or better in Honors Modern European History or B in AP European History/Advanced Sophomore English: A or B in all English courses in 9th and 10th grade. No grades of D or F in 9th and 10th grade.*
- *Summer Work. If accepted, each student must complete the summer assignments prior to the start of the school year.*

AP United States History is an intensive study for the student who has a great love and interest in the history of the United States. The course will be presented in a chronological order to satisfy the "concrete sequential" student, with occasional activities that will appeal to the "abstract random" learner. The course will concentrate on the political, economic, religious, social, and cultural development of the United States with additional emphasis on geographical influences and intellectual history. The course content will cover the material presented in the College Board AP guidelines, and will help prepare the student for the required AP U.S. History exam.

# Bishop Ireton High School

## 231 Honors American History

1.00 Credit

Grade 11

*PREREQUISITE: A grade of B+ in CP Modern European History or a grade of B or better in Honors or AP European History/Advanced Sophomore English courses.*

This course is for the student who wishes to pursue the study of United States History at a higher level than the regular CP course. The course content will focus on the political, economic, religious, social and cultural development of the U.S. with emphasis also given to geography. Since “every person is his/her own historian and interprets history in light of his/her own experience,” this course will concentrate on making the study of history relevant to the present, and in making history “come alive.” Regular enrichment and alternative learning activities will be incorporated into this chronological study of U.S. history.

## 232 College Preparatory Survey of U.S. and Virginia History

1.00 Credit

Grade 11

CP Survey of U.S. & Virginia History is a comprehensive study of American History from the pre-Columbian period through the present time. Emphasis is on the historical events as well as on political, economic and social developments. Cause and effect relationships are explored and comparisons between the past and present are examined and discussed to demonstrate the relevance of history to students. Emphasis is placed on writing, culminating in a research-based, “persona” paper.

## 241 AP Government and Politics:United States

1.00 Credit

Grade 12

*PREREQUISITE: A, B+, or B in AP U.S. History, A or B+ in Honors American History, or A in College Preparatory U.S. and Virginia Government Survey.*

The AP Government and Politics: United States course will cover the following topics in compliance with the recommendations of the AP program for the preparation of students for the AP exam. These topics include the U.S. Constitution, Civil Liberties and Civil Rights, The Political Process, Political Institutions, and Comparative Government. Students are required to take the corresponding AP Government exam.

## 242 College Preparatory U.S. & Virginia Government Survey

1.00 Credit

Grade 12

*PREREQUISITE: World History & U.S. History*

This course examines the principles of government by exploring the Constitution, court cases and informal changes which have produced our political system. Political parties, the electoral process and civil rights will also be studied. A quarter will be devoted to developing an understanding of state and local government with particular emphasis on Virginia.

## 245 Honors American Government

1.00 Credit

Grade 12

*PREREQUISITE: A grade of B or better in Honors American History (231), a grade of C+ or better in AP U.S. History (230), or a grade of A in CP Survey of U.S. & Virginia History (232).*

The honors government course will examine the principles of government by exploring the Constitution, court cases, and informal changes which have produced our political system. Political parties, the electoral process, and civil rights will also be a part of the course content. State and local government will also be covered in the fourth quarter with particular emphasis on Virginia. Honors students will receive more thorough course content and will be assigned more supplemental reading than that required in the CP level 242 course.

## 270 Honors – World War I

.50 Credit

Grade 12

*PREREQUISITES: Participants should have completed a World History, European History and American History course. Students will be assumed to have a basic understanding of World War I. This course is limited to 26 students.*

The focal point of this elective will be on the significance of World War I as the opening salvo in what will become the most violent century in the history of mankind. This course begins with the closing decades of the 19th century and ends in the 1920's. The course will track the rise of the causative factors of the First World War and the start of the transition from a Euro-centric world to a bi-polar world focused on the America's and Russia and Asia. The course will study the participants, personalities, an in-depth analysis of campaigns and military operations, societal impacts, technological developments and the aftermath. A limited focus will be presented with regards to the American participation in the war. The course will rely on a college level textbook; make extensive use of primary source materials, periodicals, and documents; include analysis of historical artifacts and video documentation and readings related to the war. The course will involve preparation of a historical research paper based on World War I materials gathered from the National Archives. Students will visit the National Archives in the fall and learn how to conduct primary source research at this facility. Summer Reading Requirement: “Storm of Steel” by Ernst Junger. Depending on time availability course will involve a field trip(s) to Fort Meade, MD (Army Museum/NSA Cryptology Museum/October) and the Annual American Veterans Conference (November).

Because this course utilizes a college textbook, completion of a primary source research paper derived from primary source materials from the National Archives and Records Administration and includes the extensive utilization of primary source materials and document interpretation the grade point average for the course reflects “Honors” course standing. Students will visit the National Archives and Records Administration in College Park, MD for an overview/training visit (December). It is understood that students will have to go out to the National Archives on their own time (outside of class) and perform research in order to complete their research paper.



**271 Honors – World War II**

.50 Credit

Grade 12

*PREREQUISITE: Participants should have completed a World History, European History and American History course. This course is a continuation of the 270 - World War I course which is a prerequisite for enrolling in the World War II course. Students will be assumed to have a basic understanding of World War II. This course is limited to 26 students.*

The focal point of this elective will be on the rise of the various nationalistic, fascist, and communist governments in the post World War I era and the resultant events caused by these particular governments. This course begins with the final year of World War I, the intervening years of the 1920's and 1930's and continues through the start of World War II and ending with the allied occupation of Germany, Austria and Japan. The course will study the participants, their rise to power, personalities, an in-depth analysis of many military operations and campaigns, life on the various home fronts, political considerations and the post war occupation and development of the cold war. Although much focus will be given to the European theater of operations, analysis will also be directed to the North African, Southwest/east Asian, and Pacific operations. The course will rely on a college level textbook; will draw heavily on historical artifacts, archival documentation, video materials and primary source materials. This course will involve preparation of a historical research paper based on World War II materials gathered from the National Archives. Students will visit the National Archives in the spring to continue the development of their research skills. They will expand their understanding of conducting primary source research at this facility. Summer Reading Requirement: "The Forgotten Soldier". As time permits a field trip will be scheduled to the Washington Navy Yard for a visit (April) to their extensive World War II exhibit and the USS Barry.

Because this course utilizes a college textbook, requires a research paper derived from primary source materials from the National Archives and Records Administration and includes the extensive utilization of primary source materials and document interpretation the grade point average for the course reflects "Honors" course standing. It is understood that students will have to go out to the National Archives in College Park, MD on their own time (outside of class) and perform research in order to complete their research paper.

**272 AP Human Geography**

1.00 Credit

Grade 11, 12

*PREREQUISITES: A in last required CP history course; B+ or better in last honors history course; B or better in last AP history course. Student must have a strong background and interest in world history, US history, and current events.*

This course will introduce students to the systematic study of patterns and processes that have formed our understanding, use and alteration of the Earth's surface. Emphasis of the course will be on Geography: Its Nature and Perspectives, Population, Cultural Patterns and Processes, Political organization of Space, Agriculture and Rural Land Use, Industrialization and Development of Cities and Urban Use of Land. Students will be required to take the AP Human Geography examination.

**282 Introduction to Psychology**

.50 Credit

Grade 11, 12

The understanding of human behavior has become a dominant concern of twentieth century man. This introductory course seeks to help the student master basic methods and ideas of the study of psychology. The course will present such topics as learning, motivation, emotion, perception, altered states of consciousness, personality theory, stress and conflict, adjustment and maladjustment, mental disorders, developmental theory, and human relations.

**292 Honors Introduction to Sociology**

.50 Credit

Grade 11, 12

This course introduces students to the basic principles of sociology. It will examine four areas: first, the interplay of culture and personality including the concepts of role, status, social control and deviance; second, social organization as embodied in social institutions, the family, social class and social power; third, social interaction as evidenced by social mobility, ethnic and race relations, collective behavior, and social movements; and fourth, human ecology in the population and community.

**295 Honors Introduction to Law**

.50 Credit

Grade 11, 12

This course will introduce students to the function of law in our society. An overview of the legal process in America will be presented, which will include the sources of law and the organization of federal and state courts. The litigation process will be examined, comparing the differences between civil and criminal litigation which result from constitutional protections for the accused. The course will review tort law, property and contract law, consumer law, and constitutional law. The nature and impact of judicial policymaking will also be explored.

# Bishop Ireton High School

## MATHEMATICS CURRICULUM

### 311 Honors Algebra I

1.00 Credit

Grade 9

*PREREQUISITE: Grade of A in eighth grade mathematics course and math standardized test (HSPT for most) score at the 90<sup>th</sup> percentile or higher.*

An accelerated course in first year algebra which includes not only the CP Algebra I material (see *CP Algebra I course 312*) but also more advanced work in factoring, word problems, linear and quadratic equations, rational expression, and algebraic proofs. The Continental Mathematics League provides “enrichment” type problems five times a year.

### 312 College Preparatory Algebra I

1.00 Credit

Grade 9

A basic course in Algebra I that stresses both the structure of algebra and the development of problem solving skills. The structure and properties of real numbers are reviewed and extended. Multiplying and factoring polynomials, and solving and graphing linear equations and inequalities are treated. The course includes a simple introduction to rational expressions in open sentences, irrational numbers, radicals and quadratic equations. Competency in the following skills is needed by incoming freshmen prior to taking the CP Algebra I course: operations involving fractions; operations involving decimals and percents; the ability to work problems given in fractions and express answers in fractions without the use of a calculator; giving an answer as an improper fraction in lowest terms; addition, subtraction, multiplication, and division with signed numbers using the number line; facility for working with formulas; ratio and proportion problems; simple mental arithmetic; knowledge of the multiplication tables; elementary geometry properties; accuracy with number facts; squared and cubed numbers; rounding decimals, repeating and non-repeating decimals; and estimating.

### 321 Honors Geometry

1.00 Credit

Grade 10

*PREREQUISITE: Grade of A, B+, or B in Honors Algebra I or Honors Algebra II / Trig or grade of A in Algebra I*

This course introduces the basic concepts of Euclidean Geometry from the perspective of discovery, analysis, and problem solving. Honors Geometry is good for students who enjoy math, take honors-level math courses, or are considering undergraduate studies in the fields of math, science or engineering. The goals of this course are to teach students to think broadly and to solve complex problems by using the tools of geometry. Students will learn that when solving a problem if the initial course of action does not work then they must develop another strategy. Consequently, critical thinking and self-assessment skills are woven into the whole fabric of the course. Students will first study the building blocks of geometry: points, lines, planes and angles. They will then analyze congruent and similar polygons (with an emphasis on special polygons). During this portion of the course students will be introduced to various forms of proofs as tools to enhance their deductive analysis of geometric figures. Students will then study basic right triangle Trigonometry as a subset of the tools of geometry. In the final portion of the course students will develop skill needed to analyze 2-D and 3-D figures. Topics in this section include: areas, volumes, surface areas, coordinate geometry, and geometric probability.

### 322 College Preparatory Geometry

1.00 Credit

Grade 10

*PREREQUISITE: Grade of C or better Algebra I*

A basic course in plane geometry (and introducing some topics from solid geometry) which defines, develops and proves the various properties of geometric figures. Topics included are the study of parallel lines, triangles, congruent figures, similarity, inequalities in triangles, right triangles (including an introduction to right triangle Trigonometry), circles, and areas of plane figures. Most topics are explored utilizing algebraic problems as well as deductive thinking through geometric proofs. Emphasis is placed on logical thinking and the derivation of special relationships (such as the Pythagorean Theorem).

### 331 Honors Algebra II/Trigonometry

1.00 Credit

Grade 9, 11

*PREREQUISITE: Grade of A, B+, or B in Honors Algebra I or a grade of A in College Preparatory Algebra I. For freshmen: satisfactory score on Diocesan Placement Examination and a grade of B or better in Algebra I.*

This rigorous course reviews and extends the concepts of Honors Algebra I. The following topics are covered in the first three quarters: solving and graphing equations and word problems, solving and graphing inequalities, linear functions, products and factors of polynomials, rational expressions, irrational and complex numbers, quadratic equations and functions, variation and polynomial equations, analytic geometry, exponential and logarithmic functions. Furthermore, these topics are taught at a higher level of difficulty requiring more analysis than in CP Algebra II. Students are required to think and perform at a more technically correct level, using proper vocabulary, as well as interpreting mathematical concepts. There is an emphasis on problem solving and independent thinking. In addition, during the fourth quarter this course includes an introduction to trigonometry with applications such as navigation and land survey, including trigonometric functions, triangle trigonometry, circular functions and their graphs, trigonometric identities, vectors, polar coordinates, complex numbers, and inverse trigonometric functions. This course is not intended to replace a trigonometry course.

### 332 College Preparatory Algebra II

1.00 Credit

Grade 11

*PREREQUISITE: Grade of C or better in Algebra I.*

This course reviews and extends the concepts of Algebra I. New topics include solving and graphing linear inequalities, solving systems using determinants, negative and rational exponents, complex numbers, conic sections, and logarithms.

### 341 Honors Pre-Calculus

1.00 Credit

Grade 10, 11, 12

*PREREQUISITE: Grade of A, B+ or B in Honors Algebra II / Trigonometry.*

This course is a preparatory course for students considering taking AP Calculus or college-level calculus and/or who intend to major in math and/or science. The course content includes functions, analytical geometry, trigonometry, theory of equations, complex variables and a brief introduction to derivatives.



**343 Trigonometry**

1.00 Credit

Grade 11, 12

*PREREQUISITE: Grade of C or better in CP Geometry and CP Algebra II.*

This full year course covers basic trigonometric concepts. Topics include trigonometric functions, graphs of trigonometric functions, trigonometric identities, equations, circular functions and applications, and complex numbers. Algebra II will be reviewed and extended as necessary.

NB: Students should keep their book from their CP Algebra II course.

**344 Honors Introductory Trigonometry**

.50 Credit

Grade 11, 12

*PREREQUISITE: Grade of B or better in CP Algebra II.*

This is a one-semester honors level course that covers the definitions and properties of the trigonometric functions and inverse functions, with solutions of identities, trigonometric equations and triangles, with emphasis on trigonometric equations and problems involving the special angles. This course is offered in the fall semester only.

**345 Honors Introductory Calculus**

.50 Credit

Grade 11, 12

*PREREQUISITE: Trigonometry and/or Pre-Calculus and departmental approval.*

A one-semester course offered in the spring semester that covers the mechanical aspects of differentiation and integration with considerable emphasis placed on applications such as velocity/acceleration, maximum/minimum, related rates and area problems.

**348 AP Statistics**

1.00 Credit

Grade 11, 12

*PREREQUISITE: A or better in CP Algebra II or a grade of B or better in Honors Algebra II/Trig. or Honors Pre-Calculus. In addition, a grade of B or better is required in English*

This course offers the highly motivated student an introduction to the “major concepts and tools for collecting, analyzing, and drawing conclusions from data.” The course will closely follow the topics recommended in the AP Statistics course description and will emphasize statistical thinking rather the computation procedures. Throughout the year, students will use real data from such fields as medicine, education, economics, and psychology, as well as student-generated data, to illustrate statistical concepts. Students will be required to take the AP Statistics exam. The TI-84 graphing calculator is also required for this course.

**349 College Topics in Mathematics A/B**

.50 Credit

Grade 12

*PREREQUISITE: Satisfactory completion of CP Geometry and CP Algebra II.*

This course is designed to take concepts studied in Algebra, Geometry and Right Triangle Trigonometry and apply them to practical, real-world problems as well as introduce new topicsto students. Some of the new topics to be explored in the course include: Set Theory, Logic, Number Representation, Probability Theory, Consumer mathematics, Personal Finance, and Voting and Apportionment methods. This course is designed to help seniors who are preparing to graduate to improve their mathematical abilities, so that they are able to analyze problems and apply mathematical skills in science, economics, business, financial management, statistics, political polls and surveys.

**351 AP Calculus AB**

1.00 Credit

Grade 11, 12

*PREREQUISITE: Grade of A, B+ or B in Pre-Calculus.*

Calculus AB is primarily concerned with developing the students’ understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multirepresentational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Broad concepts and widely applicable methods are emphasized. The focus of the course is neither manipulation nor memorization of an extensive taxonomy of functions, curves, theorems, or problem types. Thus, although facility with manipulation and computational competence are important outcomes, they are not the core of this course.

# Bishop Ireton High School

## SCIENCE CURRICULUM

### 411 Honors Integrated Science

1.00 Credit

Grade 9

*PREREQUISITES: Successful completion of the freshman science placement exam, high standardized test scores, A in 8<sup>th</sup> grade physical science.*

This course presents an integrated approach to science, bringing together the major areas of chemistry and physics. The curriculum goes beyond the college preparatory course by covering additional topics and chapters while exposing the student to numerous lab activities and techniques. With the addition of supplementary materials, topics are explored in much greater detail, giving the student a broader base of scientific knowledge. Students experience the opportunity to use and apply basic and complex process skills, facilitating their advancement toward higher levels of cognitive learning. This integrated approach also provides students with an understanding of how science, technology, and society impact their lives. Topics in chemistry will cover the classification, structure and properties of matter, periodic law, and related families of elements, atomic bonding, chemical reactions and solution chemistry. Topics in physics will include force and motion, work and power, heat and energy, electricity and magnetism, waves, sound, and light. Lab activities are introduced at appropriate times to complement text information and to give students hands-on experience, which broadens and enhances concepts and topics under study. Chapter tests and exam questions relate directly to chapter and course objectives as do lab activities that are designed to encourage the student to use critical thinking skills to collect and interpret data.

Outside projects are assigned periodically to allow the students to investigate the application of their science to a 21<sup>st</sup> Century world. These often require data gathering, interpretation and scientific writing.

### 412 CP Integrated Science

1.00 Credit

Grade 9

*CO-PREREQUISITES: Algebra I*

This is a rigorous high school course that offers an integrated approach to science. The major areas of chemistry and physics are brought together, building upon and expanding the student's knowledge of basic concepts in these fields. This integrated approach also provides the student with an understanding of how science, technology and society impact their lives. This course enhances the student's competency in areas of science related vocabulary, mathematical calculations, laboratory skills and conceptual topics. Topics in chemistry will cover the classification, structure and properties of matter, periodic law and related families of elements, atomic bonding, chemical reactions and solution chemistry. Topics relating to physics will include force and motion, work and power, heat and energy, electricity and magnetism, waves, sound and light. Lab activities are introduced at appropriate times to complement text information and to give students hands-on experience, which broadens and enhances concepts and topics under study. Chapter tests and exam questions relate directly to chapter and course objectives as do lab activities which are used to illustrate topics currently under study. Outside projects are assigned periodically to allow the students to investigate the application of their science to a 21<sup>st</sup> Century world.

### 421 Honors Biology

1.00 Credit

Grade 9, 10

*PREREQUISITE: A in Integrated Science or A, B+ or B in Honors Integrated Science.*

*CO-REQUISITE FOR FRESHMEN ONLY: Honors Algebra II/Trig, A in 8<sup>th</sup> grade science, high-standardized test scores and high score on science placement exam.*

A fast paced, comprehensive course that covers a multitude of areas in the biological sciences. Students are continually challenged to learn a vast scientific vocabulary and a myriad of complex biological processes. The first semester concentrates primarily on molecular cell biology and on an expansive coverage of genetics. A required outside classroom assignment involves critiquing recent genetic research. The second semester is a comprehensive study of human organ systems and their associated chemical processes. Lab activities are introduced at appropriate times to complement text information and to give students hands-on experience which broadens and enhances concepts and topics under study. Successful completion of this course is based on a high level of critical thinking and application of knowledge learned rather than rote memory. It requires dedicated reading on a nightly basis in addition to any assigned written homework.

### 422 College Preparatory Biology

1.00 Credit

Grade 10

*PREREQUISITE: Integrated Science*

This is a solid, comprehensive biology course. Students are exposed to the main aspects of biology in order to enable them to understand and evaluate what is of biological importance today. Cell structure and function, energy transformation, DNA and heredity, evolution and Population biology, plant structure and function, and Human life systems, are the focus of the areas studied. While designed as a terminal course (i.e. further Biology course work not required), those students who do well may take advanced courses such as Advanced Placement Biology. Lab activities are introduced at appropriate times to complement the syllabus and to give students hands-on experience, which broadens and enhances concepts and topics under study. A 3-D cell model is the summative assessment of the cell unit. In addition to comprehensive tests and quizzes, student comprehension will be evaluated through individual research assignments such as a genetics disease pamphlet and an invertebrate project.

### 431 Honors Chemistry

1.00 Credit

Grade 10, 11

*PREREQUISITE: A in Biology or A, B+, or B in Honors Biology, strong math skills.*

*CO-REQUISITE: Algebra II.*

This course is designed for the student with strong mathematical skills and provides an in depth and rigorous approach to the topics covered in the general course. Topics are explored in greater detail giving the student a broader base of scientific knowledge. Students experience the opportunity to use and apply basic and complex process skills, facilitating their advancement toward higher levels of cognitive learning and an ability to apply chemical knowledge and critical thinking to economic, environmental and social issues. Content includes: atomic theory and structure, kinetic theory of gases, bonding concepts, periodicity, stoichiometry, solution chemistry and equilibrium. Projects and lab activities are



introduced at appropriate times to complement text information and give students hands on experience which broadens and enhances concepts and topics under study. A summer assignment and a major science project are required. Student understanding and progress is assessed during the year through homework, quizzes, tests, project reports and laboratory reports. The final examination in this course is a comprehensive examination (the American Chemical Society High School Chemistry examination).

### 432 College Preparatory Chemistry

1.00 Credit

Grade 10, 11

*PREREQUISITE: Algebra I and Biology*

*CO-REQUISITE: Algebra II*

A standard high school chemistry course using algebra to develop concepts and to solve problems.

Content includes: atomic theory and structure, kinetic theory of gases, bonding concepts, periodicity, stoichiometry, solution chemistry and equilibrium studies. The final examination in this course is a comprehensive examination.

A wide range of skills and knowledge bases are assessed. Assessment is done using a variety of assessment tools. Assessments include, but are not limited to, knowledge based testing, lab procedure and results, data collection and analysis, investigation design and development. Students are encouraged to recognize and use critical thinking skills as applied to chemistry.

### 441 Honors Physics

1.00 Credit

Grade 10,11

*PREREQUISITE: Grade of B or higher in Honors Algebra II/ Trigonometry and either concurrent enrollment in Honors Pre-Calculus or a grade of B or higher in Honors Pre-Calculus.*

Note: *Rising juniors who have had chemistry should consider taking AP Chemistry or AP Biology junior year and postponing Honors Physics to senior year, when they will have had an additional year of math.*

This is a mathematically challenging course for students with strong algebra and trigonometry skills. Much of the work will involve using math skills to solve difficult physics problems. Students will also do physics labs and a project. Course content will include the study of motion, force, energy, momentum, circular motion, gravity, electricity, magnetism, and waves. This is a good course for students who enjoy math, take honors level math courses, and are considering careers in science or engineering.

### 442 College Preparatory Technical Physics

1.00 Credit

Grade 11, 12

*PREREQUISITE: Grade of at least B in Algebra II and concurrent enrollment in a senior level math course.*

This is a standard algebra-based high school physics class. Course content will include the study of motion, force, energy, electricity, magnetism, waves, optics and sound. Much of the work will involve using algebra to solve physics problems. There will also be physics labs and lab reports in addition to periodic quizzes and tests. This is a good course for students who like math and might consider a career in science or engineering but whose math skills are not as yet strong enough for Honors Physics.

### 444 College Preparatory Conceptual Physics

1.00 Credit

Grade 11, 12

This course will look at physics from a conceptual perspective and will involve less mathematical problem solving than the other physics courses. Students will use words instead of math to explain

physics concepts and to relate those concepts to the physical world around them. They will also engage in labs, activities, and projects that reinforce the topics being covered. Course content will include the study of motion, force, energy, momentum, circular motion, gravity, electricity, and magnetism. This is a good course for students who prefer writing to doing math problems.

### 484 AP Biology

1.00 Credit

Grade 11, 12

*PREREQUISITES: A in Biology, A, B+, or B in Honors Biology, A in Chemistry, A or B+ in Honors Chemistry. All others not meeting prerequisites require teacher approval. Preference given to seniors.*

Advanced Placement Biology is designed to be equivalent to a two semester college introductory biology course. The class is conducted at the college level and students are expected to work accordingly. The course is divided into three broad areas: (1) molecular and cellular biology, (2) Hereditary and Evolution (3) Organisms and Populations. The course will emphasize the following major themes: Science as a process, Evolution, Energy Transfer, Continuity and Change, Relationships of Structure to Function, Regulation, Interdependence on Nature, Science, Technology, and Society. The class is designed to incorporate all of the areas required by the AP College Board. In addition to lectures and class assignments there are 12 labs required by the board. Dates and times of the required labs will be announced. Assessment of student understanding will be in the form of multiple choice questions and critical thinking essays similar to actual AP Exam questions. In order to cover the wide range of information, students will be required to complete a summer reading assignment. All students are required to take the AP Biology exam.

### 490 AP Chemistry

1.00 Credit

Grade 11, 12

*PREREQUISITES: A in Chemistry or A or B+ in Honors Chemistry and Honors Algebra II/Trig.*

The AP Chemistry course is a college level course for the committed student. This second year chemistry course involves an in-depth study of topics similar to Chemistry 431 with additional emphasis on equilibrium reactions, electrochemistry, solubility products, pH, buffer solutions, kinetics, and thermodynamics. The curriculum is based on guidance from The College Board concerning AP Chemistry courses. The student will attain an in-depth understanding of the fundamentals and a reasonable competence in dealing with chemical problems. The course contributes to the development of the student's abilities to think clearly, to express his/her ideas, orally and in writing, with clarity and logic and to apply chemical knowledge and critical thinking to economic, environmental and social issues. The course differs qualitatively from first year high school chemistry with respect to topics covered, emphasis on chemical calculations, mathematical formulation of principles, and the kind of lab work done. Quantitative differences appear in the number of topics treated, time spent on course work by the students and the nature and variety of laboratory work. Student understanding and progress is accessed during the year through: homework, quizzes, tests, project reports and laboratory reports. Students must take the AP Chemistry exam. The American Chemical Society Advanced High School Chemistry exam is the final exam for the course.

NB: Students will be required to have their unscheduled period placed after this class period in order to meet the AP Lab requirement, which will reduce the number of unscheduled periods from 6 to 4 per class cycle.

# Bishop Ireton High School

## PHYSICAL EDUCATION AND HEALTH CURRICULUM

### 514 Freshman Physical Education/Health

.50 Credit

Grade 9

The main objective of the Freshman Physical Education course is to promote fitness by introducing students to a variety of team and individual sports and recreational activities, to include skill introduction, rule interpretation, concluding with team competition. Emphasis is placed on cooperation, sportsmanship, and skill development.

In Freshman Health students will participate in the American Red Cross Adult CPR course. Students will participate in an overview of health problems that are pertinent to their daily lives. To include but are not limited to drugs, smoking, alcohol and nutrition. Through the use of self-assessments, students will learn their strengths and weaknesses in terms of their learning style, personality and its impact on their social and physical development. Students will also begin to research careers and college search.

### 524 Physical Education II/Driver Education

1.00 Credit

Grade 10

This course includes three quarter credit for P.E., one quarter credit for drivers education. Sophomore physical education takes skills learned as freshman and applies them to team sports as well as activities designed to develop communication and cooperation. Lifetime activities will also be introduced at this time, i.e. badminton, pickle ball. *The Presidential Physical Fitness Test will be given at the end of the course.*

The driver education portion of the course gives students an understanding of our nation's highway systems as well as the various vehicle systems. It also helps the student to master skills needed to move, position and control the car. Legal responsibilities a driver

must accept are also discussed in great detail. A portion of the 36 classroom hours includes drug and alcohol education. Also discussed are physical and emotional factors that can affect driving ability. Upon successfully completing this class, students may take the additional 14 hours of behind-the-wheel training.

### 530 Weight Training

.50 Credit

Grade 10, 11, 12

*PREREQUISITE: Completion of PE/Health 1 (514)*

This course is designed to provide fundamentals necessary to build a comprehensive weight lifting program. Basic anatomy and fundamentals of movement will be stressed. This course is designed not only for the athlete but also for those students wishing to improve their physical appearance and muscle tone. *This course is offered first semester only.*

### 532 Weight Lifting Skills

.50 Credit

Grade 10, 11, 12

This course is designed to develop strength through a variety of training techniques. Basic fundamentals of lifting and general training principles will be stressed. *This course is offered second semester only.*

### 540 Exploration of Human Movement

1.00 Credit

Grade 11, 12

This course educates students in different forms of human movement. Some types of movement will include dance, aerobics, stretching, and relaxation. Dance will be used to develop and enhance coordination, balance, grace, and dexterity. Yoga will be utilized to strengthen self-discipline and self-confidence. *This course will fulfill the Fine Arts requirement.*

## FOREIGN LANGUAGE CURRICULUM

### 612 French I

1.00 Credit

Grade All

French I is designed to incorporate basic grammatical concepts, patterns, and vocabulary to prepare students for more accurate self-expression in real-life situations. Listening, speaking, reading, and writing skills will be developed through conversations, oral drills, tapes, video exercises, songs, written projects and frequent assessments. Students will gain a greater cultural awareness of the French-speaking world through a variety of research projects. Critical thinking also will be encouraged through exposure to the culture and geography of the French-speaking world.

### 614 French II

1.00 Credit

Grade All

*PREREQUISITE: Grade of C or better in French I.*

French II is designed to continue and intensify the development of listening, speaking, reading, and writing skills. This course will review basic concepts from Level I and continue to emphasize vocabulary building and more difficult grammatical concepts and patterns. Using conversations, drills, tapes, video exercises, and songs, students will continue to improve their self-expression in real-life situations.

### 616 French III

1.00 Credit

Grade All

*PREREQUISITE: Grade of C or better in French II.*

French III is designed to continue the incorporation of more advanced grammatical structures and new vocabulary. The culture and civilization of the French-speaking world will be introduced in more detail through selected readings from French literature and periodicals. A strong emphasis will be placed on oral and written proficiency. Classes are conducted primarily in French.

### 618 Honors French IV

1.00 Credit

Grade All

*PREREQUISITE: Grade of B+ or better in French III.*

This course provides a complete review of grammar with emphasis on expanding the student's knowledge of structure, vocabulary and idiomatic usage. The student reads prose, poetry and periodicals. Compositional skills are developed through frequent written assignments. Listening and conversational skills are developed through the use of tapes (both audio/video) and through group discussions.



**620 AP French Language**

1.00 Credit Grade All

*PREREQUISITE: Grade of B+ or better in French IV.*

This course develops the student's ability to understand and use spoken French in various conversational situations. Students develop critical reading skills through extensive exposure to literature, periodicals and other non-technical writings. By frequent practice and composition, they will learn to express themselves clearly and with reasonable fluency.

**622 Honors German I**

1.00 Credit Grade All

German I is designed to incorporate basic grammatical concepts, patterns, and vocabulary to prepare students for more accurate self-expression in real-life situations. Listening, speaking, reading, and writing skills will be developed through conversations, oral drills, tapes, video exercises, songs, written projects and frequent assessments. Students will gain a greater cultural awareness of the German-speaking world through a variety of research projects. Critical thinking also will be encouraged through exposure to the culture and geography of the German-speaking world.

**624 Honors German II**

1.00 Credit Grade All

*PREREQUISITE: Grade of B or better in German I.*

German II is designed to continue and intensify the development of listening, speaking, reading, and writing skills. This course will review basic concepts from Level I and continue to emphasize vocabulary building and more difficult grammatical concepts and patterns. Using conversations, drills, tapes, video exercises, and songs, students will continue to improve their self-expression in real-life situations.

**626 Honors German III**

1.00 Credit Grade All

*PREREQUISITE: Grade of B or better in German II.*

German III is designed to continue the incorporation of more advanced grammatical structures and new vocabulary. The culture and civilization of the German-speaking world will be introduced in more detail through selected readings from German literature and periodicals. A strong emphasis will be placed on oral and written proficiency. Classes are conducted primarily in German.

**628 Honors German IV**

1.00 Credit Grade All

*PREREQUISITE: Grade of B or better in German III.*

This course provides a complete review of grammar with emphasis on expanding the student's knowledge of structure, vocabulary and idiomatic usage. The student reads prose, poetry and periodicals. Compositional skills are developed through frequent written assignments. Listening and conversational skills are developed through the use of tapes (both audio/video) and through group discussions. Classes are conducted primarily in German.

**631 Honors Latin I**

1.00 Credit Grade All

This course is a presentation of all Latin declensions and conjugations, active and passive voice, including subjunctive mood. It includes comparison of adjectives and adverbs, pronouns, indirect statement and participles. Emphasis is on vocabulary building and English derivatives. This class is preparation for the National Latin Examination.

**633 Honors Latin II**

1.00 Credit Grade All

*PREREQUISITE: Grade of C or better in Honors Latin I.*

This course consists of a review of Latin I, various uses of the subjunctive, deponent verbs, locative case, irregular verbs, and passive periphrastic. There are supplementary readings. This class is preparation for the National Latin Examination.

**635 Honors Latin III**

1.00 Credit Grade All

*PREREQUISITE: Grade of B or better in Honors Latin II.*

Emphasis is on reading selections from Cicero, also with readings from Sallust, Pliny and Ovid.

**636 Honors Latin IV**

1.00 Credit Grade All

*PREREQUISITE: Grade of B or better in Honors Latin III.*

Emphasis on reading selections from Virgil's *Aeneid*, Ovid and Catullus. Preparation is also included for achievement and AP tests.

**652 Spanish I**

1.00 Credit Grade All

Spanish I is designed to incorporate basic grammatical concepts, patterns, and vocabulary to prepare students for more accurate self-expression in real-life situations. Listening, speaking, reading, and writing skills will be developed through conversations, oral drills, tapes, video exercises, and songs written projects and frequent assessments. Students will gain a greater cultural awareness of the Spanish-speaking world through a variety of research projects. Critical thinking also will be encouraged through exposure to the culture and geography of the Spanish-speaking world.

**654 Spanish II**

1.00 Credit Grade All

*PREREQUISITE: Grade of C or better in Spanish I.*

Spanish II is designed to continue and intensify the development of listening, speaking, reading, and writing skills. This course will review basic concepts from Level I and continue to emphasize vocabulary building and more difficult grammatical concepts and patterns. Using conversations, drills, tapes, video exercises, and songs, students will continue to improve their self-expression in real-life situations.

**656 Spanish III**

1.00 Credit Grade All

*PREREQUISITE: Grade of C or better in Spanish II.*

Spanish III is designed to continue the incorporation of more advanced grammatical structures and new vocabulary. The culture and civilization of the Spanish-speaking world will be introduced in more detail through more in-depth textbook readings. A strong emphasis will be placed on oral and written proficiency. Classes are conducted primarily in Spanish.

# Bishop Ireton High School

## 658 Honors Spanish IV

1.00 Credit

Grade All

*PREREQUISITE: Grade of B+ or better in Spanish III*

Spanish IV is designed to include an intense review of the grammatical and idiomatic structures of the language with emphasis on expanding the student's knowledge of structure and vocabulary. Emphasis will be placed on the literature, fine arts, history, and civilization of the Spanish-speaking world through selected literature, filmography, and music. Classes are conducted in Spanish.

## 660 AP Spanish Literature

1.00 Credit

Grade All

*PREREQUISITE: Grade of A or better in Honors Spanish IV.*

AP Spanish Literature is designed to prepare the student for the AP Spanish Literature exams. Students will apply acquired skills of reading, writing, and speaking through conversations, compositions, and oral activities. Classes are conducted in Spanish.

## FINE ARTS CURRICULUM

### 700 Principles of Art

1.00 Credit

Grade 10, 11, 12

This course provides students with an introduction to art by exploring the visual elements of line, color, shape, texture, space and time, and the design principles of balance, contrast, proportion, repetition, motion, unity and variety through studio projects. Slides, prints, and examples will be shown to provide the students with an historical perspective to assist them in the completion of assigned projects. *A limited amount of materials is to be purchased by the student.*

### 701 Advanced Painting and Drawing

1.00 Credit

Grade 10, 11, 12

*PREREQUISITE: Course 700 or departmental approval*

Through a variety of approaches, drawing and painting will be explored as vital means of personal expression. Students will study composition, chiaroscuro, and color organization, and develop skills of observation, rendering and paint handling. Media will include pencil, ink, charcoal, pastel, watercolor, and acrylic and oil on canvas and paper. Assignments are designed to promote divergent thinking and original vision.

### 706 AP Studio Art: Drawing

1.00 Credit

Grade 11, 12

*PREREQUISITE: Course 700 or 701 or departmental approval per portfolio submitted by deadline*

A college level course that is not meant for the casual art student, but for the serious minded student who wishes to advance in the study of drawing, and possibly earn credit on the college level. This course is an in depth study of drawing, using the systematic theories of drawing: line, form, texture, and expression. The student learns that drawing is a process, both in the perceptual stage and conceptual stage of the development of an artist.

### 708 Honors Portfolio Preparation/Senior Studio

1.00 Credit

Grade 12

*PREREQUISITES: Course 700 or 701 or 706 AND departmental approval per portfolio submitted by deadline*

This advanced studio course stresses the development of fine technical skills, compositional organization and original personal vision. Regular homework is required. Both classical and contemporary approaches to drawing will receive thorough attention with particular emphasis on structural observation, perspective, and the figure. Other major concerns will include color, design and painting. In most cases students will work alongside the AP students completing the same assignments. In special circumstances a student may devise an

independent project organized around a theme or interest of his or her own choice. Assistance will be given in portfolio preparation for college admission. Additional materials may be required during the course of the year.

### 751 Concert Band

1.00 Credit

Grade All

*PREREQUISITE: Intermediate instrumental proficiency determined by audition and departmental approval*

The purpose of the course is to prepare the intermediate musician for performance of technically demanding, quality repertoire. Although private lessons are not required, students are strongly encouraged to take lessons with one of the schools applied music faculty. The Concert Band, an intermediate level course, performs three concerts per year.

### 752 Honors Symphonic Wind Ensemble

1.00 Credit

Grade All

*PREREQUISITE: Advanced instrumental proficiency determined by audition and departmental approval*

The Symphonic Wind Ensemble, an advanced level honors course, focuses on the study and performance of quality repertoire from all historical style periods. The ensemble performs five local concerts per year plus performances for special occasions. Each year the ensemble performs a world premier of a work that has been commissioned for them. A chamber music program of brass, woodwind and percussion ensembles provides an additional vehicle for developing creativity and musical expression. All Symphonic Wind Ensemble members contribute to the total organization by increasing their technical ability through private lessons. A scholarship program is available to assist students who might have difficulty paying for lessons.

### 755 Private Applied Music Lessons

.25 Credit

Grade All

Private lessons are provided at Bishop Ireton by our staff of applied music faculty or outside the school by approved musical instructors. Lessons are paid for by the student.

### 756 Music Appreciation

1.00 Credit

Grade All

This course is open to all students with an interest in music. Students with no prior music training, students with limited music experience, and students with extensive music training are all welcome to enroll. Although there is no musical performance requirement for this course, students will develop listening skills, understanding, and appreciation of Western music and world music.



**757 AP Music Theory**

1.00 Credit

Grade All

AP Music Theory is designed to prepare the student for the AP Music Theory exam. Prior experience in music is helpful but not required. Students will study the way music and musical works are written and heard. The course encompasses several areas: visual and aural analysis, sight-singing, melodic and harmonic dictation, and composition. Students discover the grammar and syntax of musical composition through analysis. Students translate sound into notation and notation into sound through sight-singing and dictation. Students create music through composition.

**758 Men's Choir**

1.00 Credit

Grade All

*PREREQUISITE: Vocal proficiency and departmental approval.*

This course focuses on the study and performance of a large and varied repertoire of classic and contemporary vocal literature for male voice. Men's Choir will perform music alone and with the Women's Choir for a mixed choir experience. This group will perform 3-4 concerts per year with the possibility for special occasions as well.

**759 Women's Choir**

1.00 Credit

Grade All

*PREREQUISITE: Vocal proficiency and departmental approval.*

This course focuses on the study and performance of a large and varied repertoire of classic and contemporary vocal literature for treble voices. Singing music in multiple parts with musical expression and technical accuracy will be stressed. Women's Choir will perform music alone and with the Men's Choir for a mixed choir experience. This group will perform 3-4 concerts per year and for special occasions such as school masses.

**761 Introduction to Theater (First semester only)**

.50 Credit

Grades All

Introduction to Theater involves the study of theater history. Students will receive a general overview of all facets of a theatrical production. Review of narrative essentials in the dramatic tradition is stressed. Students study the varieties of drama (tragedies and comedies) and discover origins of Western drama and the Renaissance, as well as European and Asian drama. An array of dramatic forms are presented and practiced, including fairy tales, masks, and puppetry.

**762 Acting I (Second semester only)**

.50 Credit

Grades All

Acting I focuses on basic acting techniques such as improvisations, pantomime, mime, voice, diction, and beginning characterization and scene study. Exercises include monologues and two-person scene work. Students also become acquainted with the responsibilities of a producer and director, as well as set, lighting, costume, and makeup designers.

**763 Acting II**

1.00 Credit

Grades 10, 11, 12

*PREREQUISITE: Acting I or teacher recommendation/audition*

A continuation of Acting I, Acting II involves students learning to develop, communicate, and sustain characters in formal and improvisational activities through learning about themselves. From readiness warm-ups to Stanislavski's System to scene study and performance, Acting II students discover various approaches to acting and communicating on stage. Students develop creative ideas and artistic expression through researching and evaluating scripts for comparison of stage directions and character outcome. Class activities include in-depth study and analysis of characters and scenes through assignments.

**764 Honors Advanced Theater Production**

1.00 Credit

Grades 11, 12

*PREREQUISITE: Acting II or teacher recommendation/audition*

This course is an advanced theater course for the serious drama student. It is an intensive instruction on learning and applying advanced acting techniques. Developing, communicating, and sustaining characterizations learned in Acting II classes are stressed in class activities and performance. Writing, designing, directing, and producing plays for artistic expression and practical applications are emphasized. Students receive hands-on training in producing, directing, technical directing, designing (lights, set, props, costume, and make-up), stage managing, house managing, and marketing a production. This is done through classroom instruction (performance and technical), workshops with visiting artists from local theaters, attendance at area productions, and practical application at Bishop Ireton High School productions. Class includes in-depth study and analysis of all facets of stage production.

**772 Costume Design and Construction**

.50 Credit

Grade All

Students will learn the basic techniques of costume design and costume building while working on Bishop Ireton's two Main Stage productions. Students required to construct a small costume piece. *This course may also be taken as a pass/fail course. This class will take place after school and on Saturdays.*

**781 CP Stage Crafts I A/B**

.50 Credit

Grade All

*PREREQUISITE: Approval of instructor.*

CP Stage Crafts 1A is only offered in the 1<sup>st</sup> semester. The students will learn and demonstrate the skills involved in the functions of theatrical stage craft. Particular emphasis will be placed on learning the basics of Shop Safety – use of proper eye and ear protection, wearing of proper clothing when working on and around shop equipment; Tools – learning how to use and handle power saws and drills, hand tools such as screw drivers, hammers, wrenches and measuring devices; Stage Terms - identify all of the basic areas of the shop and theater by their proper theatrical names; Scenery Construction - identify the different parts of a set and will learn how to construct and assemble the basic set; Show Participation - help to build a full size production for the school play. In addition to practical experience, written tests and papers will be required. This course may also be taken as a pass/fail course. *Course Time: 65 Hours. Classes will be 2 (two) days a week. Thursday 7:00 - 10:00 pm and Saturday for 10:00 am - 4:00 pm, excluding lunch break. Plus 25 hours for a show production.*

# Bishop Ireton High School

## 782 CP Stage Crafts II A/B

.50 Credit

Grade All

*PREREQUISITE: Successful completion of Stage Crafts I. Placement in the course is based on the approval of the instructor.*

This is a continuation of Stage Crafts I. Students will learn and demonstrate beginning to intermediate-level skills in set construction and related aspects of technical theater.

*Course Time: 65 Hours. Classes will be 2 (two) days a week. Thursday 7:00 - 10:00 pm and Saturday 10:00 am - 4:00 pm, excluding lunch break. Plus 25 hours for a show production.*

## 783 CP Stage Crafts III A/B

.50 Credit

Grade All

*PREREQUISITE: Successful completion of Stage Crafts I and II. Placement in the course is based on the approval of the instructor.*

This is a continuation of Stage Crafts II. Students will learn and demonstrate beginning to intermediate-level skills in set construction and related aspects of technical theater.

*Course Time: 65 Hours. Classes will be 2 (two) days a week. Thursday 7:00 - 10:00 pm and Saturday 10:00 am - 4:00 pm, excluding lunch break. Plus 25 hours for a show production.*

## 784 CP Stage Crafts IV A/B

.50 Credit

Grade All

*PREREQUISITE: Successful completion of Stage Crafts I, II and III. Placement in the course is based on the approval of the instructor.*

This is a continuation of Stage Crafts III. Students will learn and demonstrate beginning to intermediate-level skills in set construction and related aspects of technical theater.

*Course Time: 65 Hours. Classes will be 2 (two) days a week. Thursday 7:00 - 10:00 pm and Saturday 10:00 am - 4:00 pm, excluding lunch break. Plus 25 hours for a show production.*

## 785 Honors Stage Crafts I A/B

.50 Credit

Grade 11, 12

*PREREQUISITE: Must have completed both CP Stage Crafts I A/B. Placement in the course is based on the approval of the instructor.*

Students selected by the Technical Director for positions of responsibility. Student Technical Directors – These students are the most experienced and have demonstrated their ability to lead others. They will lead all of the other students in the overall construction, and running of the semester production. Designers; Sets, Lights, Sound – The students will design all aspects of the semester theater production. The students will help to build a full size production for the school play. In addition to practical experience, written tests and papers will be required. This course may also be taken as a pass/fail course.

*Course Time: 65 Hours. Classes will be 2 (two) days a week. Thursday 7:00 - 10:00 pm and Saturday 10:00 am - 4:00 pm, excluding lunch break. Plus 25 hours for a show production.*

## 786 Honors Stage Crafts II A/B

.50 Credit

Grade 11, 12

*PREREQUISITE: Must have completed Honors Stage Crafts I A/B. Placement in the course is based on the approval of the instructor.*

Students selected by the Technical Director for positions of responsibility. These positions are: Student Technical Directors – These students are the most experienced and have demonstrated their ability to lead others. They will lead all of the other students in the overall construction, and running of the semester production. Designers; Sets, Lights, Sound – The students will design all aspects of the semester theater production. The students will help to build a full size production for the school play. In addition to practical experience, written tests and papers will be required. This course may also be taken as a pass/fail course.

*Course Time: 65 Hours. Classes will be 2 (two) days a week. Thursday 7:00 - 10:00 pm and Saturday 10:00 am - 4:00 pm, excluding lunch break. Plus 25 hours for a show production.*

## 787 CP Basic Lighting

.25 Credit

Grade 10, 11, 12

*PREREQUISITE: Must have completed CP Stage Crafts I A/B.*

*Placement in the course is based on the approval of the instructor.*

Students will study basic electricity as it pertains to stage lighting. They will be able to identify, and calculate electrical loads. Student will study all aspects of stage lighting including plugs, lighting instruments, lighting boards, dimmers, lighting positions, etc. Basic lighting design will be discussed. Final grade will be based on class participation, quizzes, and final test. Class is only 6 weeks long, and taught at night, during the second semester only.

*Course Time: 65 Hours. Classes will be 2 (two) days a week. Monday 7:00 - 10:00 pm, plus show dates as assigned.*



# COMPUTER SCIENCE CURRICULUM

The Computer Science Department offers several opportunities for students who have a strong interest in computer science or wish to develop their skills in the use of various computer applications. All students must complete a minimum of 1 credit in computer science as a graduation requirement. All computer courses are available to all students who meet the stated prerequisites.

Freshmen are required to complete a one-semester course: Introduction to Computer Applications (812) or Introduction to Programming (821).

Students who wish to take the advanced placement computer science courses are required to complete the Introduction to Programming (821) before proceeding to the advanced placement courses.

Beginning with the class of 2011, Bishop Ireton High School no longer will offer a Computer Science Diploma program. However, students in the class 2010 who are already pursuing the Computer Science Diploma program may complete their requirements by taking AP Computer Science A (831) and one of the following courses: AP Computer Science AB (841), Honors Computer Science AB (842), AP Statistics (348) or AP Calculus AB (351).

*NOTE: Minimum enrollment requirements must be met for all computer science and computer technology courses.*

## COMPUTER TECHNOLOGY COURSES

**800 Topics in Computer Science**  
 .50 Credit Grade 10, 11, 12  
 This course reviews the basic elements of word processing, spreadsheet, database, and presentation software and develops the student's skill in working with the most generally used features of these computer software applications to produce effective documents, spreadsheets, reports and presentations. All assignments involve hands-on computer use and development of problem-solving skills. Basic computer technology concepts will be studied as well.

**808/ Introduction to Multimedia/**  
**809 Advanced Multimedia**  
 .50 Credit Grade 12\*\*  
*PREREQUISITE: Minimum grade of B in Course 843 or permission of Department Chair.*  
 This course will focus on multimedia design using state-of-the-art software/hardware and current concepts emphasizing storyboarding/scripting techniques for video file creation. Students will design, develop, implement, and evaluate multimedia projects, including creating CD presentations that integrate multiple forms of media. This course may be applied as a Fine Art credit.  
*\*\*11th grade students will be permitted to take this course if space permits.*

**812 Introduction to Computer Applications**  
 .50 Credit Grade 9  
*PREREQUISITE: Strong familiarity with the keyboard.*  
 Required for 9<sup>th</sup> grade students unless enrolled in 821 Honors Introduction to Programming Using Visual Basic. This course introduces students to the "hands-on" production of documents, spreadsheets, and presentations, using an integrated software productivity package (Microsoft Office 2007). The study of basic computer technology concepts is also included in this course. This course provides the necessary preparation for production of various software products in other course work at Bishop Ireton, in college, and in the workplace. Strong familiarity with the keyboard is required.

**843 Web Page Development**  
 .50 Credit Grade 11, 12 \*\*  
*PREREQUISITE: Course 812.*

This course presents an overview of the Internet, World Wide Web, and hypertext documents and introduces the student to Web page design and development using Web page design software (Dreamweaver 8) as well as limited Hypertext Markup Language (HTML). The student will learn how to use correct file and folder structure, text formatting and alignment, heading tags, anchors, links to and from additional pages and sites, backgrounds, graphics and image maps, tables, forms, layers, frames, styles and style sheets in creating both assigned practice and independently designed web sites.  
*\*\*10th grade students will be permitted to take this course if space permits.*

**845 Financial Decision Making**  
 .50 Credit Grade 11, 12  
*PREREQUISITE: Course 800 or 812.*

This course will study many of the areas in which individuals must make financial decisions: Education, career choices, employment, banking, budgeting, spending, record keeping, taxes, credit, loans, mortgages, investments, housing choices, insurance, retirement planning and other consumer choices. Students will gather data and design basic computer evaluation tools using Microsoft Office software. Internet research will be used as a major source of information, and students will develop techniques to properly evaluate the validity of data found on the Internet. Students will also access various financial tools available on the Internet. Government and industry publications will serve as text materials. Activities will include individual and group projects, classroom discussions and presentations.

# Bishop Ireton High School

## 847 Desktop Publishing

.50 Credit

Grade 10, 11, 12

*PREREQUISITES: Course 800 or 812.*

Utilizing Microsoft Publisher and Adobe InDesign, this semester course covers fundamental desktop publishing concepts, features and design techniques, integrating text and graphics from many sources to produce with precision professional-quality publications including letterheads, ads, newsletters, brochures, color catalogs, magazines, and Web pages. Lessons are project-based and permit a high degree of self-paced learning within the structure of course requirements. Successful students will be especially well prepared to produce student publications such as the newspaper and yearbook.

## COMPUTER SCIENCE COURSES

### 821 Honors Introduction to Programming Using

**Visual Basic**

.50 Credit

Grade All

This course presents an introduction to the computer programming world through the Visual Basic language, a Rapid Application Development (RAD) tool. The student is introduced to structured programming, exploring the concepts of decision logic, looping, and program design components. Students create many small, interactive programs as they learn these concepts, culminating in a final project utilizing the concepts learned in Visual Basic. Hands-on computer usage will be stressed, along with development of problem solving skills using computer designed student programs. Basic computer and keyboard familiarity is assumed. Students interested in advanced study of computer science should enroll in this course, which provides the necessary background material for higher level Computer Science courses.

### 831 AP Computer Science A

1.00 Credit

Grade 10, 11, 12

*PREREQUISITE: Final grade of B or above in course 821 or 822.*

This course is comparable to an introductory course offered to computer science majors in college and university computer science departments. The emphasis of the course is on programming methodology and procedural abstraction, to include the study of algorithms, data structures, and data abstraction. AP Computer Science A follows the curricular guidelines for a typical CS1 course consistent with the standards established by the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronic Engineers (IEEE). Students will take the College Board's AP Computer Science A test at the end of the course. The programming language for the AP Test will be JAVA.

### 842 Honors Computer Science AB

1.00 Credit

Grade 11, 12

*PREREQUISITE: Grade of B or better in Course 831, a score of 3 or better on the AP Computer Science A Examination, or permission of the Department Chair.*

Representative of a college level second course in computer science, this course places emphasis on procedural and data abstraction, as well as advanced data structures and the analysis of algorithms. Emphasis will be placed on the systematic study of algorithms, which focuses on understanding the action of the algorithm and then on analyzing the algorithm from a space/time perspective. Advanced data structures such as binary trees, linked lists, and hashing will also be addressed. At the conclusion of this course, students will take a Computer Science AB-type final exam with representative problems from the former Advanced Placement course. The programming language for this exam will be JAVA. No AP credit is awarded for this course. (This course was previously known as Computer Science AB.)

### 880/ Honors Networking Internship

881

.50 Credit

Grade 12

*PREREQUISITE: Grade of B or better in Course 800, 812, 821, or 822 and selection by the instructor.*

A hands-on internship that utilizes and expands the student's knowledge of computer hardware, servers and networking components. This course will challenge the student's problem solving skills as they learn to develop and implement a systematic approach to addressing new situations while providing a "real world" environment in which to apply and expand their computer networking knowledge and skills. Course is offered each semester to two (2) students, who will be selected by the instructor.



## **BISHOP IRETON HIGH SCHOOL**

201 Cambridge Road  
Alexandria, VA 22314

Phone: 703-751-7606

Fax: 703-212-8173

*[www.bishopireton.org](http://www.bishopireton.org)*