



**Rosslyn Academy
Coursebook**

2008-2009

Rosslyn Academy

HIGH SCHOOL COURSEBOOK 2008-2009

This guide provides students and parents with a description of courses offered at Rosslyn Academy's High School.

PROCEDURES for Choosing Courses:

1. Be aware of the graduation requirements.
2. Freshmen and new students should develop a Four Year Plan.
3. Read the course descriptions and check the prerequisites carefully.
4. Select classes to fill seven periods per day.
5. In classes where enrollment is limited, preference will be given to upperclassmen.
5. If there is insufficient demand for certain a course, it may not be taught. In these cases students will choose another course.

GRADUATION REQUIREMENTS

In order to graduate from Rosslyn, the following requirements must be met between the 9th and 12th grades:

Area of Study	Credits
English	4 credits
Mathematics Including Algebra 1	3 credits
Social Studies Including US History for US citizens & Senior Social Studies in 12 th grade	3 credits
Science	3 credits
Physical Education	1 credit
Fitness & Health	.5 credit
Religious Education (one semester for each year of attendance at Rosslyn Academy)	2 credits
Fine Arts -- .5 Art Exploration, .5 Music, .5 Art or Music or Drama or Photography	1.5 credits
Computer (Technology Applications) *	.5 credit
Electives	5.5 credits
TOTAL	24 credits

*Computer Competency is met in one of the following ways:

1. A "C" or better in Technology Applications
2. Taking an equivalency test. This equivalency test will be offered **only** in exceptional circumstances.

GRADE POINT AVERAGE

Grade Point Average is calculated on a 4-point scale when determining cumulative GPA.

NOTE: Only Advanced Placement (AP) courses taken at Rosslyn are weighted on a 5-point scale.

Letter Grade	Percent	GPA	Advanced Placement
A	93-100	4.00	5.00
A-	90-92	3.70	4.70
B+	87-89	3.35	4.35
B	83-86	3.00	4.00
B-	80-82	2.70	3.70
C+	77-79	2.35	3.35
C	73-76	2.00	3.00
C-	70-72	1.70	2.70
D+	67-69	1.35	1.35
D	63-66	1.00	1.00
D-	60-62	0.70	0.70
F	0-59	0.00	0.00

PROGRESSION TOWARD GRADUATION

All students enrolled must take a program leading towards fulfillment of the graduation requirements. The listing below represents the minimum requirements, which should be completed by the end of each grade. Students enrolling after grade nine will be required to select courses for their grade, plus complete any other required courses not already taken. Those courses with an asterisk (*) are not required, but are **STRONGLY** recommended for those going to college. The following is a *typical* course load.

FRESHMEN

English 9
Conceptual Physics
Math (Alg 1A, Alg.1, or Geometry)
World Geography
Old Testament Survey (CRE)
Fitness and Health (PE)
Foreign Language 1*
Electives (2 of Art, Music, Tech. App., Speech)

SOPHOMORES

Global Literature
Biology
Math (Alg 1B, Geometry or Alg. 2)
World History
New Testament Survey (CRE)
International Sports (PE)
Foreign Language 2*
Electives (2 of Art, Music, Drama, Speech, MUN)

JUNIORS

U.S. Literature
U.S. History (required for U.S. citizens)
Math (Alg. 2, Geom., Pre-Calc/Trig, Statistics, Core Plus)
Chemistry* or other approved Science elective
Christian Religious Education
Physical Education
Electives

SENIORS

British Literature or AP English
Senior Social Studies (Comparative Government, Economics, Current Events, Senior Seminar)
Math*
Science*
Christian Religious Education
Physical Education or Fine Arts
Electives

* **STRONGLY** recommended for those going to college

CHRISTIAN RELIGIOUS EDUCATION DEPARTMENT

One-half CRE credit must be earned each year the student is at Rosslyn Academy.

OLD TESTAMENT SURVEY -- CRE 9 (Miss Orr and Mr. Sprinkel)

This is a survey of the Old Testament. The class studies the origin of the Bible and its preservation over the years. Time is spent examining the Pentateuch as well as the kings, historical books and prophets.

Prerequisites: Required class
One Semester One-half CRE Credit

NEW TESTAMENT SURVEY – CRE 10 (Mr. Bressler, Mr. Matlak and Mr. Sprinkel)

This class is a survey of the New Testament, looking especially at the impact of Jesus' life and message on first century Palestine, and drawing connections to today.

Prerequisites: Required class
One Semester One-half CRE Credit

CHRISTIAN ETHICS (Miss Orr)

A study of Christian ethics and its application to everyday living. Prevailing moral issues of today's world will be discussed and debated.

Prerequisites: Junior or Senior standing
One Semester One-half CRE Credit

WORLD RELIGIONS (Mr. Sprinkel)

An overview and study of various major religions comparing and contrasting each to Christianity as the standard.

Prerequisites: Junior or Senior standing
One Semester One-half CRE Credit

YOUTH MINISTRY LEADERSHIP (Mr. Sprinkel)

Youth Ministry Leadership is a course designed to develop leadership characteristics and give opportunity to make application of those skills through ministry involvement. Each student will learn through classroom instruction, discussion, and interaction about leadership development and training. A large emphasis is placed on the practical application of ministry principles.

Prerequisites: A personal relationship with Christ and Junior or Senior standing
One Semester One-half CRE Credit.

CHRISTIANITY AND CULTURE (not offered 2008-2009)

Christianity and Culture will allow students to interact with various topics represented in the culture of our day. Those topics, whether from current media or discussions, will be viewed through the lens of Christianity and scripture. Views from different Christian thinkers will be considered as students are encouraged to develop discerning minds.

Prerequisites: Junior or Senior Standing
One Semester One-half CRE Credit

ENGLISH DEPARTMENT

ENGLISH 9 (Mr. Nipper)

Introduction to Language, Composition and Literature. This class will focus on developing strong writing and research skills, and will introduce students to literary analysis. Instruction will be given in the areas of grammar, sentence and paragraph structure, as well as essay basics. Reading is also a key component of learning to write well, and so some portions of the year will be spent studying a few time-honored classics of literature, such as *Romeo and Juliet* and *To Kill a Mockingbird*.

Prerequisites: Required
One year One English Credit

GLOBAL LITERATURE (Mr. Enns and Mr. Leaman)

Global Literature will study poetry, drama, novels and short fiction from various non-western cultures. Units will have a geographical focus including Africa, Latin America, Asia, and the Middle East. Major literary works include *Cry the Beloved Country*, *Things Fall Apart*, and *The Alchemist*. Global Theater and Media will also be studied.

Prerequisites: Required
One year One English Credit

U.S. LITERATURE (Mr. Nipper and Mr. Leaman)

English 11 offers an in-depth study of American literature with an emphasis on oral and written analyses. Major literary works include: *The Scarlet Letter*, *Great Gatsby* and *The Crucible*. Students continue vocabulary study and write numerous literary analyses and research papers. This course is highly recommended for students planning to take AP English during their senior year.

Prerequisites: Freshman and Sophomore English credits.
One year One English Credit

BRITISH LITERATURE (Mr. Enns)

This course is entirely focused on British Literature. The material covered includes short stories, poetry, novels, and plays, stretching from the early Anglo-Saxon writings all the way to the 20th century. Major works include *Beowulf*, *The Canterbury Tales*, *Macbeth*, *The Importance of Being Ernest*, and *The Lord of the Flies*. There are also numerous excerpts for study, including *Paradise Lost*, *The Pilgrim's Progress*, and *Pride and Prejudice*.

Prerequisites: Freshman, Sophomore, and Junior English credits
One year One English Credit

AP ENGLISH LITERATURE (Mr. Enns)

Advanced Placement English Literature offers an intensive study of English literature. Various genres and styles in world literature will be studied. This broad approach will introduce students to more literary ideas, attitudes, and works. Students will be expected to read independently, and to write regularly to develop composition and critical thinking skills. Specific preparation for the AP English examination is also part of the curriculum. **Placement in AP English is competitive and not guaranteed.**

Prerequisites: B or better in U.S. Literature, 3.0 GPA or higher, teacher recommendation
One year One English Credit

SPEECH (Mr. Mercer)

This course is designed to help students develop effective public speaking skills. Students are provided with the opportunity to prepare and present a variety of types of speeches. This course is highly recommended before taking Model UN.

Prerequisites: None
One Semester One-half Elective Credit

FINE ARTS

Art Department

ART EXPLORATION (Mrs. Mercer)

Art exploration is a required introductory class that provides a chance for students to discover the keys to successful artwork. Students will learn the components that all artwork is comprised of -- the elements and principles of art. Additionally, they will take a tour of artwork seen throughout history and be given the opportunity to respond by creating artwork using a variety of media. Lastly, they will be introduced to a method of evaluating artwork that can be used throughout their lives. I believe every person can be a successful artist; it just takes an understanding of various techniques, development of a critical eye, and hard work.

Prerequisites: None
One semester One-half art Credit

2-D ART (Mrs. Davis)

Two-dimensional art will focus on drawing and painting using a variety of media. Students will increase their confidence as an artist through an understanding of technique and the development of a critical eye. Personal exploration will be stressed and aided by the study of Modern Art. Students will see how they can successfully create pleasing artwork through drawing and painting in 2-D art. This course may be repeated for additional credit.

Prerequisites: Art Exploration
One semester One-half art Credit

3-D ART (Mrs. Davis)

Three-dimensional art will focus on sculpture using a variety of media. This art form gives students a more complete understanding of the subject matter as a whole. One intriguing aspect of sculpture is the interactive possibilities the viewer may be offered. Personal exploration will be stressed and aided by the study of Modern Art. If students like to work with their hands and create artwork that speaks, the sculptural artwork in 3-D art will appeal to them. This course may be repeated for additional credit.

Prerequisites: Art Exploration
One semester One-half art Credit

CERAMICS (Mrs. Davis)

Playing in the mud! Ceramics is creating with clay. You will learn to create exhibition quality hand-built and wheel-thrown clay sculptures and functional pottery.

One Semester One-half Art credit

DIGITAL PHOTOGRAPHY (Mr. Kirkpatrick)

This will be an introductory course in digital photography. Students are familiarized with all digital camera controls and functions, and computer editing techniques involving Photoshop Software. Rules of composition and principals of exposure are studied. Also covered are: basic optics, cameras and lenses, and types and characteristics of digital cameras and technology. Evaluation is primarily based on the results of practical assignments. **Prerequisites:** No academic prerequisite required; Digital Camera is required. Minimum Megapixel rating 4.0. Camera must have a manual control setting. Student must get approval for cameras from the instructor prior to registration.

One Semester One-half Fine Arts Credit

FILM STUDIES (Mr. Nipper)

This course will give students the opportunity to analyze and write critiques of films from a Christian perspective. The class will study the history of film and how films, past and present, affect and are affected by our culture. The semester will culminate in the writing of a properly formatted ten to fifteen minute screenplay.

Prerequisites: Junior or Senior Standing or teacher approval
One Semester One-half fine art credit

INTERIOR DESIGN (Mrs. Mercer)

This is the class for you if you are considering a career in Architecture or Interior Design or a related field. It could be termed Interior Architecture as we learn how to shape space. We will explore what it takes to create spaces that function wonderfully as well as being aesthetically pleasing. We will look at finishes, furniture, and basic construction methods as well as a brief history of residential architecture. You will propose design solutions for imaginary and real-life interiors using both the manual and computer-aided drafting means. Come dream, plan, and create new designs for the future!

Prerequisite: Art Exploration
One semester One-half Art credit

PAINTING (Mrs. Davis)

It's all about the brush! This course will provide you with a overview of painting with a wide variety of mediums and techniques.

Prerequisites: 2D Design
One Semester One-half Art credit

PORTFOLIO DESIGN (Mrs. Davis)

This course is designed to help students develop a portfolio for submission to the AP CollegeBoard, or to a university/college art department for admission purposes. Students should take the regular 2-D art previous to Portfolio Design, and Photography would also help in the preparation of the portfolio. This course may be taken more than one time in high school in order to fully develop an art portfolio. The course will usually be taken as an Independent Study but may be on the schedule depending on interest.

Prerequisite: Art Exploration
One semester 2-D Art -- One half Art credit;
One semester Photography – One half Art credit

AP ART PORTFOLIO (Mrs. Davis and Mrs. Mercer)

Although Rosslyn does not currently offer AP art courses, students may develop an Art Portfolio during high school. The portfolio may be submitted to the AP Collegeboard, or to universities and colleges for admission and scholarship purposes. AP has three divisions in Fine Arts: 2-D, 3-D, and Drawing. Work produced in any Rosslyn art class may be used in a student's portfolio; however it is recommended that students interested in 2-D art take 2-D, Painting and Photography. Students interested in 3-D should take 3-D and Pottery. These are minimum recommendations as students are encouraged to take as many art courses as possible for a full portfolio of work. The Portfolio Design course will also be available as needed for students to continue working on portfolios to increase the quality and quantity of art pieces. It should be noted that any student may submit a portfolio for AP consideration whether they have taken an AP class or other high school level classes however, taking structured courses would not only improve the quality of art work but demonstrate to colleges the student interest in art.

Drama Department

THEATRE ARTS I (May not be offered 2008-2009)

The goals of Theatre Arts are to stimulate creative abilities and nurture cultural appreciation. The study and activities will include using inner resources, developing movement, oral interpretation, and characterization through preparing and presenting monologues and scenes. The student will learn to review and appreciate various types of drama. The skills developed in Drama class may help in the school's drama production; however, the class is not a requirement for participation.

Prerequisites: None
One semester One half Fine Arts Credit

THEATRE ARTS II (May not be offered 2008-2009)

This course is designed to give students the joy of further practice in developing skills in acting and in being a discerning theatre attendee. Students will also examine more types of theatre (both past and present) and have an opportunity to direct peers in scenes as well as participate in the behind-the-scenes aspects of drama such as set design for the school production.

Prerequisite: Theatre Arts 1
One Semester One half Fine Arts credit

SET DESIGN (Mrs. Davis)

The show must go on! While learning techniques and tricks of designing sets the class will design and create the set and some props for the drama production.

One Semester One-half Fine Arts credit

Music Department

CHOIR (Miss Zettlemyer)

This class is for any student who likes to sing with a group. It will help the students learn to read music and function in a choir. The high school choir performs at the major school concerts and at special extra community functions. This course may be repeated for additional credit.

Prerequisites: None
One Semester One half Music Credit

HANDBELL CHOIR (Miss Zettlemyer)

The Handbell Choir performs music written especially for handbells. Students should be able to work well with a group. Music reading skills are helpful but NOT necessary. The high school bell choir performs at the major school concerts and at special extra community functions.

Prerequisites: None
One Semester One half Music Credit

ROSSLYN SINGERS (Miss Zettlemyer)

The Rosslyn Singers is a select choir of high school students. This choir represents the school at official functions and may sing at various churches. Students auditioning for the choir need to show their capabilities in singing including sight-reading and general knowledge of music terms, and must demonstrate a willingness to contribute to the group. This course may be repeated for additional credit.

Prerequisites: Choir and Audition or teacher permission
One Semester One half Music Credit

BAND (Mr. Muniz)

This course is for all high school students who play a woodwind, brass, or percussion instrument. The band performs at the major school concerts and at special extra community functions. This course may be repeated for additional credit.

Prerequisites: None
One semester One half music credit

CHOIR/BAND & SINGERS/BAND (Miss Zettlemyer, Mr. Muniz)

Students who wish to may take both choir and band in the same semester. Students would split their rehearsal time between both ensembles and would be expected to perform with both ensembles.

Prerequisites: None
One semester One half music credit

FOREIGN LANGUAGES DEPARTMENT

SPANISH I (Mr. Greenwich and Mr. Ritchie)

Students will begin their study of Spanish by developing speaking, listening, reading and writing skills. In a relaxed atmosphere we will discover together how the Spanish language works. Students will learn basic conversational skills by providing and obtaining information about themselves, their families, friends and daily activities. As Spanish is spoken in Spain, in 18 countries of Latin America and in Puerto Rico, we will explore the rich heritage and culture of the *hispanohablantes*.

Prerequisites: None
One year One elective Credit

SPANISH II (Mr. Greenwich)

This course will continue building the student's grammatical skills, enhancing spoken Spanish, and expanding daily usage. The student will also begin reading simple stories, relating to the aspects of the culture. As students continue to progress in both oral and written proficiency, they will learn to describe past events and talk about their plans for the future, discuss food, movies and travel using a broader range of vocabulary and more complex sentence structures. Spanish 2 students will explore further the history, customs and traditions of people who live in the Hispanic world.

Prerequisites: Spanish I (C or better)
One year One elective Credit

SPANISH III (Mr. Greenwich)

This course expands on the previous two years of work. The classes are organized into thematic units that allow students to read authentic material from various news and literary sources. Students will gain confidence in expressing their opinions orally and in writing about such issues as relationships, the arts, sports, history, cultures and the environment. Students will broaden their awareness of the many diverse Latin communities found in our world today. Students will be prepared to take the SAT Subject Test in Spanish language with confidence should they desire to do so. Those who wish to take an AP course in Spanish will have a good foundation.

Prerequisites: Spanish II (C or better)
One year One elective Credit

SPANISH IV/AP SPANISH (Mr. Greenwich)

Students will gain confidence in advanced oral and written communication. There is an emphasis on good reading and listening skills. Students will learn the necessary skills to write college/AP level essays. Spanish history and culture will be studied in more depth. The frequent and varied oral presentations will help students be able to express themselves with confidence on world issues that matter to them. Students will be well prepared to enter mid level courses in university. Students who wish to prepare for the AP Spanish Exam will have ample practice throughout the year.

Prerequisites: Spanish III (B or better and Teacher Recommendation)
One Year One elective credit

FRENCH I (Mrs. Unger)

Students will begin their study of a new language by developing speaking, listening, reading and writing skills. We will begin to learn how the French language works. Students will learn, for example, to meet people, and talk about themselves, describe daily activities and their families and friends. French is an international language and the French-speaking countries form a diverse and dynamic segment of the world community. Therefore, we will emphasize the study of French culture. In French 1, although we will look closely at France, we will also investigate the variety of francophone people around the world.

Prerequisites: None
One year One elective Credit

FRENCH II (Mr. Ritchie)

This course will extend and improve the student's knowledge of French. The student will gain a broader understanding of French and French speaking peoples. As students continue to progress in both oral and written proficiency, they will also learn to communicate effectively regarding various aspects of daily life: going out with friends, ordering food, choosing clothes, exercising and travel. They will also learn how to describe past events and talk about their plans for the future. In French 2, students will learn about the history, customs, and traditions of people who live in France, Canada, Europe and Africa.

Prerequisites: French I (C or better)
One year One elective Credit

FRENCH III (Mr. Ritchie)

This course expands on the previous two years of work. Students will study grammar and French civilization and will be introduced to major examples of French literature. French 3 offers the opportunity to expand communication and reading skills. Students will learn to express their thoughts more naturally and effectively. We will learn to communicate on a variety of topics such as making travel reservations, shopping, helping out at home, and leisure activities with friends. Students will increase their awareness of the francophone world and become more familiar with the many contributions that French-speaking people have made in the world of arts, sciences and great ideas. French 3 students will also complete their first full-length novel in French.

Prerequisites: French II (C or better and Teacher Recommendation)
One year One elective Credit

FRENCH IV/AP FRENCH (Mr. Ritchie)

Students will continue to advance in oral and written communication skills. There is an emphasis on sharpening listening comprehension and reading skills, as well. Students will learn advanced grammar necessary for the writing of college-level essays. In addition, works by writers such as Ionesco, Sartre, St. Exupery, Voltaire, etc. will be studied. Students will take an in-depth look at the impact of French history upon the nation of France and the francophone world. A variety of oral presentations helps sharpen oral proficiency skills and prepares each student for additional study at the university level, if s/he so desires. Students also have the option of preparing for the Advanced Placement French exam. Preparation will be offered in class throughout the year.

Prerequisites: French III (B or better and Teacher Recommendation)
One Year One elective Credit

HOME SCIENCES DEPARTMENT

CHEF'S CLUB (Mrs. Calvert)

Students are taught nutritious food choices and practice basic food and recipe preparation using several cooking techniques.

Prerequisites: None
One semester One half elective Credit

ON YOUR OWN (Mrs. Calvert)

Students are exposed to personal management principles to facilitate independent living, with a particular focus on preparing for college life.

Prerequisites: Junior or senior standing
One semester One half elective Credit

MATHEMATICS DEPARTMENT

ALGEBRA I (Mrs. Horton)

This course is the math class that most students will take in 9th grade. Students learn to use mathematical language in problem solving. Students study operations with polynomials and rational and irrational numbers. Other topics include factoring, graphing equations and inequalities, solving quadratic equations, and solving systems of equations and inequalities. A scientific calculator is required for this course.

Prerequisites: None
One year One Math Credit

ALGEBRA IA / ALGEBRA IB (Mrs. DesRoches)

Each of these two courses is equivalent to one semester of Algebra I spread out over an entire school year. The topics are the same, but they are covered at a slower pace. A scientific calculator is required for this course.

Prerequisites: Teacher Recommendation
One year for each course One Math Credit for each course

GEOMETRY (Mrs. DesRoches)

This is the next math course to be taken following Algebra I, typically in 10th grade. This course is the study of the deductive approach of Euclidean Geometry. A body of theorems, postulates and definitions is built on the undefined terms of point, line and plane, which are then used to form logical inductive and deductive proofs. Special attention is paid to the relationships of lengths and angle measures of polygons, with application of algebraic methods to solve geometric problems. Further topics include circles, volumes of solids, introduction to trigonometry and transformations. A scientific calculator is required for this course.

Prerequisites: Algebra I or Algebra IB
One year One Math Credit

ALGEBRA II (Mrs. Horton)

Algebra II reviews most Algebra I concepts and develops them at a more complex level. Studies are made in irrational and complex numbers and analytic geometry. Exponential and logarithmic functions are briefly examined, as are sequences and series. The study of trigonometry includes the solutions of triangles (Law of Sines; Law of Cosines) and the concept of radian measure. This course is typically taken in **11th grade**. A graphing calculator (TI-83+ or better) is required.

Prerequisites: Geometry (Alg II may be taken concurrently with Geometry with an A in Algebra I & teacher recommendation)
One year One Math Credit

CORE PLUS (May be offered if there is demand 08-09)

This course features strands of algebra and functions, geometry and trigonometry, statistics and probability, discrete mathematics, and SAT preparation. Students will learn mathematics by doing hands-on activities, often in groups. The curriculum emphasizes mathematical modeling including data collection, representation, interpretation, prediction and simulations.

Prerequisites: Teacher Recommendation.
One year One Math Credit

STATISTICS (Mr. Wes Loewer)

This is an elective course for students who have completed Algebra II and would like an additional year of mathematics. It is intended for 12th grade, but could also be taken by 11th grade students. The topics covered in statistics deal with data analysis, such as finding trends, probabilities, and making predictions. The subject is particularly useful in business and the biological, behavioral, and social sciences. A TI-83+/84+ graphing calculator is required for this course.

Prerequisites: Algebra II
One year : One Math Credit

PRE-CALCULUS/TRIGONOMETRY (Mr. Wes Loewer)

This is an elective course for students who are **strongly motivated in mathematics**. It is intended for 12th grade students as well as 11th graders who are Calculus bound. Basic skills including Algebra II are pre-requisite for this course, and practice in the fundamental skills of algebra, geometry, and trigonometry is provided while advanced topics are introduced. New topics involve the algebraic properties of matrices, logarithms, arithmetic and geometric sequences and series, and trigonometric equations. Conic sections are analyzed in detail, as are higher degree polynomial equations. Considerable emphasis is placed on the use of technology to solve problems. A graphing calculator (TI-83+ or better) is required for this course.

Prerequisites: Algebra II (B or better); strongly recommended: Geometry (B or better)
One year One Math Credit

AP CALCULUS (Mr. Wes Loewer)

Advanced Placement Calculus is for students who have a strong interest in mathematics or its applications in other fields such as engineering, physics, medicine, or other sciences. Students must be strongly self-motivated in mathematics and willing to spend sufficient time at their assignments. Concepts from previous topics are expanded, while new topics related to limits, differentiation with applications, integration with applications, and exponential and logarithmic functions are investigated in detail. Part of the curriculum deals with the use of technology to solve problems. A graphing calculator (TI-83+ or better) is required for this course.

Prerequisites: B or better in Geometry, Algebra II, and Pre-Calculus/Trigonometry
One year One Math Credit

PHYSICAL EDUCATION DEPARTMENT

All students are required to take 1.5 credits of physical education, **including Fitness and Health**. Physical education classes at Rosslyn are coeducational. These courses will encourage the student to develop an appropriate level of physical fitness and to develop the skills and knowledge necessary to be successful in each activity. Each class may only be taken one time for PE credit. **Every student is required to have and wear a PE uniform for class.** A description for each course is listed below.

HEALTH & FITNESS (Miss Orr and Miss Jividen)

This course is designed **primarily for ninth grade students** and will discuss health issues and introduce the five major aspects of physical fitness.

Prerequisites: None (Required for Transfer students unless they already have a Health or credit)
One Semester One half P.E. Credit (required for graduation)

INTERNATIONAL SPORTS (Miss Orr and Mr. Sprinkel)

This course is designed **primarily for tenth grade students** and will introduce (1) various international sports (e.g. Korfbal, Netball, Gaelic Football, American Football etc) and (2) a brief overview of basic team sports. Fitness concepts will be incorporated into the class.

Prerequisites: None
One Semester One half P.E. Credit

LIFETIME SPORTS (Miss Jividen)

This course is designed for eleventh and twelfth grade students. The importance of lifetime activity will be the focus of this course. It will present the students with many different options of sports and activities which can be played well into adulthood and with small numbers of people (e.g: golf, frisbee activities, archery). Fitness concepts will also be incorporated into the class.

Prerequisites: None
One Semester One half P.E. Credit

PERSONAL CONDITIONING (Mr. Sprinkel)

This course is designed for eleventh and twelfth grade students. The student will develop an independent overall conditioning program (incorporating the major aspects of physical fitness) and monitor fitness progress throughout the semester.

Prerequisites: None
(required for transfer students who have a health credit but no fitness credit)
One Semester One half P.E. Credit

RACQUET SPORTS (Mr. Davis)

This course is designed for eleventh and twelfth grade students. The focus is on learning the rules and development of skills for racquet sports (e.g. tennis, badminton, Pickle ball). Fitness concepts included.

Prerequisites: None
One Semester One half P.E. Credit

BASIC/INTERMEDIATE SWIMMING (Mrs. Mwaura)

This course is designed to introduce/ increase the principles of swimming and water safety. The importance of lifetime activity will be the focus of this course. Fitness concepts will also be incorporated into the class.

Prerequisites: None
One Semester One Half PE Credit

PERSONAL WATER SAFETY and LIFEGUARDING (Mrs. Mwaura)

This course is designed to prevent water accidents by giving students the swimming skills, knowledge, habits and attitudes which make one safe in, on and around water. Further the course content and activities prepares students to recognize emergencies, respond quickly and effectively to emergencies and prevent drowning and other incidents. All skills are taught at a level commensurate with the individual student's ability. **MAXIMUM ENROLLMENT: 15.**

Prerequisites: Good Swimming Skills
One Semester One Half PE Credit

RESOURCE DEPARTMENT

Various support services are offered to certain students needing individualized help. The current services offered are for the mild to moderate Learning Disabled, Attention Deficit Hyperactivity Disorder (ADHD) and English as a Second Language (ESL). Admittance to these programs shall be granted by an Eligibility Committee and the student's willingness to participate. (See the Student-Parent Handbook: Special Instruction Program of Rosslyn Academy).

SPECIAL INSTRUCTION/RESOURCE (Mrs. Elmore)

This class is available for students who have been diagnosed with a Learning Disability/ADHD.

Prerequisites: formal testing/diagnosis; space in the program

One Semester One-quarter Elective Credit

ENGLISH AS A SECOND LANGUAGE (Mrs. Follingstad)

This class is available for students for whom English is not their first language and who are not proficient in the English language. Admittance into the program is based on English testing and teacher availability.

Prerequisites: None; Space in the program

One Semester One-half elective Credit

SCIENCE DEPARTMENT

CONCEPTUAL PHYSICS (Mr. Matlak)

This course is offered at the 9th grade level. It will survey the forces and interactions that govern our world in a hands-on, concept-based fashion.

Prerequisites: None
One Year One Science Credit

BIOLOGY (Mr. Kirkpatrick and Mr. Horton)

Students in this survey course through lectures and labs will study the foundational areas of biology-anatomy, botany, cytology, genetics, taxonomy and zoology. Normally a required tenth grade course.

Prerequisites: None
One Year One Science Credit

CHEMISTRY (Mr. Horton)

This course deals with the structure and properties of matter and its changes. Topics include chemical formulas, chemical equations, the mole, phases of matter, gas laws, the periodic table, chemical bonding, solutions, and acids and bases. Concepts will be reinforced through periodic laboratory experiences.

Prerequisites: C Average or better in Biology, Conceptual Physics, Algebra I, and Algebra II
(concurrent enrollment in Algebra II is acceptable)
One Year One Science Credit

ENVIRONMENTAL SCIENCE (Mr. Kirkpatrick)

A one-semester course with an emphasis on Ecological relationships within our environment. Lab work includes field studies as well as traditional lab work. Students required to complete an independent field study project in lieu of exam. Students are also required to participate in an overnight camping/field study trip.

Prerequisites: Biology
One Semester: One half Science Credit

HUMAN ANATOMY AND PHYSIOLOGY (Mr. Kirkpatrick)

A one semester course surveying the parts and functions of the human body. The course will include extensive lab/dissection assignments as well as class lectures.

Prerequisites: Biology (recommend a C grade)
One Semester: One half Science Credit

AP BIOLOGY (Mr. Kirkpatrick)

Advanced Placement Biology is a college level course for the student who is interested in exploring Biology further. Students will do an in-depth survey of topics previously covered in Biology. Starting from the chemistry of life, the course progresses through cellular organization and function, heredity and evolution, diversity of organisms, and the structure and function of plants and animals. This course prepares students for the May AP exam.

Prerequisites: C average or better in Biology, Chemistry, and Algebra I
One Year One Science Credit

AP PHYSICS (Mr. Wes Loewer)

Advanced Placement Physics is a college-level course, which provides a systematic introduction to the main principles of physics (such as motion, forces, energy, electricity, sound, light) and emphasizes the development of problem-solving abilities.

Prerequisites: B average or better in Chemistry & Pre-Calculus (concurrent enrollment in Pre-Calculus is acceptable)
One Year One Science Credit

SOCIAL SCIENCE DEPARTMENT

WORLD GEOGRAPHY (Mr. Bressler)

A survey of the world's countries and cultures. The course looks at how climate, physical geography, history, religion and traditional customs affect the world's current political and social cultures. The course also includes a significant research project where the Big6 will be taught and implemented.

Prerequisites: None
One Year One Social Science Credit

WORLD HISTORY (Mr. Schwandt)

The course offers a balanced global coverage from ancient to modern, with Africa, the Americas, Asia and Europe all represented.

Prerequisites: None
One Year One Social Science Credit

AP WORLD HISTORY (Mr. Schwandt)

Advanced Placement World History offers a balanced global coverage, with Africa, the Americas, Asia and Europe all represented. The course builds on the understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. **Placement in AP World History is competitive and not guaranteed.**

Prerequisites: World Geography, 3.0 GPA
One Year One Social Science Credit

U.S. HISTORY (Miss Bressler)

A study of the history of the United States beginning with the discovery of the "New World" and moving through the twentieth century. Students will study the major events of U.S. History with emphasis on the causes, effects, and people involved.

Prerequisites: Required for U.S. citizens; strongly recommended for all Juniors, especially students who will attend college in the United States.
One Year One Social Science Credit

AP U.S. HISTORY (Mrs. French)

Advanced Placement U.S. History is an in-depth study of United States history from Exploration to the 21st century. Emphasis will be on critical thinking, analysis of events and research in preparation for the AP U.S. History Exam. **Placement in AP US History is competitive and not guaranteed.**

Prerequisites: 3.0 GPA, Teacher Recommendation
One Year One Social Science Credit

ASIAN CULTURES (May not be offered in 2008-2009)

The study of anthropology is applied to Asian cultures. Particular emphasis is given to current events, trends in development, modern Asian literature, and cross-cultural education.

Prerequisites: 10th grade or later
One half year One half Social Science Credit

PSYCHOLOGY (Mrs. Horton)

An introduction to the principles of human behaviour that is designed to "bring to life" the field of psychology. Students will gain a rich understanding of the way people think, feel, and behave through experimentation and research of him/herself and those around him.

Prerequisites: Sophomore, Junior or Senior standing
One Semester: One-half Social Science credit

MODEL UNITED NATIONS (Mr. Correll)

A study of the workings and purpose of the United Nations. Students will be involved in debate, parliamentary procedures, resolution-writing and current events. Participation in the East Africa Model United Nations is required during Semester II. NOTE: Placement in MUN is competitive and not guaranteed.

Prerequisites: Sophomore, Junior, Senior standing, teacher recommendation
Semester I One half Social Science credit or elective credit
(Students may participate more than one year, but Social Science credit will be given only once; after that, Elective credit will be given)

SENIOR SOCIAL STUDIES (Mr. Beyer, Miss Bressler, Mr. Schwandt)

A required course for Seniors which includes one quarter of each of the following courses:

Comparative Government

An in-depth study of the comparative and U.S. federal government. Students will study the origin of the systems of government. Attention will be given to comparing systems of government. National Foreign policies will also be studied.

Introduction to Economics

an introduction to economic principles and theory. Students will study supply and demand, inflation, unemployment, GNP, fiscal and monetary policy, and international trade, among other topics.

Current Events

This course looks at current events, issues and conflicts around the world. Students will learn to identify causes, problem-solve resolutions and be cognizant on current world issues.

Senior Seminar

A course taken during the fourth quarter of the Senior year. Students will pursue a topic in the Social Science disciplines (or interdisciplinary) to do in depth research geared towards a major paper and presentation before an Evaluation Panel. The paper and presentation will involve research, writing skills, speech skills, presentation dynamics, multi-media and/or technology and analysis.

Prerequisites: Senior standing - **Required for Seniors**
One Quarter One-quarter Social Science Credit (**total 1 Credit**)

CULTURAL FIELD STUDIES (Mr. Schwandt)

One week cultural field studies for all high-school students. The field course is designed to expose students to a variety of cultures that exist in Kenya emphasizing Christian service, cross-cultural cooperation, education and social outreach.

Prerequisites: Required for all high school students
One Week One quarter Elective Credit

TECHNOLOGY EDUCATION

TECHNOLOGY APPLICATIONS (Mr. Beyer and Mr. Leaman)

Technology Applications is a required course for high school students at Rosslyn Academy. It teaches students to effectively and efficiently use multi-media technology tools for research, production and communication of written and visual works.

Prerequisites: None (Required for Graduation)
One semester One half Elective Credit

YEARBOOK PRODUCTION (Mr. Beyer)

Students plan, create, and design the yearbook, concentrating on theme and style, copy, layout, and photography. Students will be working both independently and in groups.

Prerequisites: Teacher permission
One year One Elective Credit

DIGITAL MULTI-MEDIA (Mr. Beyer)

This class will explore digital video production using a variety of tools and techniques.

Prerequisites: Technology Applications
One semester One half elective Credit

WEB DESIGN (Mr. Horton)

This course is for students who have completed Technology Applications. Web Design will teach the students how to progress from getting a client to the finished product. The students will work in teams of 2 or 3 to create a website for their client(s). The *client(s)* will be teachers who desire a website for their class or departments within the school.

Prerequisites: Technology Applications
One Semester One half elective Credit

OTHER

TEACHER ASSISTANT (Mrs. Githinji, coordinator)

A student may choose to assist in the library, office or classroom situation. They will be required to act in a professional manner fulfilling the requirements of their teacher/supervisor. May be repeated for credit. The student will receive a pass/fail grade.

Prerequisites: By arrangement with a teacher/supervisor
One Semester One quarter elective Credit

BUSINESS (Mr. Beyer)

This class will introduce students to principals of entrepreneurship, investing and business ethics and leadership.

Prerequisites: Junior or senior standing
One Semester One half Elective Credit

NORWEGIAN (Miss Yri)

This class is for Norwegian students, covering the Norwegian language, literature, literary genres and the history of Norwegian literature.

Prerequisites: Norwegian student
One Year One Elective Credit

Rosslyn Academy High School Four-year Plan Worksheet
for _____ (name of student)

Date _____

GRADE 9:

1. English 9
2. World Geography
3. Mathematics _____
4. Conceptual Physics
5. Foreign Language _____
6. Old Testament Survey/Fitness & Health
7. Electives _____ & _____

GRADE 10:

1. English 10
2. Social Studies (World History or AP World History) _____
3. Mathematics (Alg 1B or Geometry or Alg 2 or doubling up) _____
4. Biology
5. Foreign Language _____
6. New Testament Survey/International Sports
7. Electives _____ & _____

GRADE 11:

1. English _____
2. Mathematics (Geometry or Alg 2 or Pre-Calc or Statistics) _____
3. Science (Chem or EnvSci/Anatomy & Physiology or AP Bio or AP Physics) _____
4. Christian Religious Education _____ (.5) & Physical Education _____ (.5)
5. Social Studies _____
6. _____
7. _____

GRADE 12:

1. English _____
2. Christian Religious Education _____ (.5)
3. Senior Social Studies
4. _____
5. _____
6. _____
7. _____

Graduation Requirement is 24 credits which **must** include the following:

English – 4 credits *Math* – 3 credits *Social Studies* – 3 credits *Science* – 3 Credits
Physical Education – 1 credit *Fitness & Health* -- .5 credit *Computer* -- .5 credit
Christian Religious Education – .5 credit each year at Rosslyn
Fine Arts – 1.5 credits (.5 art, .5 music, .5 art/music/drama/photography)