

Bishop Walsh School

Cumberland Maryland

Course Catalog

Edited November 1, 2011

High School Level

Course Numbers

000	Religion
100	English
200	Social Studies
300	Science
400	Foreign Language
500	Math
600	Computer Science/Business
700	Fine Arts
800	Music
900	Physical Education

INTRODUCTION

This publication is offered to acquaint students and parents at the middle and high levels with the academic offerings at Bishop Walsh School. Students and parents are urged to read the material carefully in order to make intelligent, realistic, informed decisions. Once the course selection sheet is completed and the parent's signature is affixed, the student's schedule will be completed and it will be difficult to make any changes. The privilege of selecting courses should not be taken lightly or for granted.

The philosophy of Bishop Walsh School includes decision-making by students as one of its goals. In turn, the student has a responsibility to live with the decision he/she makes. This process should not be a capricious one. It is important that course selection be made with a responsible amount of input from those qualified to assist. Each of the following persons plays an integral role in course selection:

The student must evaluate honestly personal abilities and potential, aptitudes and achievements, needs and interests.

Parents should engage the student in a frank discussion on the previous considerations in order to reach a collective decision that will best serve the child's educational welfare.

Teachers, past and present, are good sources of advice since they have witnessed firsthand the scholastic performance of the student. Teachers of courses being considered know the academic demands of these courses and the level of performance expected of the student.

The Guidance Counselor is well-informed about the general college and career requirements necessary to attain specific goals.

THE PROGRAM OF STUDIES

An examination of this guide will reveal a variety of courses which, when studied in the approved sequence, will introduce the student to the foundations of Western Culture. This liberal arts program of studies best prepares the student to think critically, to grow both intellectually and spiritually, and to pursue particular interests.

The Middle School program centers on a traditional schedule and prepares the student for the High School program.

In high school, both the freshman and sophomore year are prescribed in order to provide a firm foundation in the sciences, the humanities, religion, and a variety of skill areas. Some degree of individualization of the academic program is made to accommodate differences in ability levels. The firm foundation that is built during the first two years of study at the high school level gives the student the basis for making choices about his/her academic program in the following years.

The student, with guidance from home and school, can elect a number of courses in addition to the required courses in the junior and senior years. This choice allows the student to pursue a program of studies that best addresses his/her abilities, interests, and future plans. The progression from a highly prescribed program of study to a program which allows for individual interests and natural curiosity gradually introduces the student to the need for planning, accurate self assessment, and responsibility.

Withdrawal from a scheduled course is allowed only in rare cases. If a student withdraws from a course before the first three weeks, the course is not recorded on the permanent record. A later withdrawal may result in a failing grade in the course which will appear on the permanent record.

ACADEMIC REQUIREMENTS

All **Freshmen** are assigned

ONE EACH FROM **ONE ELECTIVE**

Religion
English
Mathematics
Science
Social Studies
Foreign Language

All **Sophomores** are assigned

ONE EACH FROM **ONE ELECTIVE**

Religion
English
Mathematics
Science
Social Studies
Foreign Language

Sophomores will choose from Physical Education/Health, Computers and a Fine Art.

All **Juniors** are assigned

ONE EACH FROM **ONE FROM AMONG**

Religion
English
Foreign Language
Mathematics
Social Studies
Science

Available electives

All **Seniors** must select courses that total six credits or seven classes.

ONE EACH FROM **FOUR FROM AMONG**

Religion
English
Mathematics

Computers
English
Fine Arts
Foreign Language
Science
Social Studies
Physical Education

GRADUATION REQUIREMENTS

In accordance with the requirements established by the State of Maryland Department of Education and those determined by the Administration of Bishop Walsh School, a diploma is awarded to Bishop Walsh School students for the successful completion of the prescribed course of studies. To obtain a Bishop Walsh diploma, a student must acquire a minimum of 24 credits. Determination of a unit of credit is based on the satisfactory completion of course work and the number of hours of instruction established by the school administration. The following time requirement shall be used in determining a unit of credit: 1 credit is equal to 120 clock hours of instruction. ***Bishop Walsh does not allow for early graduation.*** We require four years of course work at the High School level.

Minimum requirements are as follows:

4.00	credits	Religion (one for each year in attendance at BW)	Residency Requirement
4.00	credits	English	Residency Requirement
3.00	credits	Social Studies (Civilizations of the World, American Government, US History)	
4.00	credits	Mathematics (2 in Algebra, 1 Geometry, Pre-Calculus or Statistics)	Beginning with Class of 2011
5.00	credits	Mathematics (2 in Algebra, 1 Geometry, Pre-Calculus, Calculus or Statistics)	– Student begins Math sequence in the 8 th grade. Beginning with Class of 2011
3.00	credits	Science (lab-based Science courses)	
3.00	credits	same Foreign Language	Beginning with Class of 2011
0.50	credits	Computer Education	

Graduation Requirements Continued:

0.50	credits	Art	
0.50	credits	Music	
1.00	credits	Physical Education/Health	
2.00	credits	Electives	

ACADEMIC INFORMATION

The Program of Studies lists the courses that are offered. In the high school, some of these are offered on an alternate pattern. Courses are listed by academic department and each department has developed a variety of required and elective courses.

The Phase System

Phase 1 - Courses are designed for students who need emphasis on the skills of the course

Phase 2 - Courses are designed for students who need moderate emphasis on the basic skills of the courses. These courses are college preparatory.

Phase 3 - Courses are designed for students whose command of the basic skills enables them to pursue a more detailed study of the course material. These courses are Honors level.

Phase 4 - These courses are Advanced Placement and taking of the national exam is mandatory.

Grade Point Average

The grade point average is calculated by dividing the total number of grade points earned by the number of courses attempted. The present grading system and the grade point assignment is:

Grading System		Grade Point Assignment
A+	100 - 98	4.0
A	97 - 93	4.0
B+	92 - 90	3.5
B	89 - 85	3.0
C+	84 - 80	2.5
C	79 - 75	2.0
D+	74 - 73	1.5
D	72 - 70	1.0
F	Below 70	0

Class Rank and Quality Points

Class rank is determined by assigning a “weighted” value to each course according to its phase. Greater “weight” is assigned to the higher phase levels. Class rank is determined by dividing the total weighted grades by the total number of courses taken.

Weighted Values

Grade	Phase 4	Phase 3	Phases 1 & 2	
A+	100 - 98	4.50	4.25	4.00
A	97 - 93	4.25	4.00	3.75
B+	92 - 90	4.00	3.75	3.50
B	89 - 85	3.50	3.25	3.00
C+	84 - 80	3.00	2.75	2.50
C	79 - 75	2.50	2.25	2.00
D+	74 - 73	2.00	1.75	1.50
D	72 - 70	1.50	1.25	1.00

HONOR ROLL

The Honor Roll is determined by grade point average; the phase level of the course is not considered. The grade is meant to indicate whether or not the student is working to his or her ability level. Students may achieve

PRINCIPAL’S HONORS - the student’s quarter grades are all 93% or higher.

FIRST HONORS - the student’s Grade Point Average for the quarter is 3.5 and no grade is

lower than 85%.

SECOND HONORS - the student's Grade Point Average for the quarter is 3.0 and no grade lower than 80%.

General Information

All students, including juniors and seniors, are required to take courses that total a minimum of six credits or seven classes each year.

High School Level Courses in Science and Math taken in the Eighth Grade

Students who achieve a final grade of 93% or higher at the end of the seventh grade in mathematics and science and whose standardized test scores have been consistent with this rating may be advanced to the high school level in Algebra I and Science. This placement requires the approval of the parents and certain standards must be met in order to continue in these courses. The courses must be successfully completed in order to receive academic credit. This student will be required to complete five years of Math.

Advanced Placement Courses

The Advanced Placement Program has been developed by the College Board to provide high school students with a selection of college level courses for which they may gain advanced placement or credit in college. These courses are special, college level learning experiences that are offered over an academic year. They are challenging, stimulating, and compared to other high school courses, take more time, require more work, and provide a greater depth of study in the subject area.

Enrollment in these courses is highly selective and each department will carefully screen those students who wish to select an AP course. **Students who enroll in an AP course are required to take the AP examination which is administered in May of each year. No student should take more than 3 AP Courses in a year.**

College Level Courses

Students who earn 21 or more credits by the end of the Junior year may be approved for a college level course at Allegany College of Maryland or Frostburg State University on the following conditions:

The student's grades at Bishop Walsh have been consistent with their potential as reflected in standardized testing.

The timing of the courses(s) chosen does not interfere with courses that are required to be taken at Bishop Walsh.

The same or similar course is not already available at Bishop Walsh.

Courses at the Center for Careers and Technological Education

The administration at Bishop Walsh has worked in conjunction with the Superintendent of Schools for Allegany County to arrange for qualified students of Bishop Walsh to select courses at C.C.T.E. during their junior and senior years. This can be achieved only if there are at least 10 students who are interested and who qualify. Qualifications include:

The student has earned a minimum of 6 credits per year at Bishop Walsh.

The student has fulfilled the credit requirements for 9th and 10th grades in Religion, English, Social Studies, Science, Mathematics, Fine Arts, Physical Education/Health, Keyboarding and Computer.

Course Cancellation

The administration reserves the right to cancel any course due to insufficient enrollment.

Course Change Policy

Students may revise their schedules free of charge during the period indicated by the Administration. After that time, there will be a \$50.00 change of course fee applied to any parent/student initiated changes. This does not include the addition of a course that is recommended.

THE MIDDLE SCHOOL

The Middle School years are a time of rapid growth in young people. Educational, social, and athletic skills develop rapidly. In the religious realm, questions of faith and practice arise. The patterns that prove successful with elementary aged children are no longer productive with the middle school student.

At Bishop Walsh, we try to provide a climate in which the developing middle school student will have the support of caring professionals, the limits of traditional schedule, homework expectations, and guidelines for proper behavior. With the opportunities provided in the sphere of academics and also student activities, students are enabled to test their evolving potential against a backdrop of solid educational programs. One of the greatest challenges to a child at this age is social development.

MIDDLE SCHOOL PROGRAM OF STUDIES

Religion

In all three years of the Middle School Religion program, a family life program is included to help students grow in greater appreciation for family and friends as the center of love and trust in their lives. The program will help them to view their lives and all human life as a blessing from God.

062 Sixth Grade Religion

This course endeavors to highlight the major developments, themes, and personalities of the Hebrew Scriptures. In an effort to make the course as meaningful as possible to the students, an introduction to human growth and development is presented at the beginning of the course. The study of the people and lands of the Hebrew Scriptures follow this. The course concludes with a look at Israel today. Prayer services and special activities punctuate the course.

072 Seventh Grade Religion

The Christian Scriptures are studied in this course. Christ's life is used as an example to help students develop a positive self-image, integrity, and respect for others. Knowledge of basic Catholic doctrine is reinforced. An understanding of and appreciation for the Mass is provided.

082 Eighth Grade Religion

The Church is studied in the eighth grade. The history, character, and future of our community provide the basis for the student's consideration of their respective roles in the community.

English

The English Program recognizes the emerging self-reliance of students giving them an opportunity to become skilled thinkers, good writers, and effective communicators.

162 172 182 Language Arts

The elements of composition and the fundamentals of grammar are covered in depth so that students develop understanding. The spelling component familiarizes the students with list words and their basic meaning. It endeavors to make every student a good speller with three different levels of activities in each lesson: Practice the words, Build Word Power, Reach Out for New Words. It also provides meaningful application that integrates other Language Arts skills.

163 173 183 Literature

In the literature segment of the program, the students read age-appropriate selections. The students are introduced to the basic elements of literature. The works of authors from around the world provide the students with examples of fiction, non-fiction, drama, and poetry. The course assists the students in making the transition from the traditional elementary reading series to a secondary literature program.

174/184 Sustained Reading

Sustained Reading is scheduled for all middle school students once every 6 days as an enrichment class. The objectives of the class are to help the students to develop a love for reading, and to improve their vocabulary and comprehension skills. The students will be reading both fiction and nonfiction. Many of their selections are coordinated with their Literature class

Social Studies

262 Sixth Grade Social Studies

The geography, history, and cultures of the world are explored beginning with the Western Hemisphere and ending with the Eastern Hemisphere.

272 Seventh Grade Social Studies

American History is studied through the first Americans and Exploration through the Mexican War and the 1850's.

282 Eighth Grade Social Studies

Surveying American History from Pre-Civil War through the 20th Century is the major emphasis of 8th Grade Social Studies. Along with a background in the historical, political, and social developments of the time, map skills and concepts of economics and sociology are further developed.

Science

Lab Fee Applies

362 Sixth Grade Science

The sixth grade science program focuses on Earth/Space Science. Topics include: outer space, the Milky Way galaxy, our solar system, earth's atmosphere, weather, climate, waters, rocks, and internal structures.

372 Seventh Grade Science

The seventh grade program focuses on Life Science. Topics include: plants, invertebrates, vertebrates, protists, human anatomy, genetics, evolutionary thought, the biosphere, and ecology. Lab Fee Applies

313 IPS

Phase 3

Year

1 credit

8th grade only

A hands-on approach to Physical Science and Chemistry. Students will be using equipment that will also be used in Chemistry. This course requires the application of knowledge gained from lab work and the text. Some mathematical and formula manipulation is required. Students learn to work cooperatively with lab partners. Students will be given direction and basic math skills development. Lab Fee Applies

Prerequisite: Departmental recommendation

382 Eighth Grade Science

The eighth grade program provides a general basis for future course work in science. Topics include: general scientific process, introductory chemistry, introductory physics, introductory geology, introductory biology, and introductory ecology.

Foreign Language

464 Introduction to Spanish

In the sixth grade, each student is introduced to the study of Spanish for a trimester. During the seventh and eighth grades years the student will study the Spanish language more in depth.

474 484 Middle School Spanish

During the seventh and eighth grades, the students will concentrate on the Spanish language. Classes will meet on a semester basis and will concentrate on speaking and listening skills as well as the cultural aspects of the language. In preparation for high school language, middle school language is offered as a regular academic class. At the end of eighth grade, students will take a proficiency test to determine their placement (Phase II or III) in the high school language program.

Mathematics

562 Sixth Grade Mathematics

The sixth grade course focuses on problem solving. The course will further assist the student in maintaining acquired skills dealing with whole numbers, decimals, and fractions. Estimation, approximation, and using mathematics to predict are included. Measurement and geometry are presented.

572 Seventh Grade Mathematics

The seventh grade program extends the sixth grade work. Percent and integers are introduced. Problem solving is stressed.

513 Algebra I

Phase 3

Year

1 credit

8th grade only

This course focuses on the study of elementary algebra with emphasis on all of the implications of the distributive law. Students will become familiarized with the used of variables and their use in polynomial and rational expressions. Students learning will be on a

more abstract level and will involve complex equations and graphing as well as the solution of inequalities. More stress is placed on problem solving techniques.

Prerequisite: Department recommendation

582 Eighth Grade Mathematics

In the eighth grade program, skills development continues. Emphasis is placed on solving equations and inequalities.

Computer Education

576 Seventh Grade Computers

586 Eighth Grade Computers

In each grade students are introduced to and instructed in basic computer knowledge and the operation of word processing, spreadsheet, and presentation software. Eighth grade students will learn advanced features to solve problems and develop projects using word processing, spreadsheet, and presentation software. Students use the available software packages in the school's pentium lab. Internet basics are also covered and explored.

662 Sixth Grade Computer

This is an introductory keyboarding course that teaches the student touch type method of typing. Emphasis is on technique and accuracy. Students will learn to type the alphabet, numbers, punctuation, and symbols using correct fingering and spacing. The formatting of letters, reports, tables and other forms of correspondence are taught as well as a 10-key number pad unit.

Art

762 Sixth Grade Art

The program in the sixth grade deals with symmetry, contours, design, composition, and pattern.

772 Seventh Grade Art

Seventh grade students study composition, color, drawing and pattern.

782 Eighth Grade Art

The eighth grade studies value, composition, drawing, and perspective.

Music

862 Instrumental Music Grade 6

872 Instrumental Music Grade 7

882 Instrumental Music Grade 8

The Instrumental Music program is designed for those who are interested in playing a musical instrument and participating in the band. Instructions are available and no previous instruction is necessary. Music classes meet during the regularly scheduled school day.

Physical Education

962 Sixth Grade Physical Education

972 Seventh Grade Physical Education

982 Eighth Grade Physical Education

Middle School students are taught the skills and rules for playing individual and team sports. Conditioning is done in each class. Among the team sports presented are: soccer, basketball, volleyball, and softball.

Study/Life Skills

966 Sixth Grade Skills

976 Seventh Grade Skills

986 Eighth Grade Skills

In each year of the Middle School, students are instructed in various skills that will help them throughout the growth process. Learning how to learn is the focus of the Study Skills course. The course stresses correct attitudes towards study, the management of time and environment, various note-taking methods, using resources, preparing for tests and taking tests. Particular emphasis is placed on concentration, listening, following directions, memorization and recall. In the Life Skills segment of the program, attention is given to such relevant topics as making new friends, how to disagree agreeably, how to succeed in school, respect for others, manners, and other topics.

HIGH SCHOOL PROGRAM OF STUDIES

Religion Department

Requirement: *One credit per year of attendance at Bishop Walsh*

012 Christian Becoming **Phase 2** **Year** **1 Credit** **Freshmen**

A yearlong course that will develop four major themes: Identity, Belief, Behavior, and Church. It is required of all freshmen. The topics in the identity section include: adolescent development, values clarification, and Christian values for person and society. In the unit on Belief, students will explore the Catholic community's understanding and affirmation of the articles of the Nicene Creed. The unit on Behavior will include consideration of the principles of the Ten Commandments and the Beatitudes. In the unit on Church, students will examine a little of the history and the praxis of the Christian.

022 Scripture **Phase 2** **Even/Odd Years** **1 Credit** **Sophomores/Juniors**

This is a course whose focus is the recorded Revelation of the Hebrew and Christian Scriptures. Literary, historical, form, and redaction criticism are considered to the extent that they can help to make the reading of the scriptures more meaningful for the students. Students are involved in discussion and prayers centered on the scripture and are expected to learn the explanatory material presented.

032 Morality **Phase 2** **Sem - Odd/Even Years** $\frac{1}{2}$ **Credit** **Sophomores/Juniors**

Ethical and moral issues of both a personal and a societal nature will be covered in this course. The study will entail an investigation of the relationship of freedom and responsibility and law and conscience. Emphasis will be placed on the moral teaching of Jesus with application of Christian moral principles to specific areas of life.

042 Prayer, Faith and Sacraments **Phase 2** **Sem - Odd/Even Years** $\frac{1}{2}$ **Credit** **Sophomores/Juniors**

This course seeks to examine from a faith perspective, how God reveals Himself through prayer and the sacraments. The course will explore various styles of prayer and forms of worship. Emphasis will be placed on the seven sacraments of Baptism, Confirmation, Eucharist, Reconciliation, Anointing of the Sick, Holy Orders and Matrimony. The course is designed to enable the student to develop a rich prayer life and lead him/her to more meaningful worship in the community.

Note: This sequence begins with the 2011-2012 school year. All sophomores and juniors will take Morality and Prayer, Faith, & Sacraments.

052 Christian Lifestyles **Phase 2** **Sem** $\frac{1}{2}$ **Credit** **Seniors**

This course is designed to aid students in facing the challenges of young adulthood so that they can shape a future that is hopeful, healthy, and full. The belief that underlies this course is, quite properly, that a Christian Lifestyle is the optimal way to grow and to be fully alive.

062 Social Justice **Phase 2** **Sem** $\frac{1}{2}$ **Credit** **Seniors**

A timely study of the justice message of the Scriptures and of the Catholic Church's tradition in social justice. The course will focus on current issues such as violence, poverty, hunger, racism, and peacemaking with some presentation of the latest church documents on these issues. The course is designed to challenge the students to examine their lives in light of the Gospel.

072 Student Assistant in Campus Ministry

English Department

Requirements: A minimum of 4 credits or 8 semester courses, one course each semester.

102 Introduction to Writing **Phase 2** **Year** **1 Credit** **Freshmen**

This course is designed introduce and refine writing techniques and strategies. It will entail editing, revising, and rewriting single and multi-paragraph compositions and essays. Resume and research paper will be covered.

111 English with an Emphasis on Reading **Phase 1** **Year** **1 Credit** **Freshmen**

This course is designed for students reading one or more levels below grade level. This course will cover the grade level English requirements through the use of textbooks and materials with a reading level comparable to the levels of members of the class. Writing and vocabulary assignments are based on assigned reading. Students will read the same types of literature as Approaches to English 112 except that the reading level will match that of the student. Emphasis will be placed on reading comprehension, vocabulary, and increasing reading speed. Basic skills in English will be reviewed using a grammar text with an easier reading level. Students will be tested at the end of the year and will be moved to the next level at the end of the year if their reading levels and skill levels have increased to their grade level.

213 Civilizations of the World Phase 3 Year 1 Credit Freshmen

Research and critical thinking are two objectives emphasized within the framework of this course. The student will have general information presented in the student text and workbook supplemented by audio visual and computer software, cooperative learning and student projects. The course highlights the earliest archaeological finds through current events in our century.

221 United States History Phase 1 Year 1 Credit So/Jr

This course is offered in odd-even years

Opportunity awaits the student to explore the key people, places, and events that helped shape our nation. The student text and workbook are tools which allow the student to survey the earliest formation and continued development of the United States. The course is supplemented with audio-visual and computer software, student projects, and a field trip to Gettysburg, Pennsylvania.

222 United States History Phase 2 Year 1 Credit So/Jr

This course is offered in odd-even years.

This course is a general study of the people who lived and settled in North America, with emphasis on the people who lived and worked in the English colonies, fought for independence, built a new nation, fought wars to preserve it, and marched into the twentieth century to face the challenges of a world power. This course will place greater emphasis on writing skills, research and oral reports. There will also be a field trip to Gettysburg, Pennsylvania.

223 United States History Phase 3 Year 1 Credit So/Jr

This course is offered in odd-even years.

While covering the basic topics in Course 222, this course will delve more deeply into trends and ideologies in American History. More extensive research, mapwork, and essay writing will be required. A field trip to Gettysburg, Pennsylvania is included.

231 United States Government Phase 1 Year 1 Credit So/Jr

This course is offered in even-odd years.

This will be an opportunity for the students to acquaint themselves with the basic structure and workings of our federal, state and local governments. Material surveyed will consist of both historical and current governmental developments. This course is supplemented with audio-visual software, student projects, and a field trip to Washington, D.C.

232 United States Government Phase 2 Year 1 Credit So/Jr

This course is offered in even-odd years.

This course will be a comprehensive look at our national, state, and local governments. Particular emphasis will be placed on their interaction with each other and with the citizenry. Material will involve both historical and current developments. The class will travel to Washington, D.C. to observe the federal government in action. This course will place greater emphasis upon writing skills, along with research, oral reports and panel discussions.

233 United States Government Phase 3 Year 1 Credit So/Jr

This course is offered in even-odd years.

This course will be a comprehensive look at our national, state, and local governments, with particular emphasis on their interdependence. The interaction of these levels of government with the citizenry will be discussed in depth. Strong emphasis will be placed upon correlating current issues and laws within the governmental framework. The class will travel to Washington, D.C. to observe the federal government in action. The latter part of the course will incorporate the study of comparative governments, with special emphasis on the governments of communism, socialism, and parliamentary democracy.

242 Psychology I Phase 2 Sem 1/2 Credit Jr/Sr

This first semester course is a study of the major concepts and theories in psychology. Students are given the opportunity to learn basic skills in psychological research, develop critical thinking skills, and apply psychological concepts to their own lives. Topics include history of psychology, sensation and perception, memory, learning, and intelligence.

252 Psychology II Phase 2 Sem 1/2 Credit Jr/Sr

This second semester may be taken as a continuation of semester one but does not depend on first semester course material as a prerequisite. This course covers additional topics in psychology including developmental psychology, personality, abnormal psychology, and social psychology.

254 Advanced Placement United States History Phase 4 Year 1 Credit Jr/Sr

This course is offered in odd-even years.

This is a survey course of United States History from colonial times through the modern era. There will be a systematic study of the diplomatic, economic, and social history of the United States. The student will do directed background reading and research. Papers and book reports will be required throughout the course. Oral and written examinations will be given.

Prerequisites: 1. An average of A or better in Social Studies courses (the majority of which must have been phase 3 courses.) This includes the third quarter grade at the time of registration.

2. At least a B average in any previous Social Studies A.P. course.
3. Approval by Social Studies Department Chair and previous Social Studies Teachers.

Requirements for successful completion:

1. The student must take the course for the entire year.
2. The student must take the United States History Advanced Placement examination in the Spring.

262 Sociology Phase 3 Sem 1/2 Credit Jr/Sr

This course offers the same opportunities as Course 246. In addition, students will demonstrate analytical skills in written essays and will research sociological topics in current periodicals.

272 Drugs, Alcohol and Behavior Phase 2 Sem 1/2 Credit Jr/Sr

This course will introduce students to the nature of substance use, abuse and addiction. Students will become familiar with the stages of chemical dependency and the clinically accepted factors that impact and often influence adolescents as they make decisions regarding drug/alcohol usage.

282 World Geography Phase 2 Sem 1/2 Credit

This course will offer the student an opportunity to explore the world's regions, countries, and important global issues facing people today. Students will use maps to learn where the world's countries, major cities, and landforms are located. This course will also make extensive use of audio-visual aides as well as place an emphasis on writing and research skills, oral reports and panel discussions.

263 Psychology of Abnormal Behavior Phase 3 Year 1 credit /Jr/Sr

Historical factors and causal factors will be examined. A survey of the classification of symptoms and available treatment options will also be addressed. The course will use case studies to further understand the treatment and symptoms. The course focuses on classification schemes of diagnoses and looks at descriptive terms and symptoms. Research, major perspectives, and myths in the field of mental health are examined. This course follows Intro to Psychology.

264 Advanced Placement Political Science/American Government Phase 4 Year 1 Credit Jr/Sr

This course is offered in even-odd years

This course involves both the study of general concepts used to interpret United States politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. The specific topics addressed include: Constitutional background, political beliefs and behaviors, political parties and interest groups, and civil rights and liberties.

- Prerequisites:**
1. An average of A or better in Social Studies courses (the majority of which must have been phase 3.) This includes the third quarter grade at the time of registration.
 2. Approval by Social Studies Department Chair and previous Social Studies teachers.
 3. At least a B average in any previous A.P. course in Social Studies.

Requirements for Successful Completion:

1. The student must take the course for the entire year.
2. The student must take the Advanced Placement Political Science/American Government exam in the Spring.

284 Advanced Placement Psychology Phase 4 1 credit Jr/Sr

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

- Prerequisites:**
1. An average of A or better in Social Studies courses (the majority of which must have been phase 3.) This includes the third quarter grade at the time of registration.
 2. Approval by Social Studies Department Chair and previous Social Studies teachers.
 3. At least a B average in any previous A.P. course in Social Studies.

Requirements for Successful Completion:

1. The student must take the course for the entire year.
2. The student must take the Advanced Placement Psychology exam in the Spring.

Prerequisite: Approval by the department as well as a B+ average in College Prep Chemistry.

Requirements for successful completion:

1. *The student must take the course for the entire year.*
2. *The student must take the Chemistry History Advanced Placement examination in the Spring.*

362 Science Lab Assistant

364 Advanced Placement Biology **Phase 4** **Year 1 Credit** **Jr/ Sr**

365 AP Biology Lab **Phase 4** **Year** Lab Fee Applies

A college Biology course presenting an in-depth study of 10 major biological themes which are: Evolution, Energy Transformation, Genetic Continuity and Change, Information Flow, Unity in Diversity, Structure and Function, Development, Homeostasis, Cycling and Science as Process. Extensive lab work is required. There is a required field trip in the Spring.

Prerequisite: College Prep Biology, College Prep Chemistry with a minimum grade of B. A course in Physics is highly recommended

Requirements for successful completion:

1. *The student must take the course for the entire year.*
2. *The student must take the Biology Advanced Placement examination in the Spring.*

Foreign Language Department

Requirements: 3 credits in the same modern foreign language.

462/463 Spanish I **Phase 2/3** **Year 1 Credit** **Freshmen**

This course is both communication-based and grammar-based in its approach. All four skills are stressed in the classroom instruction: listening, speaking, reading, and writing. The language is taught in the cultural context of both Spain and Latin America. Video and computer software that complement curricular topics are used as part of the coursework.

472/473 Spanish II **Phase 2/3** **Year 1 Credit** **Sophomores**

Building on the foundation of structure and vocabulary mastered in the first year of study, the course provides additional opportunity toward proficiency in Spanish. Further study of structure and culture is included as well as consistent practice of previously mastered material. Specific emphasis is placed on the skill of reading in Spanish. Students will use video excerpts and computer software that complement curricular topics.

Prerequisite: Successful completion of Spanish I

482/483 Spanish III **Phase 2/3** **Year 1 Credit** **Jr/Sr**

This course strengthens basic listening, speaking, reading, and writing skills in Spanish. Additional emphasis is placed on reading and listening skills. A focus is made on speaking exercises and conversation through a variety of medium and will enable students to participate actively in the communication process.

Prerequisites: Teacher recommendation; successful completion of Spanish II; Student contract to speak Spanish in class.

493 Spanish IV **Phase 3** **Year 1 Credit** **Jr/Sr**

In this course, the development of understanding, speaking, reading, and writing in Spanish is continued. Listening and speaking skills are stressed along with the importance of correct pronunciation. The reading and writing exercises treat of the Hispanic way of life, the attitudes and customs of Hispanic peoples, and the history of their civilizations. Short readings from Hispanic literature, feature films, and film excerpts are included. Computer software and on-line research will be used to personalize and deepen language skills. Special attention will be given to the transition to college-level language study.

Prerequisites: Teacher recommendation; successful completion of Spanish III; student contract to speak Spanish in class.

Mathematics Department

*Requirements: A minimum of 4 credits: 2 in Algebra, 1 in Geometry, 1 in Pre-Calculus or Statistics
8th Grade Students who complete Algebra I need a minimum of 5 credits. 2 in Algebra,
1 in Geometry, Pre-Calculus, and Calculus or Statistics.*

511 Saxon Algebra I **Phase 1** **Year 1 credit** **Freshmen**

This course is similar in content to Course 512. Problem solving and repetition play a major part in this course. Emphasis is placed on the practical use of algebra.

512 Algebra I **Phase 2** **Year 1 credit** **Freshmen**

This course focuses on the study of elementary algebra with emphasis on all of the implications of the distributive law. Students will become familiarized with the use of variables and their use in polynomial and rational expressions. Students learn simple graphs and equation solving. Problem solving techniques permeate the entire program.

513 Algebra I Phase 3 Year 1 credit Freshmen

This course is similar to Course 512 in content but on a more abstract level. In addition, it goes further into the more complex equations and graphing as well as the solution of inequalities. More stress is placed on problem solving techniques.

Prerequisite: Department recommendation

521 Saxon Geometry Phase 1 Year 1 Credit So/Jr/Sr

This course deals with Geometry from the applied point of view. It deals mostly with practical uses such as areas, volumes, and the like. It will consider calculations both by hand and with computational devices as applied to different figures and solids. It will tend to emphasize more of the hands-on approach than the theoretical one.

522 Geometry Phase 2 Year 1 Credit So/Jr

This course is offered in odd-even years.

This course introduces students to the power of reasoning and logic through the study of basic Euclidean geometry. Students are exposed to both the traditional geometrical thinking which has long been a part of our culture as well as the applications which are a part of our contemporary lives with tie-ins such as Cartesian coordinates and computer graphics. Topics vary from the theoretical in proving theorems to the practical of constructions and the calculation of areas and volumes.

Prerequisite: Algebra I

523 Geometry Phase 3 Year 1 Credit So/Jr

This course is offered in odd-even years.

This course is a more advanced version of Course 522. It consists of studying each of the topics from the point of view of proof, construction, and practical problems. More geometric figures are analyzed in detail. Problems deal with both the abstract and concrete applications.

Prerequisite: Algebra I and Department recommendation.

531 Saxon Algebra II Phase 1 Year 1 credit Sophomores, Juniors

This course continues the Algebra I Saxon program. Quadratics, other polynomials, rational functions and graphing are topics covered in this course. Emphasis is placed on Factoring and problem solving.

532 Algebra II Phase 2 Year 1 Credit So/Jr

This course is offered in even-odd years.

This course extends the items studied in Course 512 to higher degree equations. Quadratics, other polynomials, rational functions, the use of exponents and graphs are stressed. Techniques of factoring and solving with computational devices are studied and compared.

Prerequisite: Algebra I

533 Algebra II Phase 3 Year 1 Credit So/Jr

This course is offered in even-odd years.

After a review of basic algebra, this course moves to study open sentences in one and two variables as well as their graphs. Besides polynomials and rational functions, these same techniques are applied to other functions as well as to the complex plane. Students will be expected to learn both traditional and electronic methods of solving and graphing equations and a heavy emphasis is placed on problem solving.

Prerequisite: Algebra I

542 Consumer Finance Phase 2 Year 1 Credit Jr/Sr

Consumer Finance is a full year elective designed for students who are interested in a course designed to develop and reinforce the applications of mathematics in today's society. Students will investigate topics such as earning money, buying food, shopping, managing a household, buying and maintaining a car, traveling, budgeting, banking and investing, paying taxes, and preparing for careers. The goal of this course is to guide students in building a strong foundation in logical thinking and problem solving that will enable them to make good decisions in their daily lives.

543 Advanced Math Phase 3 Year 1 Credit Jr/Sr

In this course, the student studies trigonometry, analytical geometry and other topics beyond the analysis in Algebra II. The practical applications from the very ancient times to the modern computer age are stressed.

Prerequisite: Algebra II and Geometry

553 Statistics Phase 3 Year 1 Credit Jr/Sr

This is an introductory course in statistics. It will include study of mean, mode, average, inferences, and other statistical data.

Prerequisite: Algebra II or Pre Calculus

563 Pre Calculus Phase 3 Year 1 Credit Jr/Sr

This course includes the structure of the real number system and various functions having the real numbers as their domain. Trigonometric, logarithmic and exponential functions are stressed as well as linear programming, continuity, and the binomial theorem. The class focuses on uses of these in problem solving and graphical analysis.

Prerequisite: Algebra II, phase 3 or Advanced Math minimum grade of B.

574 Calculus Phase 4 Year 1 Credit Senior

This course includes coverage of both differential and integral calculus. Emphasis is on the applied rather than the theoretical. Graphing calculators are utilized as appropriate.

584 Advanced Placement Calculus Phase 4 Year 1 Credit Senior

This course covers the syllabus published by the College Board and includes the study of limits, derivatives, and integrals of rational and transcendental functions. The course is split evenly between theory and applications. The class conforms to the requirements of the ETS exam in using the graphing calculator as an integral part of the class.

Prerequisite: Pre Calculus

Requirements for successful completion:

1. The student must take the course for the entire year.
2. The student must take the Calculus Advanced Placement examination in the Spring.

Computer Science

Requirements: 1/2 credit in a computer course

602 Computer Applications Phase 2 Sem 1/2 Credit Fr/So/Jr/Sr

The goal of the course is to provide the student with skills, support and practice necessary to become computer literate. The specific skills and competencies required to master programs in Microsoft Office 2007. Word, Excel, PowerPoint, Publisher, and Access will be covered throughout the semester. Prerequisite: none

613 Programming in Scheme Phase 3 Sem. (Fall) 1/2 Credit Fr/So/Jr

Students in this course gain insight into the nature of computer programming and have an opportunity to study the algorithmic aspects of computer science. They begin by learning the syntax, constructs and basic commands of a particular programming language through interactive lectures, exercises, and small programming projects.

Prerequisite: Grade B in Algebra I or Geometry

622 HTML and Web Page Design Phase 2 Sem. 1/2 Credit So/Jr/Sr

HTML is the official language of the World Wide Web (WWW). HTML and WWW provide a picture to demonstrate knowledge, skills and abilities of students. HTML is an effective multimedia environment where students can show their creativity, express themselves on nearly any topic, and display their thoughts and talents in a variety of ways. Students will learn how to use Microsoft FrontPage 98 as a program for creating Web pages, and managing Web sites.

Prerequisite: none

623 Introduction to Visual Basic Phase 3 Sem. (Spring) 1/2 Credit So/Jr/Sr

The course emphasizes good problem solving and programming skills in a clear, easy to understand format. It covers basic programming concepts including iterative and conditional control structures, arrays, matrices, sorting, sequential searching, and other basic algorithms. This course stresses mathematical applications related to business and/or current math courses and integrates Visual BASIC in an object-based environment. Programming requires the ability to think critically in order to apply the techniques of problem solving. This is an excellent introductory programming course in a sequence leading to learning Java for the Advance Placement Computer Science Examination.

Prerequisite: Course 569: Programming in Scheme

643 Introduction to Java Phase 3 Year 1 credit Jr/Sr

The course is designed to teach students the basics of computer programming in an object-oriented framework. The course involves solving problems by designing, implementing, and testing algorithms. Implementation will be done in the **object-oriented language Java**. Emphasis throughout the course is on problem solving and learning to develop computer programs that are readable, well documented, efficient, cross-platform and correct. It is designed to prepare students for the AP Computer Science exam.

Prerequisite: Course 577: Introduction to Visual Basic

654 Advanced Placement Computer Science Phase 4 Year 1 Credit So/Jr/Sr

This course follows the outline dictated by the 2001-02 AP Course Description in Computer Science. The course covers programming methodology with an emphasis on problem solving, algorithm development, data structures, formal analysis of algorithms and other advanced topics in computer science.

Prerequisite: Grade A Course: Introduction to Java

Requirements for successful completion:

1. The student must take the course for the entire year.
2. The student must take the Computer Science Advanced Placement examination in the Spring.

661 Student Assistant in Computers

During the semester, students will have the opportunity to participate in The Investment Challenge Stock Market Game.

673 Digital Design Phase 3 Year 1 credit So/Jr/Sr

This course will provide students with the opportunity to use state-of-the-art technology to create digital graphics for in-house publications and to design professional websites. Students will use Photoshop for the digital designing and Dreamweaver for web designing.

Prerequisite: Office Applications

Fine Arts Department

Art

Requirement: 1/2 credit in either Art Foundations or Art History

701 Student Assistant in Art

712 Art Foundations Phase 2 Semester 1/2 Credit

Students will be introduced to the basic elements and principles of Art and design with emphasis on improving drawing skills, and understanding use of color and composition. Primary focus will be in two dimensional media such as painting and drawing. Master artworks from a variety of periods and styles will be used in context with studio projects to enhance student perspective of the meaning and function of Visual Arts. Art Fee Applies

722 Fundamentals of 3D Design Phase 2 Semester 1/2 Credit

Students will be introduced to basic elements and principles of art and design with emphasis on three-dimensional formats. Line, shape, form, and space will be explored through techniques of modeling, carving, assembling and molding. Students will practice drawing as a visualization and planning tool. The work of sculptors, designers, and architects from a variety of styles and periods will be studied in context with the students' design projects. This course is recommended for students who have an interest in careers in architecture, landscape, interior, environmental, or industrial design, sculpture or crafts. Art Fee Applies

732 Exploration in Crafts Media Phase 2 Semester 1/2 Credit

This course will introduce the students to the use of a variety of media and the historical perspective of crafts. The media may include but are not limited to the following: clay, fiber arts, batik, weaving, jewelry production, and basketry. Design and decoration of finished objects will be stressed, along with the mastery of the materials. Art Fee Applies

742 Introduction to Art History I Phase 2 Semester 1/2 Credit

This course will be offered in odd-even years.

This course will introduce the students to a history of art through the study of the various styles of art and the artists. Students will study the recording of art history through painting and sculpture from Paleolithic through the Gothic Period. Jr/Sr

752 Introduction to Art History II **Phase 2** **Semester** **½ Credit** **Jr/Sr**

This course will be offered in even-odd years.

This course will introduce the students to a history Art from the 15th Century Italy to the present day. The students will study the styles of art and the artists. Students will explore various movements of Art and their impact.

763 Advanced Art **Phase 3** **Sem** **½ Credit** **Jr/Sr**
702 Independent Study Art **Phase 3** **Sem** **½ Credit** **Jr/Sr**

A directed study course for advanced art students including those who may wish to prepare a portfolio for college admission and scholarship competition. Individual students will work closely with the instructor to plan and execute challenging art works using media and methods of choice. Emphasis will be on developing and showcasing skills. Students will be expected to explore issues of self expression and meaning by creating art work as well as responding to the work of fellow students and master artists. Students will be expected to prepare art work for exhibition and portfolio presentation. This class may be repeated with permission of instructor. Art Fee Applies

Prerequisite: Successful completion of Art Foundations or Fundamentals of 3D Design and permission of instructor. Students who enter these courses are selected by the Department Head. The student must have previous art experience, usually a year or more of study, where they have earned above a 95%. The student must be able to work well independently.

772 History of Dance **Phase 2** **1st Sem course** **½ Credit** **So/Jr/Sr**

This course will trace the history of dance from Ancient Greece, through the Renaissance, and into the modern age. In addition, the curriculum will explore multicultural dances including: Native American, Japanese, and African American folk dances. The course will be lecture based with enrichment from videos of dance performances and field trips to live performances. Students enrolled in this course will be expected to write a research paper, present oral reports, and write critiques of dance performances.

781 Drama Aide

782 American Musical Theater **Phase 2** **2nd Sem course** **½ Credit** **So/Jr/Sr**

This course will explore the rise of the great American Musical in film and on Broadway. Students will be introduced to the origins of tap, jazz, soft shoe, modern, ballet, and lyrical dance. Participants will study the work of choreographers: Michael Bennett, George Balanchine, and Bob Fosse, and their impact on the entertainment world. Student expectations include: a research paper, oral reports and written critiques.

792 Drama 1/2 **Phase 2** **Sem** **½ credit** **Fr/So/Jr/Sr**

This course includes a brief history of the theater, basic theatrical warm-ups for voice and body, dramatic exercises as well as acting technique and performance exercises. Students will be assessed on proper use of terminology, basic knowledge of historical facts and technique protocol as well as performance technique. No pre-requisite classes are necessary, but students must have the approval of their teacher or advisor. This is a single semester course worth ½ a credit toward the Art Requirement.

Music

Requirement: 1/2 credit in Music

802 Chorus and Handbells **Phase 2** **Year** **1 Credit** **Fr/So/Jr/Sr**

This course is designed to institute a discipline and awareness in the area of vocal music and handbells. The students' basic musicianship in voice and handbells will be developed. The course strives to create an atmosphere of good musicianship, high standards of performance and provide a wide range of performance situations for students

Prerequisite: Teacher Recommendation

812 Instrumental Music/Band I (Homeroom) **Phase 2** **Year** **1/2 Credit** **Fr/So/Jr/Sr**

This course is designed to institute a discipline and awareness in the area of instrumental music and to develop the musical talents of those enrolled. The students learn the basics of playing their particular instruments and the playing of those instruments in the ensemble. The course strives to create an atmosphere of good musicianship, high standards of performance, and provides a wide range of performance situations for the students. Students enrolled in this course must participate in a performing ensemble.

822 Exploratory Music **Phase 2** **Year** **1 Credit** **Fr/So/Jr/Sr**

Exploratory Music is a course designed to introduce high school students to music by building on the elementary and middle school curricula. This course will include, but is not limited to, the reading, writing, and history of music from its inception to current times. Exploratory music may include elements of performing and composing music in a variety of instrumental and technological media.

832 Jazz Band **Phase 2** **Year** **1 Credit** **Fr/So/Jr/Sr**

This course is designed to institute a discipline and awareness in the area of Jazz Music. This course strives to create an atmosphere of good musicianship, high standards of performance, and provide a wide range of performance situations for students.

Prerequisite: Teacher Recommendation

842 The History of Music Phase 2 Sem ½ Credit Fr/So/Jr/Sr

This course is a broad based course that introduces the students to major style periods of Western Music. This course covers the music from the 5th century to present day music. This course strives to identify various styles and composers of each period. This will be done through critical listening, lecture, and videos. This is a basic introductory course for students with little or no musical background.

