

MISSION STATEMENT

Bishop Brady High School, founded in 1963, is a Catholic, co-educational, regional High School in Concord, New Hampshire. Operating under the auspices of the Diocese of Manchester, we serve over 50 communities.

Our mission is to provide a challenging college-preparatory education for our students within a Christian atmosphere of support, order and discipline. Because we believe that parents are the primary educators of their children and recognize that the success of our community requires a mutual commitment, we work to foster a partnership among school, students, and family.

We challenge our students to live the Gospel values, to recognize the dignity of each being, to develop a strong sense of social consciousness and accept responsibility for themselves in the world of the 21st century.

GRADUATION CREDIT REQUIREMENTS

The following is a list of mandatory credits needed in specific areas:

THEOLOGY	4.0
ENGLISH	4.0
MATH	3.0
SCIENCE	3.0
SOCIAL STUDIES	3.0*
WORLD LANGUAGES	3.0 years**
FINE ARTS	1.0***
COMPUTERS	.5
PE/HEALTH	1.0***

Students need to have successfully completed a combination of the above requirements plus electives to reach a total of 23 credits to graduate.

- 1. Each student must take a minimum of six courses each semester**
- 2. Each student must follow course prerequisites and grade prerequisites.**

** 3.0 means 3 consecutive years of the same language (example: French I, II, and III). If the student has completed year 1 of a language in eighth grade and passes a competency test, they only need to complete two more years to meet the requirement; however, in this case it is highly recommended that at least a 4th year is completed for college preparation.

*** Both the Fine Arts and PE Departments have an option where the student can receive .5 credits outside class time. See the “Fine Arts Option” and “Physical Education Option” description in the ADDITIONS section of this guide.

YEARLY PROMOTION

Students must have accumulated the following total credits in order to be promoted.

	<u>Minimum</u>
Grade 9 to Grade 10	5 credits
Grade 10 to Grade 11	11 credits
Grade 11 to Grade 12	17 credits
Grade 12 to Graduation	23 credits

INTRODUCTORY PAGES

**COMPUTER
DEPARTMENT**

All students must either complete a computer course (441, 443 or 658) or may test out. In order to test out, students must pass a 100 question test demonstrating knowledge of computer literacy as well as a hands on test showing working knowledge of Word Processing, Spreadsheets and PowerPoint. (Microsoft Office 2003 is used to test out) The test-out is scheduled only once a year in August and usually takes about 4 hours. There is a \$25 fee for this test out.

- Sophomore year is the suggested time for completing the computer credit. It is highly suggested that the students take the full year College Prep course (441), which provides a better working knowledge of usable computer skills.

**ENGLISH
DEPARTMENT**

All students must complete 4 credits in English to graduate as stated below.

- Freshmen—English 9, Honors or CP, 1 credit
- Sophomore—English 10, Honors or CP, 1 credit
- Junior—English 11, Honors or CP, 1 credit
- Senior:--
CP—World Lit and Mythology
Honors—Brit. Lit, World Lit. and Writing
Advanced Placement—AP English

Any other Senior English courses may be taken as electives upon department approval.

**FINE ARTS
DEPARTMENT**

All students must complete 1 credit in Fine Arts to graduate.

- Freshmen take their first course in fine arts, .5 credit, the opposite semester from PE course 011.
- The second .5 course in fine arts may be taken any time in the remaining 3 years.
- Fine arts credits can also be used as elective choices.

(The **Fine Arts Option** allows students who participate in previously accepted fine arts classes outside the building such as dance and music classes to gain .5 credit toward Fine Arts. SEE Fine Arts OPTION and application form at end of this guide for explanation.) Application must be passed in with Course Selection Sheets.

**MATH
DEPARTMENT**

All students must complete a minimum of 3.0 credits in Math to graduate, although 4 credits are suggested.

- All students must complete the sequence of Algebra I, Geometry and Algebra II as part of the minimum requirement.
- Students who have had Algebra I in grade 8 must pass an Algebra I competency test in order to begin grade 9 with Geometry.
- Qualified students may take both Honors Geometry and Honors Algebra II in sophomore year to be ready for calculus in senior year. Only students who earn a 90% in Honors Algebra I and who have obtained department approval are qualified. Only students who plan to take math all four years may choose this option.

Examples of 4 year progressions in math:

CP

- Alg. I, Geometry, Alg. II, Trig, Topics I or II
- Alg. I, Alg. II, Geometry, Trig, Topics I or II

Honors

- Alg. I, Geometry, Alg. II, Precalculus
- Alg. I, Alg. II, Geometry, Precalculus
- Alg. I, Geometry, Alg. II, Trig./Statistics I
- Geometry, Alg. II, Precalculus, AP Calculus (AB)
- Geometry, Alg. II, Precalculus, Statistics I and II
- Alg. I, Geometry/Alg. II, Precalc., AP Calculus (AB)
- Geometry, Accelerated Alg. II, Accelerated Precalc., AP Calculus (BC)

**PHYSICAL EDUCATION
DEPARTMENT**

All students must complete 1 credit in PE to graduate.

- All Freshmen must complete course 011, .5 credit
- Course 022 **or NEW 024** .5 credit, may be used to complete the 1 full credit in PE or the PE Option can be used.

(PE Option allows students who participate on Bishop Brady teams to gain some credit towards PE. Any student who plays 2 NHIAA sponsored JV or Varsity sports during 2 years of high school, automatically earns the extra .5 credits needed to complete the PE graduation requirement.

**SOCIAL STUDIES
DEPARTMENT**

All students must complete 3 credits in Social Studies to graduate.

- Freshmen or Sophomore—World History
 - Junior—CP, US History 833
Honors, US History 834
High Honors, AP History 831
 - Senior—Civics + one .50 credit elective
- Other Social Studies courses can be taken to fulfill the required credit and/or as electives.

**THEOLOGY
DEPARTMENT**

All students must complete 4 credits in Theology to graduate. All students must also fulfill a specific number of service hours and a service portfolio each year. Full Theology credit will only be given each year when service hours are complete (see the *Additions* section at end of this guide for full service hours explanation.)

- Freshmen—Theology 9, 1 credit
- Sophomore—Theology 10, 1 credit
- Junior—Theology 11, 1 credit
- Senior—Great Religions, .5 credit
Senior Service Project, .5 credit

**SCIENCE
DEPARTMENT**

All students must complete 3 credits in Science to graduate.

One full credit must be Biology (Honors or CP)

One full credit must be Chemistry (Honors or CP)

- Freshmen—Biology, CP or Honors
- Sophomore—Chemistry Honors (If in Honors, Algebra II) and/or Science Electives
- Junior—Chemistry either Honors or CP and/or Science Electives
- Junior/Senior—Physics highly suggested Honors, Conceptual Physics suggested CP and/or Science Electives

Other science courses can be taken to fulfill the required credit and/or as electives.

**WORLD LANGUAGE
DEPARTMENT**

All students must complete a minimum of 3 consecutive years of the same language to graduate.

- Freshmen or Sophomore year the language requirement must begin.
- Incoming Freshmen previously taking a language in grade 8 must pass a competency test to start Freshmen year with the second year of any language. If this is accepted, the student can then take the second and third year as a Freshmen and Sophomore to complete the requirement. (In this case, however, it is highly recommended that at least a 4th year is completed for college preparation.)

All language courses are year-long courses.

Prerequisite Quick Reference Chart		
Course #	Course	Prerequisite
114	Catholic Tradition	Complete test and Dept. Chair approval
~~~~~	~~~~~	~~~~~
231	French III (Honors)	Permission of Instructor
241	French IV (Honors)	French III Honors & permission of instructor
245	AP French	French IV and Dept. Chair approval
271	Spanish III (Honors)	Permission of Instructor
281	Spanish IV (Honors)	Spanish III Honors & permission of instructor
291	AP Spanish (Honors)	Spanish IV and Dept. Chair approval
~~~~~	~~~~~	~~~~~
322	Intermediate Art II	Basic Art I Introduction to Art
326	Advanced Art III Wkshop	Basic Art I and Intermediate Art II
~~~~~	~~~~~	~~~~~
621	Honors Algebra II	80% in Hnors Algebra I or 90% in CP Algebra I and teacher recommendation
630	BC Algebra II	Honors Geometry and teacher recommendation Student w/a 90% average in Algebra I Honors may petition to take concurrently w/Honors Geometry
640	BC Precalculus	Honors Geometry & an 80% average in BC Algebra II and permission of instructor
641	Precalculus	80% average in Honors Algebra II
642	Trigonometry	80% average in CP Algebra II
650	AP Calculus BC	80% average in BC Precalculus, Precalculus teacher and Dept. Chair approval
651	AP Calculus AB	80% average in Precalculus, PreCalculus teacher recommendation, and Dept. Chair approval
655	Statistics I	Honors Algebra II and teacher recommendation
656	Statistics II	Statistics I
~~~~~	~~~~~	~~~~~
721	English 10 (Honors)	80% or better in Honors English 9 or 90% or better in CP English 9, teacher recommendation
731	English 11 (Honors)	80% or better in Honors English 10 or 90% or better in CP English 10, teacher recommendation
761	English 12 (Honors)	80% or better in Honors English 11 or 90% or better in CP English 11, teacher recommendation
751	AP English	88% or better in Honors English 11; Completion of a literary analysis pretest & summer work; English teacher recommendation & Dept. Chair approval
778	Film Appreciation	Completion of English 11 & English Dept. approval
779	Publications	English 9, 10, 11 and teacher approval
~~~~~	~~~~~	~~~~~
831	AP US History	87% average in Honors W. History, B in Honors English 10, acceptable writing skills, Dept. Chair approval.
834	US History (Honors)	82% in Honors W. History & Honors English 10, 90% in CP English 9 and Honors W. History
811	World History (Honors)	85% in English 9 (Honors)

Course #	Course	Prerequisite
931 941	Honors Chemistry Physics (Honors)	Completion of current enrollment in Honors Algebra II 80% or higher in Honors Algebra II and Dept. Chair approval Must be enrolled in or have completed Precalculus or Trigonometry
951	Anatomy & Physiology	Honors Biology, Honors Chemistry and Dept. Chair approval
952	Conceptual Physics I	Completion of Biology
953	Concept. Physics II	Completion of Biology
961	AP Chemistry	85% or better in Honors Chemistry or Dept. Chair approval and completion of Honors Algebra II
971	AP Biology	85% or better in Honors Biology and Honors Chemistry and Dept. Chair approval.

## Project Running Start at Bishop Brady

Students who enroll in and successfully complete select upper class courses at BBHS are eligible to receive college credit through our partnership with New Hampshire Community Technical College's "Project Running Start."

Project Running Start (PRS) is a dual enrollment program in which students have the "opportunity to satisfy requirements and earn credit toward high school graduation while earning college credit at the same time." BBHS courses that are eligible for PRS credit are announced in September. Tuition for each course is \$100. and registration takes place at the beginning of each school year. Go to: [www.nhctc.edu](http://www.nhctc.edu), click on Academic Programs, then on Project Running Start for more information and an updated list of the many colleges accepting PRS transfer credits. (Acceptance of transfer credit varies from college to college and is at the discretion of the transfer-receiving institution.)

## ***LEVEL DESCRIPTIONS***

**COLLEGE PREP (CP)** courses are designed for students who demonstrate the learning potential necessary to succeed. These courses prepare students for post-secondary education.

**HONORS** courses are more intensive courses designed for those students of superior academic ability who are self-motivated and independent learners. They have demonstrated organizational skills and above-average reading comprehension. Department permission is required for assignment to Honors courses. Note that 10 quality points towards GPA are given for Honors courses.

**AP**, Advanced Placement, courses make substantial academic demands on students. Students are required to do considerable outside reading and other assignments and to demonstrate the analytical skills and writing abilities expected of *first-year students in a strong college program*. Some AP courses demand summer reading to be done before the academic year begins. College credit and/or advanced placement in college courses may be received upon successful completion of a National AP test. Students must apply and meet strict requirements to be accepted into any AP class. A sample form is shown at the end of this guidebook under *Additions*. Because of the demands of AP courses, students are advised to attempt no more than two AP courses per year. Students and parents should be aware that because AP courses are the equivalent of college courses, it is not uncommon for students to earn a grade at least a letter grade lower than the student may have earned in the past. Note that 15 quality points towards GPA are given for this challenge.

**COURSE LEVEL CHANGES:** Any student wishing to change a level in any core course within the school year can do so only when suggested by the current teacher and Dept. Chair and with the appropriate Level Change form from the guidance office. Level changes are made only when they are academically necessary, in the best interest of the student, and when a change will not adversely affect class sizes. Course level changes will only be made at the end of 1st and 2nd quarters.

**EXAMPLES OF HONORS AND CP COURSES WITH WEIGHTED SCALE**

*Example of CP Grades*

Courses	Report Grade	Letter Grade	Non Weighted
Theo. 11, CP	90	A-	90
Eng. 11, CP	80	B-	80
Alg. 2, CP	85	B	85
French 2, CP	79	C+	79
Chem., CP	86	B	86
US History, CP	84	<u>B</u>	84
<b>AVERAGE</b>	<b>84*</b>	<b>B</b>	<b>84**</b>

**Example of Honors Weighted Grades**

Courses	Report Grade	Letter Grade	Honors Points Added	Weighted Grade
Theo. 11, CP	90	A-		90
Eng. 11, Honors	80	B-	10	90
Alg. 2, Honors	85	B	10	95
French 2, CP	79	C+		79
Chem., Honors	86	B	10	96
AP US History	84	B	15	99
<b>AVERAGE</b>	<b>84*</b>	<b>B</b>		<b>91.5**</b>

*Grades that shows on Report Cards and Transcripts

**Grades used for class rank

**NUMERIC GRADE, LETTER GRADE, & FOUR-POINT EQUIVALENTS**

Grade	Letter	Grade	Letter	Grade	Letter	Grade	Letter
100	A+	4.5					
99	A+		89	B+		79	C+
98	A+		88	B+	3.3	78	C+
97	A		87	B+		77	C+
96	A		86	B		76	C
95	A	4.0	85	B	3.0	75	C
94	A		84	B		74	C
93	A		83	B		73	C
92	A-	3.7	82	B-	2.7	72	C-
91	A-		81	B-		71	C-
90	A-		80	B-		70	C-

Note: Four-Point scale is approximate

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**PHYSICAL EDUCATION  
DEPARTMENT**

All students must complete 1 credit in PE to graduate.

- All Freshmen must complete course 011, .5 credit
- Course 022 **or NEW 024** .5 credit, may be used to complete the 1 full credit in PE or the PE Option can be used.

**(PE Option** allows students who participate on Bishop Brady teams to gain some credit towards PE. Any student who plays 2 NHIAA sponsored JV or Varsity sports during 2 years of high school, automatically earns the extra .5 credits needed to complete the PE graduation requirement.

**011 PE/HEALTH**

**Level:** CP  
**Grades:** 9, 10,  
**Credit:** .5

Physical Education is designed to involve the students in team sports as well as encourage individual physical fitness that can be carried throughout life. The Health component of Physical Education focuses on living a healthy life both now and in the future.

Students will work as members of teams and will learn rules and interaction skills in sports such as soccer, flag football, basketball, indoor hockey, softball, track, weight lifting and polo hockey. The students will study the topics of nutrition, diet, drugs, alcohol, stress, first aid and wellness. Students study first aid skills and discuss the affects of drugs and alcohol abuse.

This mandatory course is a semester course and provides .5 credit toward graduation requirement. Students are graded on a pass/fail basis. (The PE Option explained above can be used to fulfill the other .5 credit in PE.)

**022 Physical Education**

**Level:** CP  
**Grade:** 10, 11, 12  
**Credit:** .5

This PE class is for students who must finish their full credit requirement for PE. This course involves similar activities as PE/Health without the Health component.

This semester course provides .5 credits toward graduation. Students are graded on a pass/fail basis.

**024 (Wellness) PHYSICAL EDUCATION**

**Level:** CP  
**Grade:** 10, 11, 12  
**Credit:** .5

Wellness: Theory and Practice is designed to provide students with information and experiences to promote a healthy lifestyle

Topics include basic anatomy and physiology, several modalities of fitness (aerobic training, weight training, cardiovascular training, stretching) and become CPR certified. Students will be expected to participate in all activities, including individual fitness goal setting.

This course is a semester long and provides .5 credit towards graduation requirement. This course may be substituted for senior PE.

**THEOLOGY  
DEPARTMENT**

All students must complete 4 credits in Theology to graduate. All students must also fulfill a specific number of service hours and a service portfolio each year. Full Theology credit will only be given each year when service hours are complete (see the **Additions** section at end of this guide for full service hours explanation.)

- Freshmen—Theology 9, 1 credit
- Sophomore—Theology 10, 1 credit
- Junior—Theology 11, 1 credit
- Senior—Great Religions, .5 credit  
Senior Service Project, .5 credit

**112 OVERVIEW OF CATHOLICISM/  
MORALITY**

**Level:** CP  
**Grade:** 9  
**Credit:** 1

This course is designed to provide an introduction to Catholic Christianity. *The Light of Faith* textbook allows the student to open himself or herself to God's gift of faith so that it becomes real and meaningful. The course promotes both an intellectual understanding and a spiritual appreciation for the Catholic faith. Regardless of faith tradition, all students will have a basic understanding for the life and teachings of Jesus, the 2nd person of the Holy Trinity, while exploring the formation of Catholic doctrine including the Nicene Creed. All students will

gain a better appreciation and respect for the Sacraments of the Church, with special emphasis on the Liturgy of the Word and the Liturgy of the Eucharist used within the context of **The Mass**. A respectful community is expected at each liturgical experience.

In addition to *The Overview of Christianity*, students will also study and discuss the advantages of establishing good moral habits in order to enhance positive decision making skills. Through the use of the text *Theology of the Body*, young people will explore a positive portrayal of love and life within the context of vocations and lifestyles. As stated by Pope John Paul II students must be encouraged to develop, "a true reverence for the gift of our sexuality." John Paul challenges us to live it in a way worthy of our great dignity as human persons. His theology is not only for young adults or married couples, but for all ages and vocations since it sums up the true meaning of the human person.

This full year course, along with 10 required service hours and a portfolio, fulfills the freshmen theology requirement needed for graduation.

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#### ***114 CATHOLIC TRADITION, MISSION AND PRACTICE***

**Level:** H  
**Grade:** 9  
**Credit:** 1

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This course is designed to provide an accelerated and more in depth study of the 9th grade curriculum on the subject of Catholic Christianity. In order to qualify for *Catholic Tradition, Mission, and Practice*, knowledge of the material taught in the *Overview of Catholicism* course is a necessary pre-requisite. Students must be assessed prior to entry into the class. *The Church: Our Story* will challenge the student to examine the integral components of the Catholic Church. The course will build upon a solid Catholic foundation to deeply explore and appreciate the different aspects of the Church. Students will discuss the Church as the Mystical Body of Christ. The Creeds, laws, dogmas, and doctrine, Sacraments, the Communion of Saints, and Mary: the Model and Mother of the Church are just a few topics that will be covered in an historic context.

In addition to *The Church: Our Story*, students will also study and discuss the advantages of establishing good moral habits in order to enhance positive decision making skills. Through the use of the text *Theology of the Body*, young people will explore a positive portrayal of love and life within the context of vocations and lifestyles. As stated by Pope John Paul II students must be encouraged to develop, "a true reverence for the gift of our sexuality." John Paul

challenges us to live it in a way worthy of our great dignity as human persons. His theology is not only for young adults or married couples, but for all ages and vocations since it sums up the true meaning of the human person.

Finally, all students will learn to appreciate the summit of Catholic worship, the Liturgy of the Word and the Liturgy of the Eucharist. A respectful community is expected at each liturgical experience.

This full year course, along with 10 required service hours and portfolio, fulfills the freshmen theology

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#### ***122 THEOLOGY 10 CATHOLIC SCRIPTURE STUDY***

**Level:** CP  
**Grade:** 10  
**Credit:** 1

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This full year course covers the Old and New Testaments using the New American Bible translation as well as two textbooks. Students will study the 4,000-year-old Jewish covenant with God rooted in the Torah as they examine the Pentateuch, the Historical and Prophetic books, and Wisdom literature. They will also examine the context and values of inspired Scriptures and learn the authors' intent within the traditions of Hebrew Scriptures.

Students will learn to connect the prophecies of the Old Testament with their fulfillment in the New Testament. By examining the life and message of Jesus they will learn the basis for the Church's social teachings and social responsibility. They will explore the Person of Jesus in the Gospels and the Letters, and Jesus' continued action through the Holy Spirit expressed in Acts and the Book of Revelation.

This two part full year course, along with the 15 required service hours, and portfolio will combine to fulfill the sophomore theology requirement needed for graduation.

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#### ***133 THEOLOGY 11 CHURCH HISTORY/SOCIAL JUSTICE***

**Level:** CP  
**Grade:** 11  
**Credit:** 1

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This course is designed to discover two different approaches on how to best live out the teachings of The Catholic Faith. The first part of the course traces the historical development of the Church. Students will examine major topics including Pentecost and Christian evangelization, the rise of the Church's political authority, monasticism, Church reform,

Vatican Councils I and II and the development of Church teachings, both theological and social. The lives of the saints will be emphasized as models of Christian living.

The second area of junior Theology will challenge students to gain a better understanding of the Church's moral/social teachings. Church teaching will be explored and incorporated within this course as it applies to justice and stewardship and our call to care and protect the gift of God's creation. Current event issues and practical applications within the community will be integrated within each of these two segments when they parallel either the historical or social justice themes. Some of the topics covered include abortion, euthanasia, capital punishment, prejudice, racism, poverty, workers' rights and just war.

Two texts will be utilized in this full year course supplemented by Church Encyclicals, Pastoral Letters, The Catechism of the Catholic Church and other teacher resources. This course, along with the required 20 service hours, and a portfolio fulfills the junior theology requirement needed for graduation.

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**142 THEOLOGY 12**  
**GREAT RELIGIONS**

**Level:** CP  
**Grade:** 12  
**Credit:** .5 (course) & .5(service portfolio)

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This year is divided into two half-credit courses.

**The first mandatory course for a .5 credit is called Great Religions**, which is an overview of the major religions of the world. Students will take a look at, Primal Religions, Judaism, Islam, Hinduism, and Buddhism. In the study of these religions, it is the goal for students to gain an understanding, respect and appreciation for the role that these religions play in the world, past, present and future. Students will be challenged to the values that are found within these religions in order to enhance their own faith lives and beliefs. This semester course is offered first and second semester and is necessary to fulfill their graduation requirement.

**The second mandatory course for the other .5 credit for senior theology** is not a classroom course. This is an independent study course, which runs throughout the student's senior year. This course begins in September and requires students to fulfill a minimum of twenty-five community service hours as well as completing a service portfolio. See the community service requirement on the Theology Service Credits sheet in the back of this guide.

**Summer Hours:** we recently began allowing seniors to complete their community service hours during the summer of their senior year. Their hours may be accepted with the fulfillment of several requirements that must be completed in the spring of their junior year. All summer work and pre-requisites must be approved by the Campus Minister prior to the end of the current school year.

Both of these courses are necessary in order to complete the senior theology requirement mandatory for graduation.

**WORLD**  
**LANGUAGE DEPARTMENT**

All students must complete a minimum of 3 consecutive years of the same language to graduate.

- Freshmen or Sophomore year the language requirement must begin.
- Incoming Freshmen previously taking a language in grade 8 must pass a competency test to start Freshmen year with the second year of any language. If this is accepted, the student can then take the second and third year as a Freshmen and Sophomore to complete the requirement. (In this case, however, it is highly recommended that at least a 4th year is completed for college preparation.)
- All language courses are year-long courses.

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**203 LATIN I**

**Level:** CP  
**Grades:** 9, 10, 11, 12  
**Credit:** 1

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This course introduces the students to the basics of Latin language and contributions of Roman civilization to the Western World. English grammar will also be reinforced.

Students will demonstrate a mastery of both Latin and English grammar. Students will explore various aspects of Roman history, art, and culture. Students will recognize English derivatives from Latin words. Students will submit projects and translations which illustrate the contributions made to Western civilization by the Greeks and Romans. Students will be required to make cue cards to develop vocabulary.

Successful completion of this course meets the prerequisite for Latin II.

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**204 LATIN II**

**Level:** CP

**Grades:** 9, 10, 11, 12

**Credit:** 1

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Latin II introduces the students to advanced concepts in the Latin language such as the passive voice, irregular declensions and the subjunctive. This class provides a background of Greco-Roman culture through translating Pliny, Cicero, Martial, and other Roman writers.

Students will be required to keep weekly journals demonstrating their ability to write Latin. Students will be required to do a number of creative writing assignments. Students will continue to master and utilize English and Latin grammar. Students will demonstrate mastery of all six tenses, both active and passive and continue to develop vocabulary. Students will complete and translate a variety of readings depicting Roman culture.

Successful completion of this course meets the prerequisite for Latin III.

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**205 LATIN III**

**Level:** Honors

**Grades:** 10, 11, 12

**Credit:** 1

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Latin III is a course that continues to reinforce and develop upon the skills acquired in Latin I and II.

Students will review basic grammatical concepts and study more advanced structures. Greater emphasis will be placed on translations. Mastery of grammar should be evident at the start of the year. Students will continue to develop vocabulary and are expected to be able to translate difficult passages. Roman history will be studied through the works of Roman writers such as Caesar, Pliny, Martial, etc.

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**212 FRENCH I**

**Level:** CP

**Grades:** 9, 10, 11, 12

**Credit:** 1

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This course is an introduction to the basics of the French language and culture. It will include the reinforcement of the four skills: listening, speaking, reading and writing French, with activities that will foster communication in conversational situations. The vocabulary presented in the *Bon Voyage I* text and workbook, will be presented in themes, such as shopping, family, and school life.

Students will master both vocabulary and grammar as it is presented thematically. They will practice communicating in small group activities. They will practice their listening and reading comprehension skills through assigned activities from their online text. They will have regularly scheduled sessions in the Media Lab to work on online activities. These activities reinforce the vocabulary, grammar and culture being covered in class. Students will explore the many points of interest in French history, geography and culture through research and project presentations.

This course meets the prerequisite for French II. (Eighth grade students who have taken one or more years of French will take a French placement exam to determine their qualification for French II in the 9th grade.)

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**222 FRENCH II**

**Level:** CP

**Grades:** 9, 10, 11, 12

**Credit:** 1

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This course is a continuation of the basics of the French language and culture introduced in French I. It will include the study of more complicated verb tenses and grammar as well as longer reading selections, presented in the *Bon Voyage 2* text and workbook. This course will examine in greater depth the rich culture and history of the French Province of Quebec.

Students are encouraged to speak French in the classroom, in communicating with the teacher and in their cooperative learning groups. They will extend their reading skills beyond the text books by reading a short novel second semester. They will practice their listening and reading comprehension skills through assigned activities from their online text. They will have regularly scheduled sessions in the Media Lab to work on online activities. These activities reinforce the vocabulary, grammar and culture being covered in class.

This course meets the prerequisite for French III. The French II instructor will determine entrance into CP or Honors French III.

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**231 FRENCH III**

**Level:** Honors

**Grades:** 10, 11, 12

**Credit:** 1

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This course will continue to expand the four language skills through a selection of Test units, novels and films. These resources will explore the use of more complex language structures, such as the subjunctive mood, compound verb tenses, etc, presented in the

**Bon Voyage 2** text. A unit on Paris, its history and culture, and a study of the Louvre museum will accompany the mystery novel, **Vol de la Joconde**. Second semester will be devoted to a 5-part film series, and a classic in French literature: **Petit Prince**.

Students will use French in the classroom. They will demonstrate their mastery of the vocabulary and their ability to analyze stories and films through essay writing and class discussions. Students will prepare oral presentations to reinforce oral proficiency. They will practice their listening and reading comprehension skills through assigned activities from their online text. They will have regularly scheduled sessions in the Media Lab to work on online activities. These activities reinforce the vocabulary, grammar and culture being covered in class.

Successful completion of this course meets the prerequisite for French IV.

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### **232 FRENCH III**

**Level:** CP

**Grades:** 10, 11, 12

**Credit:** 1

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Students will study new grammar and vocabulary from the **Bon Voyage 2** text, as well as from short stories and films. Students will develop their writing skills and speaking skills through regularly assigned compositions and discussions on the films and stories studied in class. They will continue to study the culture of France, with emphasis on Paris. Second semester will include a unit on France and its' struggle during World War II.

They will practice their listening and reading comprehension skills through assigned activities from their online text. They will have regularly scheduled sessions in the Media Lab to work on online activities. These activities reinforce the vocabulary, grammar and culture being covered in class.

This course does not meet the prerequisite for French IV. Students demonstrating exceptional skills may qualify, with the teacher's recommendation, however.

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### **241 FRENCH IV**

**Level:** Honors

**Grades:** 11, 12

**Credit:** 1

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This course is designed for students who wish to continue their study of French beyond high school, and are motivated to practicing the language as much as possible both in and out of the classroom.

Students will study more complex grammar structures and vocabulary through their **Reprise** text, French newspaper and magazine articles. Oral presentations and compositions will be assigned regularly on the books and films being presented each quarter. Oral comprehension will be reinforced through videos and audio tapes.

Semester 1 will include an overview of French History. Students will then concentrate on the 17th century, reading a work from the famous playwright Moliere.

Semester 2 will be devoted to the 18th century, with film and readings depicting the politics, the philosophy, and the culture of that time period. Major topics will be the philosophy of Voltaire, the ills of an absolute monarchy, and the French Revolution. The semester will conclude with Victor Hugo's **Les Misérables**.

Successful completion of this course and permission of Dept. Chair meet prerequisite for AP French.

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### **245 AP FRENCH**

**Level:** Advanced Placement

**Grade:** 12

**Credit:** 1

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The AP French Language course is designed to provide students with a communicative ability in French language. The course has the following objectives: to develop the ability to understand spoken French in various contexts; to develop a French vocabulary sufficient for reading newspaper and magazine articles, literary texts, and Internet articles without dependence on a dictionary; and to develop the ability to express oneself in French, both orally and in writing, coherently, resourcefully, and with reasonable fluency and accuracy.

Students will do the exercises from the **AP French** Text, and take practice exams periodically. They will submit recordings of their oral reports for analysis and submit summaries of articles they've read on the Internet. Students will take the AP exam in May.

Prerequisite: French IV & Dept. chair approval.

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### **252 SPANISH I**

**Level:** CP

**Grades:** 9, 10, 11, 12

**Credit:** 1

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Spanish I introduces the student to the Spanish language. The course will focus on all four of the language skills: listening, speaking, reading and

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writing. Spanish I students are exposed to the richness and diversity of the Spanish-speaking world through the study of culture in Spain and Latin America. Students will use the **Vistas** college program text and workbook, studying units 1-6.

To develop their Spanish skills, students use their books and workbooks to learn and practice Spanish grammar, vocabulary, and expressions; moreover, students participate in a variety of classroom activities, including games, songs, skits, and dialogues. Students take oral and written tests and create presentations to demonstrate their mastery of course material. They will have regularly scheduled sessions in the Media Lab to work on online activities. These activities reinforce the vocabulary, grammar and culture being covered in class.

At the conclusion of Spanish I, students will understand fundamental Spanish grammar and vocabulary and be able to communicate in Spanish at a novice level. This course meets the prerequisite for Spanish II. (Eighth grade students who have taken one or more years of Spanish will take a Spanish placement exam to determine their qualification for Spanish II in the 9th grade.)

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### **262 SPANISH II**

**Level:** CP

**Grades:** 9, 10, 11, 12

**Credit:** 1

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Spanish II is a course that continues to develop students' abilities to understand and converse in Spanish. The course focuses on all four of the language skills: listening, speaking, reading, and writing. Spanish II students are introduced to new elements of grammar and vocabulary while they continue to review structures and vocabulary learned in Spanish I.

To further their Spanish skills, students use their **VISTAS** college program text and workbooks, studying units 7 to 12. They will practice their listening and reading comprehension skills through assigned activities from their online text. They will have regularly scheduled sessions in the Media Lab to work on online activities. These activities reinforce the vocabulary, grammar and culture being covered in class.

Students will participate in a variety of classroom activities, including games, songs, skits, and dialogues. Students take oral and written tests and create presentations to demonstrate their mastery of course material. At the conclusion of Spanish II, students will understand fundamental Spanish grammar and vocabulary and be able to communicate in Spanish at a beginner level.

This course meets the prerequisite for Spanish III. The Spanish II instructor will determine entrance into CP or Honors Spanish III.

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### **271 SPANISH III**

**Level:** Honors

**Grades:** 10, 11, 12

**Credit:** 1

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This course will offer a short review of verb tenses and some grammar structures learned in the first two years and will introduce more advanced grammar structures as well as the subjunctive mood.

Students will be expected to master the vocabulary from the assigned text as well as read short stories and mini-novels of varying degree of difficulty to reinforce reading comprehension. Individual and group presentations will be assigned to promote fluency. Students will be expected to use their Spanish in class and are encouraged to do so outside of class as well. Students will also be expected to write compositions on a variety of topics. They will have regularly scheduled sessions in the Media Lab to work on online activities. These activities reinforce the vocabulary, grammar and culture being covered in class.

Successful *honors* assessment of *all* language skills in this course and permission of the Spanish III instructor are needed to meet the prerequisite to enter Spanish IV

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### **272 SPANISH III**

**Level:** CP

**Grades:** 10, 11, 12

**Credit:** 1

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This course will review the verb tenses and grammar structures learned in the first two years.

Students will then study new grammar and vocabulary from the assigned text, as well as read short stories and mini-novels to reinforce reading comprehension. Individual and group work will be assigned regularly. Students will be quizzed often to assess their progress. Students will be expected to use their Spanish in the classroom and are encouraged to do so outside the classroom as well. They will have regularly scheduled sessions in the Media Lab to work on online activities. These activities reinforce the vocabulary, grammar and culture being covered in class.

This is the last Spanish course offered to CP students. This course DOES NOT meet the prerequisite for Spanish IV.

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**281 SPANISH IV**

**Level:** Honors

**Grades:** 11, 12

**Credit:** 1

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This course is designed for students who want to continue to study Spanish on an advanced level and are motivated to practicing the language as much as possible both in and out of the classroom.

The course will be taught using the **IMAGINA** college program. This book comes with a complementary textbook with written and listening activities. They will practice their listening and reading comprehension skills through assigned activities from their online text. They will have regularly scheduled sessions in the Media Lab to work on online activities. Latin-American and Spanish geography, history and culture will serve as themes for their **LEYENDAS** reader book. Students will continue improving their oral communication skills through both prepared and impromptu speeches and other oral presentations as well as with in class conversation. There will be a concentration on bettering writing skills using advanced grammar structures. This will include writing short stories, theme essays and free topic papers. Students will be assessed both orally and in writing.

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**286 AP SPANISH**

**Level:** Honors

**Grades:** 12

**Credit:** 1

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The AP Spanish Language course emphasizes the use of authentic Spanish language source materials and the integration of aural/oral skills, reading comprehension, grammar, and composition. Course objectives are to: understand Spanish spoken by native speakers at a natural pace; develop an active vocabulary sufficient for reading newspaper and magazine articles, literary texts, and other non-technical writings; and express yourself by describing, narrating, inquiring, and developing arguments in Spanish, both orally and in writing, with reasonable fluency, using different strategies for different audiences and communicative contexts. Students will do the exercises from the **AP Spanish** Text, and take practice exams periodically. They will submit recordings of their oral reports as well as written summaries from readings completed throughout the course. Students will take the AP exam in May.

[By Departmental permission if successful senior from Spanish III Honors or Spanish IV]

**FINE ARTS  
DEPARTMENT**

All students must complete 1 credit in Fine Arts to graduate.

- Freshmen take their first course in fine arts, .5 credit, the opposite semester from PE course 011.
- The second .5 course in fine arts may be taken any time in the remaining 3 years.
- Fine arts credits can also be used as elective choices.

(The Fine Arts Option allows students who participate in previously accepted fine arts classes outside the building such as dance and music classes to gain .5 credit toward Fine Arts. SEE Fine Arts OPTION and application form at end of this guide for explanation. Application must be passed in with Course Selection Sheet".)

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**321 BASIC ART I INTRO. TO ART**

**Level:** CP

**Grades:** 9, 10, 11, 12

**Credit:** .5

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This is a one semester course that is a beginner's art class that explores the elements and principles of art and design. Students will be introduced to several art movements, and a variety of media. This is an art class for all levels, including students who have not previously studied art. Sketchbook assignments will be required outside of class.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**322 INTERMEDIATE ART II**

**Level:** CP

**Grades:** 10, 11, 12

**Credit:** .5

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This course is geared to the student who wishes to continue with art in a more challenging direction, but it will still maintain the same level of fun and exploration as Basic Art I Introduction to Art, emphasis is placed on a variety of mediums and techniques. Students will explore drawing, watercolor painting, collage, scratchboard, and sculpture (without clay) to just name a few. Also, independent sketchbook work is required outside of class.

*Prerequisite: Basic Art I Introduction to Art.*

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**323 COLOR THEORY & DESIGN**

**Level:** CP

**Grades:** 11, 12

**Credit:** .5

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This course is offered to the student who would like to understand their strongest sense, vision. In this course the student will understand that color study exists in the areas of both visual art (aesthetics) and science (physics).

*Part I* of this course will cover a complete exploration of color study including: color theory, color interaction, the materials of color, and computer color. *Part II* will pertain to design, compositional theory, and the role of color in design and art. The two parts will consist of hands-on activities that will be visually helpful to a student's understanding of color.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**326 ADVANCED ART III WORKSHOP**

**Level:** CP

**Grades:** 11, 12

**Credit:** .5

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This course will allow for more advanced examination of studio art thru drawing and painting. Therefore, highly motivated students will be accepted and the students will need to work periodically outside the classroom to meet deadlines. A sketchbook is required at all times. In, drawing the student will study the art of composition further. With painting the student will investigate the use of color and the use of light in paintings.

*Prerequisite:* Basic Art I and II.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**328 SOFT SCULPTURE**

**Level:** CP

**Grades:** 9, 10, 11, 12

**Credit:** .5

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This course will allow the students to create with materials such as fabric, yarn, thread, string, nylons, burlap, feathers to just name a few. The student will get to macramé, weave, create nylon dolls, and create puppets, banners. This fun but creative class will still place emphasis on the elements of art and design. Students will need to have an understanding of how to use simple sewing with a needle and thread.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**330 MEDIA DESIGN WITH**

**ADOBE CS3**

**Level:** CP

**Grades:** 12

**Credit:** .5

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This course is an introduction to the Adobe CS3 Software. Students will be able to create illustrations, work with digital images, and lay out document pages that include both text and graphics. Hands on experience using Adobe Illustrator, Photo Shop, and Indesign, students will learn how the many different tools, drawing and painting, modifying shapes, using layers and types and much more. The use of equipment such as a scanner, digital camera, tablets and printer will be used and applied.

*Students should have a working knowledge of basic design elements, common Windows navigation and word processing skills and Basic Art I Introduction to Art.*

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**342 MUSIC**

**APPRECIATION/HISTORY**

**Level:** CP

**Grades:** 10, 11, 12

**Credit:** .5

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This one semester course provides students with an overview of the history of 20th century popular music. It explores the influence of music in our lives. Students will compare present day music idioms with those of past eras. This course will also contain biographical studies of the musicians who were important to the development of American music. Types of music to be discussed include classical, folk, blues, ragtime, jazz, swing, be-bop, rock, alternative, etc.

Students will be taught to do "perceptive listening". That is the ability to listen and analyze music with understanding, intellect, and emotion. Students will be exposed to many aural and visual presentations of various types of music.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**352 DRAMA**

**Level:** CP  
**Grades:** 9, 10, 11, 12  
**Credit:** .5

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This drama course serves as an introduction to oral interpretation of literary works. Students will share their understanding of literary texts (drama, prose, and poetry) with an audience after analysis and translation of analysis into physical and vocal expression. The course will focus on learning to interpret characterization and/or meaning through a combination of analysis, class discussion, practice, and instructor direction. Students will have the opportunity to choose their pieces for performance. Students will also perform monologues and dialogues.

No previous experience in the performing arts is required. Students will be required to memorize material in this class.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**372 CHORUS**

**Level:** CP  
**Grades:** 9, 10, 11, 12  
**Credit:** .5 (meets every other day for full year)  
Course may be repeated

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This half-credit course will focus on the development of basic vocal skills in a group setting. Students participate in chorus for a full year. The course alternates every other day with their study period.

Students will explore various styles of vocal music including traditional, popular, blues, rocks, jazz. etc. Rehearsal techniques will be presented, with an emphasis on the development of the vocal ensemble for the purpose of school and/or public performance. Students will also learn basic music reading skills, harmony and theory as it applies to vocal performance. Other music skills that will be developed include part-singing, pitch control, rhythm dictation, breathing, musical interpretation, phrasing and enunciation. Chorus students should be prepared to participate in all public performances. Chorus also serves as the core of our music ministry singers.

Chorus is an elective and can fulfill .5 of the Fine Arts requirement. Students may participate more than 1 year in Chorus for credit.

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**382 CONCERT BAND**

**Level:** CP  
**Grades:** 9, 10, 11, 12  
**Credit:** 1 (Course may be repeated)

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This performance-based class will give students the opportunity to experience ensemble playing in concert band style. Emphasis will be placed on both individual proficiency and ensemble sound. Students may take this course more than one year.

Students will perform a variety of musical genres including pop, classical and contemporary music. Students will learn the concepts of sound, blend, intonation, reading, phrasing and other performance considerations. Participation in Pep Band will be expected of all concert band members. Students will be expected to participate in various school and public appearances. Students are required to provide their own instruments. Prior band experience is mandatory. An audition may be required.

Band is an elective and can be used to fulfill the Fine Arts credit. Students may participate more than one year in Band for credit.

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**385 & 386 CONTEMPORARY  
PERFORMANCE**

**Level:** CP  
**Grades:** 9, 10, 11, 12  
**Credit:** .5 per semester (Course may be repeated)

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This course provides students the opportunity to perform contemporary music in an ensemble setting.

This course will also explore the basics of sound reinforcement and live music production. Additionally, students will learn techniques for recording and mixing music.

Students must provide their own equipment and instruments including amplifiers, cords, picks, and sticks. A minimum of 2 years experience is required as well as a basic knowledge of music theory. Students will be required to participate in all public performances which may be scheduled throughout the school year.

Contemporary Performance is an elective and can be used to fulfill the Fine Arts Credit. Students may participate in more than one year of this course for credit.

An audition may be required.

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**388 CONCERT BAND II**

**Level:** CP

**Grades:** 10, 11, 12

**Credit:** 5 (meets every other day for full year)

Course may be repeated

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This half-credit course is offered for sophomores, juniors, and seniors who have been in concert band previously. This class follows the same course description as Concert Band but allows students to have a study hall every other day.

Concert Band II is an elective and can be used to fulfill the Fine Arts Credit. Students may participate in more than one year of this course for credit.

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**383 GUITAR I**

**Level:** CP

**Grades:**9,10,11,12

**Credit:** .5

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This half-credit, full year class is designed for the beginning guitar student with less than a year of experience. We will cover the basics of reading music, music theory, playing chords and scales, and improvisation. Students must have their own instrument in good working order. This class meets every other day, opposite a study hall or Guitar Ensemble.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**387 GUITAR ENSEMBLE**

**Level:** CP

**Grades:**9,10,11,12

**Credit:** .5

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Guitar Ensemble is a performing group that meets every other day for the full year. Students will read music and will perform as duos, trios, and as a larger ensemble. This group will perform at various concerts and liturgies throughout the year. This class meets opposite a study hall, or students may elect to take Guitar I on the opposing days.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**390 POETRY AND PERFORMANCE**

**Level:** CP

**Grades:** 9, 10, 11, 12

**Credit:** 5

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This fall semester course is designed to foster an appreciation for language through poetry. Students will learn about the art of poetry through weekly explorations of poets and poetry from different periods as well as how to apply what they learn to their own original poems. Workshops of their original work will encourage students to participate in an active writing community through thoughtful analysis and to respect the fragile nature of the creative process. Finally, students will learn that poetry is a spoken art by participating in a Poetry Out Loud event by preparing and reciting at least two poems to be performed for the class. Through the study of poetry, students will develop a better understanding of how to read and use language as well as how to apply these skills to their own work and discussions of literature.

This course is an elective and can fulfill .5 of the Fine Arts requirement.

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**COMPUTER  
DEPARTMENT**

All students must either complete the computer course 441 explained below or may test out. In order to test out, students must pass a 100 question test demonstrating knowledge of computer literacy as well as a hands-on test showing working knowledge of Word Processing, Spreadsheets and PowerPoint. (Microsoft Office 2003 is used to test out.) The test out is scheduled only once a year in June, and usually takes about 4 hours. There is a \$25 fee for this test out.

- Sophomore year is the suggested time for completing the computer credit. It is highly suggested that the students take the full year course (441) which provides a better working knowledge of usable computer skills.
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**441 COMPUTERS**

**Level:** CP

**Grades:** 10, 11, 12

**Credits:** 1

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The first few weeks of Qt. 1 of this course will focus on typing basics introducing the students to the computer keyboard and good typing techniques. The students will learn to type accurately, with emphasis placed on proofreading and the importance of good

final copy. Students will learn formatting procedures for various personal and business correspondence such as business letters, memos and reports with emphasis on the MLA style research report. This first quarter may serve as an introduction of proper typing to some but is also a wonderful review for those who have some typing skills. *Good typing skills and knowledge of proper formatting is necessary to succeed in the following quarters of computers.*

The second through fourth quarters will focus on Computers using Microsoft Office 2003 for Windows. The students will be able to utilize the basics of Microsoft Word, Excel, PowerPoint, and introduction to the Internet. The students will have the opportunity to have hands-on experience with software applications providing them with a good working knowledge of the necessary computer skills that will be demanded of them in college and beyond.

This course satisfies the .5 computer requirement needed for graduation as well as a .5 elective credit.

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**443 SENIOR COMPUTERS**

**Level** CP  
**Grade:** 12  
**Credits** .5

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This semester computer course is geared for Seniors who, because of scheduling problems, have not been able to work in the full year computer course. Because of the shorter period of time, it is limited in what can be covered. It is expected that any student taking this course has previously taken a keyboarding course and/or has good typing skills.

This course uses Microsoft Office 2003 for Windows. The students will be introduced to Word Processing, Spreadsheets, and PowerPoint. The students will have the opportunity to have hands-on experience with software applications providing them with some working knowledge of the necessary computer skills that will be expected of them in college and beyond.

This course satisfies the .5 computer credit needed for graduation.

**MATH  
DEPARTMENT**

All students must complete a minimum of 3.0 credits in Math to graduate, although 4 credits are suggested.

- All students must complete the sequence of Algebra I, Geometry and Algebra II as part of the minimum requirement.
- Students who have had Algebra I in grade 8 must pass an Algebra I competency test in order to

begin grade 9 with Geometry.

- Qualified students may take both Honors Geometry and Honors Algebra II in sophomore year to be ready for calculus in senior year, with department approval. Students who elect this option are expected to have earned a 90% in Honors Algebra I and to take math all four years.

**Examples of 4 year progressions in math:**

- CP
- Alg. I, Geometry, Alg. II, Trig, Topics I or II
  - Alg. I, Alg. II, Geometry, Trig, Topics I or II
- Honors
- Alg. I, Geometry, Alg. II, Precalculus
  - Alg. I, Alg. II, Geometry, Precalculus
  - Alg. I, Geometry, Alg. II, Trig./Statistics I
  - Geometry, Alg. II, Precalculus, AP Calculus (AB)
  - Geometry, Alg. II, Precalculus, Statistics I and II
  - Alg. I, Geometry/Alg. II, Precalc., AP Calculus (AB)
  - Geometry, Accelerated Alg. II, Accelerated Precalc., AP Calculus (BC)

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**611 ALGEBRA I**

**Level:** Honors  
**Grades:** 9, 10  
**Credit:** 1

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This course presents an in depth exploration and development of basic algebraic concepts, with emphasis on theory, techniques, and problem solving.

Students will understand and use the vocabulary and concepts of algebra as well as prepare and maintain an organized notebook. The student will perform operations with real numbers, radical expressions, algebraic expressions, algebraic fractions, functions and polynomials. Students will use intuitive, inductive, and deductive reasoning to solve problems involving both one and two unknowns. Students will display their mathematical skill through tests, homework, board work, and other learning tasks. The student will learn to effectively use a graphing calculator.

This course is a prerequisite for Honors Geometry.

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**612 ALGEBRA I**

**Level:** CP  
**Grades:** 9, 10  
**Credit:** 1

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This course introduces the basic algebraic concepts normally covered in a first year algebra course with emphasis on procedure and technique.

Students will learn to perform operations with real numbers, radical expressions, algebraic expressions, algebraic fractions and functions. Students will understand and use the vocabulary of algebra, as well as prepare and maintain an organized notebook. Students will develop mastery of solving equations with one unknown and systems of equations with two unknowns. Students will learn to use a graphing calculator effectively in the course of their work. Students will display their mathematical skills through tests, daily assignments, board work, group work, projects and cooperative problem solving.

This course is a prerequisite for CP Geometry.

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### **621 GEOMETRY**

**Level:** Honors

**Grades:** 9, 10, 11

**Credit:** 1

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This course is an in-depth exploration of the concepts of plane and 3-dimensional geometry. The course emphasizes deductive reasoning and rigorous proof which are the foundations of higher mathematics. Students are required to understand and use the vocabulary and concepts of geometry. Students will develop deductive and inductive reasoning skills through the writing of proofs and problem solving. Students will practice solving problems and work on various cooperative and independent exercises, and projects in their day-to-day work. Students will complete daily assignments and maintain an organized notebook.

Prerequisites: 80% in Honors Algebra I or successful Algebra I Exemption Test (if 9th grader)

This course meets one of the prerequisites for Pre-Calculus.

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### **622 GEOMETRY**

**Level:** CP

**Grades:** 10, 11

**Credit:** 1

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This course introduces the basic concepts of plane geometry with the emphasis on vocabulary, problem solving techniques and applications.

Students will understand and use the terminology and concepts of geometry. Students will develop deductive and inductive reasoning skills through the writing of proofs and problem solving. The students will explore the relationships among points, lines, planes, and angles, as well as triangles, polygons, circles, and the area and volume of geometric figures. The students will use hands on and visually enhanced

activities in this course. The students will prepare and maintain an organized notebook.

Prerequisite: Algebra I

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### **630 Accelerated ALGEBRA II (BC)**

**Level:** Honors

**Grades:** 10, 11

**Credit:** 1

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This course includes all the materials of the Algebra II Honors course with the addition of the pre-calculus topics of trigonometric and circular functions.

Students are required to have and use a calculator with graphing capabilities. Students will complete several review mathematics assignments during the summer prior to taking this course. A high degree of motivation and independence will be expected of learners in this class.

Prerequisites: Honors Geometry and permission of the instructor. Students with a strong performance (90%) in Honors Algebra I may petition to take this course concurrently with geometry.

This course is a prerequisite for Accelerated Pre-Calculus (BC).

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### **631 ALGEBRA II**

**Level:** Honors

**Grades:** 10, 11, 12

**Credit:** 1

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This course demands that students have a solid Algebra I foundation.

The students will understand and use vocabulary, notation and properties of algebra. Students will study linear, quadratic, exponential, logarithmic, rational, radical, and higher degree functions and their applications. Other topics studied will be matrices, determinants, complex numbers and conic sections.

Prerequisite: 80% in Honors algebra I or 90% in CP Algebra II and teacher recommendation.

This course is a prerequisite for Precalculus and Statistics I.

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### **632 ALGEBRA II**

**Level:** CP

**Grades:** 10, 11, 12

**Credit:** 1

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Algebra II continues the basic concepts of an Algebra I course with emphasis on procedure, technique, as

well as problem solving skills. The course will cover linear and quadratic functions, systems of equations, probability and statistics, and will introduce complex functions such as trigonometric, polynomial, logarithmic and exponential functions as well as conic sections.

Students will understand and use the vocabulary of algebra. Students will be encouraged to interpret algebraic concepts by using graphing functions and the coordinate plane. Students will use a graphing calculator to perform analysis and calculations. Students will write and solve statistical problems. Students will be involved in various group and project assignments. Students will complete daily homework and maintain an organized notebook.

Prerequisite: Algebra I

This course is a prerequisite for Trigonometry and Math Topics.

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### **640 Accelerated PRECALCULUS (BC)**

**Level:** Honors

**Grade:** 11, 12

**Credit:** 1

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Accelerated PRECALCULUS is a preparatory course for BC Advanced Placement Calculus. This course will cover functions, analytic geometry, trigonometry, linear programming, polynomial functions, exponential and logarithmic functions, polar coordinates, complex numbers, conic sections, sequences and series, limits and continuity and an introduction to differential calculus.

Students are required to have and use a calculator with graphing capabilities. This is a very rigorous course. Students will complete several review mathematics assignments during the summer prior to taking this course. A high degree of motivation and independence is expected of students.

Prerequisites: Honors Geometry and an average of 80% in Accelerated Algebra II (BC) and permission of the instructor.

This course is a prerequisite to BC Calculus.

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### **641 PRECALCULUS**

**Level:** Honors

**Grades:** 11, 12

**Credit:** 1

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PRECALCULUS is a preparatory course for Advanced Placement Calculus. This course will cover functions, analytic geometry, trigonometry, polynomial functions, exponential and logarithmic

functions, complex numbers, polar graphs as well as sequences and series.

Students will understand and use the vocabulary required for calculus. Students will be able to examine numerical data, create a graph from the data, and then interpret both the data and the graph through an appropriate equation. Students will explore all concepts with the use of a graphing calculator. Students will complete daily assignments and maintain an organized notebook.

Prerequisite: 80% in Honors Algebra II

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### **642 TRIGONOMETRY**

**Level:** CP

**Grade:** 12

**Credit:** .5

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This course emphasizes applied trigonometry. Graphing of trigonometric functions and their properties are covered. Basic identities are introduced and used in proofs. Other math applications are discussed as problems and interest dictate.

Students will use right triangle trigonometry as well as the Law of Sines and Law of cosines to solve right, acute and obtuse triangle problems. Emphasis will be on real world applications (mechanical and physical).

Prerequisite: 80% in CP Algebra II

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### **650 AP CALCULUS BC**

**Level:** Advanced Placement

**Grade:** 12

**Credit:** 1

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Advanced Placement Calculus BC is a course in introductory calculus with elementary functions. The basic course covers the topics indicated by the College Board in their annual publication Advanced Placement Course Description Mathematics. Additional topics covered may include various applications. This course is equivalent to two semesters of college calculus.

Students will complete several review mathematics assignments during the summer prior to taking this course. Students will be required to have and use a calculator with graphing capabilities. Students will complete daily homework assignments and maintain an organized notebook. Students will take the AP Calculus BC test prepared by the College Board in May.

Prerequisites: 80% in Accelerated Precalculus (BC), Precalculus teacher and Dept. Head approval. AP class is limited in size to 18.

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**651 AP CALCULUS AB**

**Level:** Advanced Placement  
**Grade:** 12  
**Credit:** 1

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Advanced Placement Calculus AB is a course in introductory calculus with elementary functions. The basic course covers the topics indicated by the College Board in their annual publication Advanced Placement Course Description Mathematics. Additional topics may be covered. This course is equivalent to one semester of college calculus.

Students will complete several review mathematics assignments during the summer prior to taking this course. Students will be required to have and use a calculator with graphing capabilities. Students will complete daily homework assignments and maintain an organized notebook. Students will take the AP Calculus AB test prepared by the College Board in May.

Prerequisites: 80% in Precalculus and Precalculus teacher and Dept. Head Approval. AP class is limited in size to 18.

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**648 MATH TOPICS I**

**Level:** CP  
**Grade:** 12  
**Credit:** .5

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This course promotes the ability to work with quantitative information from a variety of sources. The students will further develop the skills for quantitative reasoning, critical thinking and problem solving.

Topics I will cover topics in such areas as number theory, problem solving, descriptive statistics, probability and other practical applications.

Prerequisite: Algebra II

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**649 MATH TOPICS II**

**Level:** CP  
**Grade:** 12  
**Credit:** .5

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This course has similar objectives to Topics I, course 652. The course will include topics in areas such as logic, game theory, decision theory, networks, symmetry and other practical applications.

Prerequisite: Algebra II. Topics I is NOT a prerequisite for this course. This course will be offered if student enrollment is adequate.

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**660 STATISTICS I**

**Level:** Honors  
**Grade:** 12  
**Credit:** .5

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This course explores the basic statistical concepts and techniques. Using real-life and theoretical data, students will learn how to organize and graph data, compare measures of central tendency, variability, correlation and linear regression. This is a basic preparation for students who will be taking basic statistics in college. A TI-84 calculator is required.

Prerequisites: Honors Algebra II and teacher approval.

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**661 STATISTICS II**

**Level:** Honors  
**Grade:** 12  
**Credit:** .5

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This is part two of the Statistics I course. This semester continues to explore statistics more intensely, using student-based and Internet projects as a primary learning tool. Students will be studying probability, confidence intervals, hypothesis testing, and other related topics.

Prerequisite: Statistics I. This course will be offered if student enrollment is adequate.

**ENGLISH  
DEPARTMENT**

All students must complete 4 credits in English to graduate as stated below:

- Freshmen—English 9, CP or Honors, 1 credit
- Sophomore—English 10, CP or Honors, 1 credit
- Junior—English 11, CP or Honors, 1 credit
- Senior:--
  - CP—World Lit. and Mythology
  - Honors—Brit. Lit., World Lit. and Writing
  - Advanced Placement—AP English

Any other Senior English courses may be taken as electives upon department approval.

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**711 ENGLISH 9**

**Level:** Honors  
**Grade:** 9  
**Credit:** 1

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This two-semester course will focus on the understanding of literature by introducing the students to a variety of genres, including the short story,

drama, and the novel. We will explore the process of writing and different examples of each type of writing. This will also include formulating a thesis statement and outlining. Students will be introduced to the research process using MLA format. The students will also be introduced to public speaking and the necessity of being able to speak in front of both small and large gatherings. These skills are required in order to assure solid communication skills now and in the future. Students will study the rules of grammar, mechanics and usage throughout the year with emphasis placed on sentence and paragraph formation, punctuation, and style. Vocabulary words and/or literary terms will be studied on a weekly basis.

This course is a prerequisite for English 10 and serves as the foundation for future English courses. Students will be leveled according to skill mastery. Placement into a particular section is based on a student's performance on the Bishop Brady Placement Test and Writing Sample and recommendations from middle school / junior high. Students will complete assigned summer reading prior to the start of this course.

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### **712 ENGLISH 9**

**Level:** CP  
**Grade:** 9  
**Credit:** 1

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This two-semester course has three specific goals: (1) introduce and review the basic rules of grammar, usage, and mechanics; (2) develop fundamental writing skills; (3) understand specific literary techniques and devices through an introduction to several literary genres including the short story, the novel, and drama.

Students will focus on the parts of speech, parts and types of sentences, phrases, punctuation, sentence and paragraph development, types of paragraphs, and note taking and outlining skills. Students will be introduced to the five-paragraph essay and to the research process using MLA format. They will be expected to use correct citation format when citing evidence or using quotes and paraphrased material. Students will read a combination of short stories, plays, and novels to improve their comprehension and increase their understanding of literary techniques. Vocabulary words and/or literary terms will be studied on a weekly basis.

English 9 serves as the foundation for future English courses. Students will be leveled according to skill mastery. The Bishop Brady Placement Test and Writing Sample and recommendations from middle school / junior high will help place students into a particular section. Students will complete assigned summer reading prior to the start of this course.

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### **721 ENGLISH 10**

**Level:** Honors  
**Grade:** 10  
**Credit:** 1

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This two-semester course offers an in-depth examination of various genres of literature. One Shakespearean play will be studied.

Students will read poetry, short stories, novels, and plays to sharpen their skills of comprehension and analysis and to deepen their understanding of the structural conventions of those genres. Students will be required to read frequent assignments with a high level of independent comprehension. Through frequent writing assignments, students will strengthen their analytical and creative writing skills. Students will also review MLA form and practice their research skills with short research projects. They will master literary terminology and build their vocabulary. Throughout this course, students will improve and practice their mastery of basic punctuation, grammar, usage, and style. Students will work to strengthen their speaking and listening skills as well, participating in formal and informal discussions and group and individual reports.

The prerequisites for this class include a grade of 80% or better in Honor English 9 or a grade of 90% or better in CP English 9. Recommendation from the current English teacher is required and can override the grade requirement with approval from the department chairperson. Students will complete assigned summer reading prior to the start of this course.

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### **722 ENGLISH 10**

**Level:** CP  
**Grade:** 10  
**Credit:** 1

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This two-semester course offers an in-depth examination of a wide variety of literature. One Shakespearean play will also be studied.

Students will read poetry, short stories, novels, and dramatic literature in an effort not only to improve their ability to comprehend texts of increasing complexity but also to improve their vocabulary and ability to analyze and respond thoughtfully. They will interpret works and express their views both orally and in writing. Through frequent narrative and expository writing assignments, students will develop their ability to effectively express their ideas in writing. They will continue to focus on producing work that is both structurally and grammatically correct. Students will also review MLA form, as they write about their texts and other literary topics. They

will develop an understanding of necessary literary terms and appropriate vocabulary. Throughout this course students will also work to strengthen and apply their knowledge and understanding of the basic rules of punctuation, grammar and usage.

The prerequisites for this class include successful completion of English 9 and current English teacher recommendation for placement in this course. Students will complete assigned summer reading prior to beginning this course.

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**731 ENGLISH 11  
AMERICAN LITERATURE**

**Level:** Honors  
**Grade:** 11  
**Credit:** 1

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This course offers an in-depth examination of American Literature from Native American poems and songs and colonial writings to 20th century works.

The course also offers intense application of close-reading and analytical writing techniques. One Shakespearean tragedy will also be studied.

During this course, students will meet the following requirements and expectations: Students will master SAT vocabulary, as well as other vocabulary and concepts appropriate for this level of study. Students will practice a variety of writing techniques and will extend their reading skills by practicing close-reading techniques. Students will be expected to read outside of class from a list of works suggested for AP English classes. Students will be required to use MLA research techniques and to apply these to frequent research-based writings. They will also be required to complete a major research project, using the full extent of technology available in MLA format. Students will be expected to utilize literary criticism in the analysis of writers and their works. Students will prepare and present oral presentations involving both creative and analytical projects. Students will participate in frequent class discussions, based on both reading and written assignments. Throughout this course students will work to strengthen and apply their knowledge and understanding of the rules of grammar usage and mechanics to their written and spoken work.

The prerequisites for this class include a grade of 80% or better in Honors English 10 or a grade of 90% or better in CP English 10. Recommendation from the current English teacher is required and can override the grade requirement with approval from the department chairperson. Students will complete assigned summer reading prior to starting this course.

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**733 ENGLISH 11  
AMERICAN STUDIES**

**Level:** CP  
**Grade:** 11  
**Credit:** 1

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This two-semester course offers an in-depth examination of American literature with some emphasis on historical context. Beginning with Native American voices, students will enjoy a close reading of major American writers through the late 20th century. One Shakespearean tragedy will also be studied.

Students will be expected to participate in frequent discussions and activities intended to further develop their comprehension and analytical skills. They will extend their writing skills by completing written assignments in each segment of the course. These activities will address both literary and historical topics. Students will also continue to sharpen the grammar and structure of their written work, as well as expand their vocabulary in preparation for the SAT. They will also be required to complete a major research project, using the full extent of technology available in MLA format. Throughout this course students will work to strengthen and apply their knowledge and understanding of the rules of grammar, usage, and mechanics to their written and spoken work.

The prerequisites for this class include successful completion of English 10 CP and current English teacher recommendation. Students will complete assigned summer reading prior to starting this course.

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**751 AP ENGLISH**

**Level:** Advanced Placement  
**Grade:** 12  
**Credit:** 1

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This is a two-semester course in reading and writing at an advanced level. It expects students to read closely some demanding works of prose fiction, classical and modern drama, and both lyric and dramatic poetry and to write graceful and well-structured analysis and arguments about them.

Students will be required to read several works during the summer and respond in writing to some of them prior to the beginning of classes. Students will master appropriate vocabulary and literary terms. Students will develop the ability to interpret a literary work. Students will extend their writing skills by recognizing and using the four kinds of literary evidence: direct quotes, paraphrases, summarized actions and events, and opinions of competent critics. Students will sharpen skills in close reading by perceiving patterns of language--e.g. motifs, symbol,

image, and metaphor--the effect of tone, and contributions to poetry of sound and metrical devices. Students will understand the dramatic and/or cultural factors inherent in the works of Homer, Virgil, Dante, Milton and Shakespeare. Students will develop a usable personal technique for writing literary essays--based generally on the conventional processes of pre-writing, drafting, revising, and polishing. Students will sharpen their skills in conventional grammatical usage, punctuation, and sentence structure. Students will make both prepared and impromptu oral presentations to the class.

The prerequisites for this class include a grade of 88% or better in Honors American Lit., completion of literary analysis pre-test, English teacher recommendation for AP placement, Department Chair approval, and completion of assigned summer reading and papers by due dates. Students will take the AP test prepared by the College Board in May. Enrollment in this course may be limited.

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**761 ENGLISH 12**  
**BRITISH LITERATURE/  
WORLD LIT. & WRITING**

**Level:** Honors  
**Grade:** 12 or Dept. Approval  
**Credit:** 1

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This two-semester course includes an in-depth study of several major works of British literature, as well as several works by authors representing a variety of cultures, time periods, and themes.

During the course, students will read discuss and analyze such titles as Beowulf, Hamlet, Frankenstein, Rime of the Ancient Mariner, Demian, Dante's Inferno, Faust, The Aeneid, The Odyssey, as well as short stories, poems, and essays.

Students will be required to practice close reading techniques to critically analyze the literature they read. Students will consider and discuss each author's style, examining such elements as diction, syntax, imagery, and symbolism. Students will practice a variety of writing techniques to improve those skills they will need to be successful in writing at the college level. Students will be required to complete outside reading and research. Students will master and use SAT and other appropriate vocabulary and literary terms. Students will study and use the more complex rules of grammar usage and mechanics to strengthen their communication skills. Students will be required to research and write literary papers using MLA style. Students will also be required to write research-based, thesis papers using MLA format. Students will make both prepared and impromptu oral presentations to the class.

The prerequisites for this class include a grade of 80% or better in Honors American Lit.; 90% or better in CP American Studies. Recommendation from the current English teacher is required and can override the grade requirement with approval from the department chairperson. Students will complete assigned summer reading prior to the start of this course.

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**770 ENGLISH 12**  
**WORLD LITERATURE**  
**MYTHS/SHORT STORY & NOVEL**

**Level:** CP  
**Grades:** 12 or Dept. Approval  
**Credit:** 1

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This two-semester course includes an overview of World Literature, including short stories, poems, and novels. A major focus of this course is the study of the hero and the hero's journey.

During the first semester, students will read, discuss, and interpret a range of literature including excerpts and abridged works representing various world cultures, mythologies, ideas, and values. During the second semester, students will read and discuss longer works to explore human reactions, relationships, values, and goals to reach a better understanding of ourselves and the society in which we live. Throughout the course, students will focus on developing and improving their analytical and expository writing skills and developing their written voice. Students will use MLA format when appropriate.

Students will define and use SAT and other appropriate vocabulary and literary terms. Students will continue the study of grammar, usage, and mechanics to strengthen their communication skills. Students will develop increased skill and assurance in using the conventions of standard written English as they write 1-4 page essays. Students will be required to prepare and present oral reports and contribute to class discussions.

The prerequisites include successful completion of CP English 11 American Literature and recommendation from the current English teacher for placement in this CP course. Students must complete their assigned summer reading prior to beginning the course.

**Note:**  
**SENIOR ENGLISH ELECTIVES**  
*The following are offered for elective credit only, not for English credit.*  
*Adequate pre-registration numbers are necessary to run any elective course*



about historical events in a critical manner, while understanding how those events have impacted the world today.

World History is a mandatory course and fulfills one credit of the Social Studies requirement for graduation.

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**831 AP U.S. HISTORY**

**Level:** Advanced Placement

**Grades:** 11, 12

**Credit:** 1

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This course treats selected topics from the colonial period to the modern age in greater detail and depth than is possible in a U.S. History survey course. Topics include colonization, the Revolution, the Civil War, Reconstruction, the Industrial Revolution, twentieth century foreign policy (including both World Wars), the Progressive Movement, the New Deal and post WW2 American foreign and domestic policy.

Students will evaluate, analyze and trace the importance of significant historical events in American history. Emphasis will be placed on writing analytically in preparation for the AP exam. Students will be required to read and interpret primary sources and historical documents.

A prerequisite for this course is an 87% in Honors World History, B in Honors English 10, confirmation of Honors English 10 teacher that writing skills are acceptable for the demands of this course and Dept. Chair approval. Students will take the AP exam prepared by the College Board given in May. This course fulfills the U.S. History requirement for graduation.

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**833 US HISTORY**

**Level:** CP

**Grade:** 11

**Credit:** 1

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College Prep United States History is designed to cover the history of the US from the Age of Exploration and Colonization through the present. Topics to be pursued will include Colonization, the Revolution, Sectional Conflict and the Civil War, the Antebellum reform movement, the rise of a national economy, the development of twentieth century foreign policy, World War I, the Depression and New Deal, World War II, and the Cold War. Both primary and secondary sources will be employed. Students will build upon the historical skills developed in World History and writing skills will be enhanced throughout the course. This course fulfills the U.S.

History requirement for graduation.

This course fulfills the U.S. History requirement for graduation.

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**834 U.S. HISTORY**

**Level:** Honors

**Grade:** 11, 12

**Credit:** 1

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This course will cover political, economic and cultural themes in American history from the Age of Exploration and Colonization through the present. topics to be pursued will include Colonization, the Revolution, Sectional Conflict and Civil War, Antebellum Reform Movement, the rise of a National Economy, the Twentieth Century foreign Policy (including both World Wars) and Reform (including Progressivism and the New Deal). Both major primary and secondary sources will be employed.

Students will build upon historical skills developed in the World History courses, such as analysis of sources, construction of historical arguments, historical research and critical thinking and writing. Some emphasis will be placed on analyzing conflicting historical interpretations. In studying Reconstruction, students will be asked to draw a parallel between Reconstruction (1865-1877) and America's second reconstruction, the 1960's Rights Movement.

The prerequisite for this class is a grade of 82% in Honors English 10 and Honors World History, or 90% or better in CP English 10 and CP World History. This course fulfills the U.S. History requirement for graduation.

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**835 CIVICS**

**Level:** CP

**Grade:** 12

**Credit:** .5

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Civic education is essential for active participation by informed citizens. This course will emphasize a study of government and individual rights and responsibilities. Civic understanding increases as students develop the skills to make informed decisions, to resolve conflicts peacefully, to articulate and defend positions, and to engage in the civic and political life of their communities. The purpose of the course is to help Students better understand how the government works, and how it impacts their lives. Students will examine the following topics in government: growth of democracy, federalism, separation of powers, checks and balances, civil liberties, civil rights, civic participation, comparative government, political processes, public policy, free

enterprise, and cultural pluralism. This class is required for all seniors.

**SOCIAL STUDIES  
ELECTIVES**

*Adequate pre-registration numbers  
are necessary to run any elective course*

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**822 CULTURAL GEOGRAPHY**

**Level:** CP

**Grade:** 11,12

**Credit:** .5

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This semester long course will emphasize the development within current cultures in our ever changing world. Geographical location, the people, and cultures of various locations of the world will be explored.

Students will be responsible for locating and identifying many common and unusual locations as well as their specific cultural traits. These are some of the geographical locations which will be observed: The Amazon, China, India, Antarctica, The Arctic, Australian Bush, Europe and the ever changing Balkans (these areas are specific although other areas are not limited).

The cultural, political and geographical identifications of certain locations will be discussed with regard to current trends in a global perspective.

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**840 HISTORY OF THE COLD WAR**

**Level:** Honors

**Grade:** 12

**Credit:** .5

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This course will introduce students to the modern world. It will look at Fascism, WWII, Communism and the Cold War. Also surveyed will be the emergence of Third World nations, life in the 50's, Civil rights, Vietnam, Nixon, Global terrorism, the demise of the Soviet Union, Civil War in Bosnia among other issues. The topics will explore these areas with regard to demographics, global economics and the emergence of a multicultural world.

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**843 THE RISE AND FALL  
OF THE THIRD REICH**

**Level:** Honors

**Grade:** 12

**Credit:** .5

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In this one semester senior elective, students will study one of the most significant events of the

twentieth century, the rise to power of Adolph Hitler. This course will examine the events leading to the Second World War, Hitler's assumption of power, economic dysfunction in Germany prior to the war, the building of the German war machine, Hitler's plans for the "final solution", the extensive use of slave labor camps and the eventual destruction of the German nation.

Students will read, discuss, and interpret materials detailing Hitler's meteoric rise to power. Students will try to identify the causes of the free world's failure to respond to the German threat. Students will be required to complete several research papers (MLA form) dealing with the period being studied. Documentary films will be used.

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**852 PSYCHOLOGY**

**Level:** CP

**Grades:** 11, 12

**Credit:** .5

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Psychology is the study of individual human behavior. This semester long course will introduce students to an overview of the information necessary to assess their interest in further study of human behavior. It will also enhance the students' awareness of his or her own personality and behavior, as well as the impact of such disorders as depression and attention deficit hyperactive disorder.

Specifically, topics to be discussed include the history of psychology, the personalities which shape the discipline, abnormal psychology, overview of recent research, as well as an opportunity to study specific topics in-depth through a project of the students' choosing. This might include as in-depth interview with a person with mental illness, a mental health professional, or original research, among other options.

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**873 ECONOMICS**

**Level:** CP

**Grades:** 11, 12

**Credit:** .5

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This one semester course provides a basic introduction to the free enterprise system and how it affects our lives as consumers. Students will study how producers and consumers make choices. Students will discuss, study and interpret the free market system. Students will understand the concepts and functioning of supply and demand, marketing, banking, and inflation. Students will learn how to create and read graphs, understand income tax forms, and participate in a mock stock market. Students will also be required to learn economic vocabulary.

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**836 CONTEMPORARY ISSUES**

**Level:** CP  
**Grade:** 11, 12  
**Credit:** .5

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Contemporary Issues is a course designed to focus on the Current Events of today's World. The textbook for the course will be Newsweek magazine. Each student will have a subscription to Newsweek for the length of the course. Topics to be discussed each week will be determined by the national, and international sections of Newsweek as well as other topics of interest identified as important by the class. Each student will be expected to read Newsweek on a weekly basis and build up a knowledge of and a vocabulary of the current events during the course. Each week the students will take a quiz that is developed by Newsweek magazine for that week's topics.

**SCIENCE  
DEPARTMENT**

All students must complete 3 credits in Science to graduate.

One full credit must be Biology (Honors or CP)

One full credit must be Chemistry (Honors or CP)

- Freshmen—Biology, CP or Honors
- Sophomore—Chemistry Honors (If in Honors, Algebra II) and/or Science Electives
- Junior—Chemistry either Honors or CP and/or Science Electives
- Junior/Senior—Physics highly suggested Honors, Conceptual Physics suggested CP and/or Science Electives

Other science courses can be taken to fulfill the required credit and/or as electives.

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**921 BIOLOGY**

**Level:** Honors  
**Grades:** 9, 10, 11  
**Credit:** 1

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Biology is a life science. This class will explore many different life forms in our world guided by the biological themes of unity and diversity among all living things.

Topics covered include, but are not limited to, the scientific method, the chemical basis of life, characteristics of living things, taxonomy, cellular structures and processes, photosynthesis and respiration, DNA and genetics, evolution and the history of living things, microbiology, ecology, and human body systems.

Students will be expected to complete daily reading assignments from the textbook. Study skills and time management are stressed. Classroom activities emphasize cooperative learning, critical thinking, and meaningful note taking.

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**922 BIOLOGY**

**Level:** CP  
**Grades:** 9, 10, 11  
**Credit:** 1

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Biology is a life science. This course covers the study of life from its chemical basis to the structure and function of the organism. Areas of study include Botany, Cell Structure and function, Mitosis/Meiosis, DNA, Genetics, Ecology, Evolution, and Human Body Systems.

Students will understand and use scientific vocabulary. Students will develop lab skills including observation, analysis and conclusion. Students will learn proper use of the microscope and other lab equipment. Students will be required to do outside independent reading and research. Students will discuss scientific topics and use critical thinking skills.

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**931 CHEMISTRY**

**Level:** Honors  
**Grades:** 10, 11, 12  
**Credit:** 1

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Chemistry is a physical science. This course is an introduction to the field of inorganic chemistry. This course will outline the nature of chemistry, atomic structure, electron configurations of the atom, the periodic table, chemical formulas and bonding, chemical reactions and equations, the mole, stoichiometry and the math of chemical equations, gases and the ideal gas law, solutions, chemical equilibrium, solubility and precipitation, acids bases and salts, reactions of acids and bases, and oxidation and reduction.

Students will improve their analytical abilities by mastering laboratory technique. Students will develop vocabulary skills appropriate to the field of chemistry. Students will demonstrate problem solving abilities through practical lab applications and unit testing.

A prerequisite to this course is completion or current enrollment in Honors Algebra II.

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**932 CHEMISTRY**

**Level:** CP

**Grades:** 11, 12

**Credit:** 1

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Chemistry is a physical science. This course is an introduction to the field of chemistry for non-science majors.

Topic covered will include: definitions of chemistry, atoms and atomic structure, chemical bonding, nuclear chemistry, chemical reactions, acid base chemistry, organic compounds, the chemistry of drugs, food production, and material and energy resources.

Students will master safe laboratory techniques and answer questions to show understanding of the labs. Students will develop vocabulary skills appropriate to the field of chemistry. Students will be evaluated on lab work, tests, and homework.

A prerequisite to this course is completion or current enrollment in Algebra II.

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**941 PHYSICS**

**Level:** Honors

**Grades:** 11, 12

**Credit:** 1

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Physics is a physical science. This course is an introduction to the field of physics.

Topics covered include: kinematics, forces, Newtons, Laws of motion, momentum, work, power, energy, heat, waves, light, and electricity.

Students will improve their analytical ability by mastering laboratory technique. Students will develop vocabulary skills appropriate to the field of physics. Students will demonstrate problem-solving abilities through practical lab applications and unit testing.

The prerequisites for this course are completion of Algebra II, Honors with a grade of 80% or higher or department chair approval. Students must be enrolled in or have completed Pre-calculus or Trigonometry.

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**942 & 943 ENVIRONMENTAL SCIENCE  
I (The Biosphere)**

**II (Human Ecology)**

**Level:** CP

**Grades:** 10, 11, 12

**Credit:** .5 or 1

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Environmental Science is a life science course. Students will be challenged to develop a knowledge base and demonstrate a mastery of significant

environmental issues. Students will investigate local and global events and conditions that impact our planet. Students will be given the opportunity to enhance their appreciation of Earth's resources and assume or strengthen a lifelong commitment to the care for our fragile planet.

Environmental Science will study the relationships between humans, human societies, and their natural and created environments.

Topics covered in Environmental Science I (The Biosphere) will include: Ecosystem components and the energy flow within ecosystems, evolution and the development of biodiversity, climate effects on terrestrial and aquatic biodiversity, community ecological structure and the effects on sustainability, and the population dynamics within an ecosystem.

Topics covered in Environmental Science II (Human Ecology) will include a survey of environmental problems, their causes, effects, and solutions. Focus will be on how the actions of humans affect other organisms and the environment they live in. Problems such as poverty, population growth, and globalization will be examined as root causes of many other problems. Further problems examined include pesticides, global warming, waste reduction, alternative energy sources, deforestation, and the loss of biodiversity.

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**944 GEOLOGY**

**Level:** CP

**Grades:** 10, 11, 12

**Credit:** .5

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Geology is a physical science. In this course, students will augment their established scientific knowledge base with current geologic information and then apply their mastery of these concepts to a study of the processes that shape the planet.

It is important that students understand that during the semester they will be responsible for many "hands-on projects" (maps and models for example). It is likewise important that students understand that they will be responsible for reading scientific text as well as understanding the facts and concepts.

Topics covered include: The formation of our solar system and Earth, continental drift, volcanoes, earthquakes, rocks, minerals, erosion and weathering processes.

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**945 ASTRONOMY**

**Level:** CP  
**Grades:** 10, 11, 12  
**Credit:** .5

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Astronomy is a physical science. This course will study the Universe, its components, and the interaction between these components. Students will master a vocabulary of astronomical terms.

Topics covered will include: The formation of the Universe, the sky, radio astronomy, the planets, our Sun, the moon, meteors, stars, comets, asteroids, and other celestial bodies.

The course will include lectures, movies, and hands on projects. Students assessment will be via quizzes, tests, and projects.

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**951 ANATOMY AND  
PHYSIOLOGY**

**Level:** Honors  
**Grade:** 11, 12  
**Credit:** 1

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Anatomy and Physiology is a life science. This course studies the human body, its parts and how its systems interact to maintain a state of homeostasis.

Students will master an intensive vocabulary of anatomical terms. Students will diagram and label body parts and will understand how structure correlates to function.

Honors Biology and Honors Chemistry are prerequisites for this course, and department chair approval.

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**952 & 953 CONCEPTUAL  
PHYSICS I and II**

**Level:** CP  
**Grades:** 10, 11, 12  
**Credit:** .5 or 1

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Conceptual Physics is a physical science. This course is an introduction to the field of physics. In Conceptual Physics I the concepts of mechanics in everyday life will be studied. In Conceptual Physics II the concepts of, electricity, thermodynamics, optics, magnetism, and wave motion will be studied.

The students will develop a practical physics vocabulary. The students will learn basic physical concepts through demonstrations and labs. The students will demonstrate their mastery of the material

through classroom testing, outlines, homework and laboratory exercises.

The prerequisite for this course is completion of Biology.

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**961 AP CHEMISTRY**

**Level:** Advanced Placement  
**Grade:** 11, 12  
**Credit:** 1

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AP Chemistry is a physical science. This course is the equivalent of a general chemistry course taken during the first college year.

Topics covered will be structures of matter, states of matter, reactions, descriptive chemistry, and laboratory technique.

Students will demonstrate problem-solving abilities through practical lab applications and unit testing. Students will have required summer work prior to the class. Students are expected to spend at least five hours a week in unsupervised study, in addition to class work assignments, towards completion of the AP exam.

Prerequisites to the course include completion of Honors Chemistry with a minimum grade of 85% and department chair approval, and completion of a minimum of Honors Algebra II. Students will take the AP test prepared by the College Board in May.

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**971 AP BIOLOGY**

**Level:** Advanced Placement  
**Grade:** 11, 12  
**Credit:** 1

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AP Biology is a life science. This course is the equivalent of a general biology course taken during the first college year.

Topics covered will be molecules and cells; heredity and evolution; organisms and populations, and ecology.

Students will have required summer work prior to the class. Tests, lab reports, and papers will be used to evaluate student's progress. Students are expected to spend at least 5 hours a week in unsupervised study, in addition to class work assignments, towards preparation for the AP exam.

Prerequisites to the course include completion of Honors Biology and Honors Chemistry with a minimum grade of 85% and department chair approval. Students will take the AP test prepared by the College Board in May.

## ***ADDITIONS***

- **AP Request Form**
- **Fine Arts/PE Option Explanation**
- **Fine Arts Credit Application Form**
- **7th Course Request Form**
- **Theology Service Credits**

***CURRICULUM 2009-2010***

***REQUEST FOR AP COURSE 2009 - 2010***

I _____ will be entering grade ____ in the 2009/10 school year and I am requesting to enroll in AP _____. I have read the requirements below and I understand the commitments related to this course.

Student Signature	Date
Parent Signature	Date
Recommending Teacher	Date
Dept. Head	Date

AP courses make substantial academic demands on students. Students are required to do considerable outside reading and other assignments and to demonstrate the analytical skills and writing abilities expected of first-year students in a strong college program. Some AP courses require summer reading for course preparation. College credit and/or advanced placement in college courses may be received upon successful completion of the National AP test. Students must take the AP exams. It is not uncommon for students to earn a grade at least a letter grade lower than the student may have earned in the past.

**Course Expectations**

**AP English:**

- Min. average of 88% in previous year's Honors course
- Honors English 11 teacher recommendation and Dept. Head approval
- Literary analysis pretest
- Completion of all summer reading and assignments on due dates
- Letter of application indicating strong commitment to meet rigorous requirements of this course

**AP Calculus: (AB or BC)**

- Min. average of 80% in the appropriate Pre-Calculus course
- Pre-Calculus teacher's recommendation and approval of Dept. Head
- Completion of summer assignments on due dates

**AP U.S. History**

- Min. average of 87% in Honors World History.
- Approval of previous year's history teacher and approval of Dept. Head
- B average in Honors English 10 and confirmation that writing skills are acceptable for the demands of this course

**AP Chemistry**

- Min. average of 85% in Honors Chemistry
- Completion of Honors Algebra II (minimum math requirement)
- Recommendation of Honors Chemistry teacher and approval of Dept. Head

**AP French/AP Spanish**

- Successful completion of French 4/Spanish 4 and Department Approval

**AP Biology**

- Min. average of 85% in Honors Biology
- Min. average of 85% in Honors Chemistry
- Completion of summer assignments on due dates & department Chair approval
- Recommendation of Honors Biology teacher and approval of Dept. Head

**FINE ARTS OPTIONS**

**Option for outside of school**

Students who are active in instruction outside the school day in areas such as voice, musical instruments or dance may receive up to 1/2 *Fine Arts* credit. The combination of two years would qualify for 1/2 of the full credit needed for *Fine Arts*. To qualify would involve summary documentation of each year (mid-year and end of year) from the private instructor and the student could be asked to provide a presentation of the skill or product as part of the evaluation process. A Fine Arts Option Application is available in the ADDITIONS section and in Guidance. These applications must be passed in with the Course Selection Sheet in the Spring for the following year's credit.

**In school option for Drama Club**

Students who choose to participate in drama may receive up to 1/2 of *Fine Arts* credit. To qualify would involve being a member of the drama club and working on all productions during the school year in some capacity. Documentation and evaluation would be done by the advisor of the drama group. The combination of two years would qualify for 1/2 of the full credit needed for *Fine Arts*.

**PHYSICAL EDUCATION OPTION**

Students who are members of two NHIAA sponsored Bishop Brady sports teams in one year and do so for 2 years automatically earn 1/2 credit of PE towards their graduation requirement of one full credit. (The other .50 credit of PE must be course 011, PE/Health.) To qualify for the PE Option, the following must be met:

1. The student must be a member of two Bishop Brady teams per year that have full NHIAA sports schedules.
2. The student must be a member in good standing of the teams during the complete season, attend regular practices, games, and follow all rules and regulations according to the Athletic Code.

Incoming Freshmen may not use sports from previous teams or towns as part of the accumulation to 1/2 credit. As soon as the second year of the PE Option has been completed, the .50 credit is applied to the student's record thus fulfilling the full graduation PE requirement.

**BISHOP BRADY HIGH SCHOOL**  
**FINE ARTS CREDIT APPLICATION 2009-2010**  
(Must be submitted with Course Selection Sheet in Spring)

The following student, _____, has requested receiving a 1/4 credit for *Fine Arts* for the school year 2009/2010. (This quarter credit can be combined with another 1/4 credit in another year to accumulate to 1/2 of the *Fine Arts* requirement.) To qualify for this year's 1/4 credit, this student must participate in one of the following requirements:

1. The student will be enrolled in a class receiving instruction in voice, art, drama, dance or a musical instrument. This class work will take place and be taught by private instructors outside the Bishop Brady Community.
2. The student is a member of the drama club and participates in all productions presented during the school year.

The student will be asked to provide a presentation of the skills or product as part of the evaluation process.

The student will be receiving instruction from: (name, address, phone number and business name of the instructional facility.)

_____  
_____  
_____  
_____

The above named instructor will be expected to account for all hours and arts related activities of the student. A mid-year accounting, in writing by the instructor, will be expected by January 31 and another accounting will be expected by June 1.

The student is reminded that this 1/4 credit will be used to accumulate to 1/2 credit. Only when the 1/2 credit is reached, can it be used towards fulfilling their 1 full *Fine Arts* credit. The student can only receive up to 1/2 credit in this way. The remainder of the *Fine Arts* 1/2 credit must be completed by attending a regular course at Bishop Brady. The Curriculum Committee at Bishop Brady has the final decision on accepting this work as credit. Arts related courses taken before Freshman year cannot be used.

_____  
Signature of Parent

_____  
Date

_____  
Signature of Student

_____  
Date

**REQUEST FOR 7TH COURSE 2009 - 2010**

I _____, will be entering grade _____ in the 2009/2010 school year and I am requesting to enroll in a seventh course. My current grade point average is _____

The course I am selecting is _____

My reasons for requesting a 7th course are:

The above named student is requesting to take a 7th course. If this student's overall average drops significantly, it may be recommended by the Curriculum Committee that this student withdraws from this 7th course.

	Approved	Not Approved
_____ Advisor	_____	_____
_____ Parent	_____	_____
Signatures of current teachers		
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**THEOLOGY SERVICE CREDITS**

All students are expected to fulfill a 70 hour service commitment. This is a four year requirement whereby students will take the message of Christ into their school and local community.

**Freshmen and Sophomores** commit time to their school community in various ways such as tutoring, hosting tours for visitors and school beautification.

**Juniors and Seniors** work independently outside the school. Their projects are approved by the Theology department and each student chooses their work site in order to complete their hours.

**All Students** will be required to complete various assignments, essays, and evaluations displayed collectively in a community service portfolio. This requirement will hopefully guide them through the gospel message that all are called to serve.

**Completing Service Hours.** Service hours must be done outside of the regular school day. Students must complete their hours before or after school, on weekends, or during school calendar scheduled holidays. No time off from school will be granted to fulfill service hours.

**FRESHMEN AND SOPHOMORE SERVICE**

IN HOUSE SERVICE:

- |                       |                     |                |
|-----------------------|---------------------|----------------|
| School Functions      | School Meetings     | Teacher's Aide |
| Open Houses           | Visitation Hosting  | Office Aid     |
| Setups for Activities | Setups for Services | Tutoring       |

FRESHMEN HOURS  
10 Hours per Year

SOPHOMORE HOURS  
15 Hours per Year

**JUNIORS AND SENIOR SERVICE**

COMMUNITY ORIENTED SERVICE OUTSIDE OF SCHOOL:

- |               |                    |                                              |
|---------------|--------------------|----------------------------------------------|
| Red Cross     | Hospice            | Special Olympics                             |
| Nursing Homes | Coaching           | Peer Outreach                                |
| Soup Kitchens | St. Vincent DePaul | Student Aide/Teacher<br>Asst. (not at Brady) |

(These are Just Suggestions)

JUNIORS  
20 Hours per Year

SENIORS  
25 Hours per Year

GRADES FOR FRESHMEN, SOPHOMORES AND JUNIORS:  
Will be averaged into the Fourth Quarter Theology Grade  
Full Theology credit will only be given once service hours  
and the portfolios are completed.