



**Rosslyn Academy
Coursebook**

2016-17

Rosslyn Academy

HIGH SCHOOL COURSEBOOK 2016-17

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.

GRADUATION REQUIREMENTS

For those entering as Freshmen (starting in 2014-15 school year)

<i>Curricular Area</i>	<i>Credits Needed</i>	<i>Specific Courses Required</i>
English	4	
Math	3	Algebra 1 (or Algebra 1A and 1B)
Science	3	
Social Studies	3	Senior Social Studies Seminar (Grade 12) <i>Note: US History is required for all US citizens</i>
Christian Rel. Ed.	2	1 sem. for each year of RA attendance
Freshman Seminar	.5	Freshman Seminar
Fine Arts	1.5	
Physical Ed	1.5	Fitness and Health
Technology	.5	
Electives	5.0	<i>Note: 2 years of foreign language is highly recommended</i>
TOTAL	24	

For those in Grades 10-12 (beginning in 2014-15 school year)

<i>Curricular Area</i>	<i>Credits Needed</i>	<i>Specific Courses Required</i>
English	4	
Math	3	Algebra 1 (or Algebra 1A and 1B)
Science	3	
Social Studies	3	Senior Social Studies Seminar (Grade 12) <i>Note: US History is required for all US citizens</i>
Christian Rel. Ed.	2	1 sem. for each year of RA attendance
Fine Arts	1.5	
Physical Ed	1.5	Fitness and Health
Technology	.5	
Electives	5.5	<i>2 years of foreign language is highly recommended</i>
TOTAL	24	

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 for Rosslyn's internal GPA. They will be weighted for transcript purposes.

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 or Biology
Math (Alg 1A, Alg.1, or Geometry)
Social Studies: World History or Geography
Old Testament (CRE)
Fitness and Health (PE)
Foreign Language 1*
Electives (Fine Arts, Technology)
Freshman Seminar

SOPHOMORES

Global Literature
Biology or Chemistry
Math (Alg 1B, Geometry or Alg. 2)
Social Studies: World History, Geography or AP World
New Testament (CRE)
International Team Sports (PE) or Athletic Exchange
Foreign Language 2*
Electives (Fine Arts, Technology, MUN)

JUNIORS

American Literature or AP English Language
US History**, AP US, or another class in SS
Math (Alg. 2, Geom., Pre-Calc/Trig, Statistics, Integrated Math)
Chemistry*, Physics* or AP Science
CRE Options
Physical Education or Athletic Exchange
Fine Arts and/or Applied Arts
Electives

SENIORS

British Literature or AP English Literature
Senior Social Studies
Math*
Science*
CRE Options
Physical Education or Athletic Exchange
Fine Arts and/or Applied Arts
Electives

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

** **STRONGLY recommended for those going to North American colleges**

DROPPING CLASSES:

Requests for withdrawal (as opposed to a class change within the first 2/3 days of a semester) will be considered by the Guidance Counselor using the following descriptions for the student's transcript.

W – withdrawal during the first four weeks of the course

WP – withdrawal after four weeks with a passing grade

WF – withdrawal after four weeks with a failing grade

Students are expected to complete year-long classes. Dropping a class at the semester is not often permitted.

Requests to withdraw or drop classes in semester or year long courses will only be considered with certain criteria in mind....The decision may involve the student, teacher, parent, principal and Guidance Counselor.

APPLIED ARTS

ADVANCED DIGITAL PHOTOGRAPHY

Advanced Photography is a course designed to build on the skills in photographic design and processing developed in Introduction to Photography. Advanced Photography will provide opportunity to learn about a variety of styles of photography both in practice and in reading and research. Note: Students must provide their own SLR digital cameras. There is also a list of recommended equipment available from the instructor.

Prerequisites: Introduction to Photography and Teacher Approval
One Semester One-half Applied Arts or Fine Arts credit

ADVANCED WOODWORKING

Advanced Woodworking is designed for students with higher levels of skills and craftsmanship. Tool safety is revisited. Higher fabrication and creative wood working projects are encouraged. Material cost and estimating are taught along with varnishing/finishing each. This fun class takes each student to a higher level in the work shop setting and applied art programs to come.

Prerequisites Woodworking or Teacher Approval
One Semester One-half Applied or Fine Arts credit

COMPUTER GENERATED ART

This is an introductory course on the creation of art using computers and graphic tablets. This is not a graphic design/layout course but will be art-based. Prior knowledge of art fundamentals is necessary. We will be employing programs such as Photoshop, Adobe Illustrator and InDesign to learn to draw and paint digitally.

Prerequisites: Visual Journaling or 2-D Design
One Semester One-half Applied Arts, Fine Arts or Technology credit

CULINARY ARTS

Students learn about nutritious food choices and practice basic food and recipe preparation using varied cooking techniques. They are also exposed to and taught wise shopping and planning methods as they prepare to move out on their own. Note: Students who are vegetarians may feel uncomfortable in this class. Meat will be prepared.

Prerequisites: None
One semester One-half Applied Arts credit

DESKTOP PUBLISHING

Learn how to produce slick pamphlets, brochures, posters, cover pages and even books with *Adobe InDesign*. Apply elements of design in complex publishing; great for those planning on taking or currently taking Yearbook.

Prerequisites: Technology Applications or Teacher Permission
One semester One-half Applied Arts or Technology credit

ILLUSTRATION

In this course, students will study the enchanting world of illustration: cartooning, magazine covers, children's books, and other print media. As an upper level art course, it is geared toward students who have fundamental art knowledge and who desire to learn how to use illustration styles to communicate visually. Students will be creating works using "tried and true", as well as, modern techniques, in illustration design.

Prerequisites: 2D Design
One Semester One-half Applied Arts or Fine Arts credit

INTRODUCTION TO DIGITAL PHOTOGRAPHY

This is a beginning course in the fundamentals of photography. Students will learn both technical skills and creative skills related to digital photography. A secondary emphasis will be placed on digital post-editing for digital images. Note: Students must provide their own advanced digital cameras or rent one from the department.

Prerequisites: Technology Applications required or Teacher Approval. Advanced Digital Camera is required – either a Digital SLR camera, or an advanced Digicam with easy to use Manual exposure mode. There are a few cameras available for rent from the instructor on a first come first serve basis. **Student must get approval for their own cameras from the instructor *prior* to registration.**

One Semester One-half Applied Arts, Fine Arts or Technology credit

JOURNALISM

Journalism is a hands-on class in which students will learn the fundamentals of writing for an audience. They will be required to practice writing, editing, revision, reporting, layout, and professional skills, as related to producing a school newspaper.

Prerequisites: None
One Semester One-half Applied Arts or Elective credit

POTTERY I

Play with Clay! Get dirty and create some cool stuff, too! This course is an introduction to pottery. Hand-building techniques will be stressed but wheel-throwing practice will be required, as well.

Prerequisites: None
One semester One-half Applied Arts or Fine Arts credit

POTTERY II

This course caters to the gifts of individual pottery students. Hand-building techniques, sculpture, production pottery, and/or decorative throwing can all be chosen as areas of emphasis.

Prerequisites: Pottery I or Teacher Approval
One semester One-half Applied Arts or Fine Arts credit

TECHNOLOGY APPLICATIONS

Covers advanced topics with *MS Office* suite and introduces cloud-based applications including *Google Apps* that will help students effectively use the computer during their high school career. *MS Office* topics include *PowerPoint Themes*, *Word Automated Bibliographies*, and *Excel Charts and Pivot Tables*. Cloud-based applications include tools for file storage, browser synching, and staying organized. Technology Applications also serves as a prerequisite for other high school technology courses and introduces students to a range of technologies including web design, digital photography, digital layout, and programming.

Prerequisites: None
One semester One-half Applied Arts or Technology credit

WEB DEVELOPMENT

Learn the fundamental design principles and technology used to build web sites. Technologies include HTML5, CSS3, Javascript and jQuery. Students will design and build their own webpages.

Prerequisites: Technology Applications or similar course or Teacher Approval
One Semester One-half Technology or Applied Arts credit

WOODWORKING

Woodworking is an introduction to using woodworking power tools and tool safety. Students will learn how to lay out patterns and designs and then fabricate those designs - a fun hands-on approach to this entry level wood class.

Prerequisites: None
One Semester One-half Applied Arts or Fine Arts credit

YEARBOOK PRODUCTION

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: Technology Applications required or Teacher Approval; Photography and/or Desktop Publishing is encouraged
One year One Technology credit (May be taken for 1 Semester with Teacher Approval)

YEARBOOK PRODUCTION II

Students take Yearbook publishing to a higher level. See Yearbook Production description for general ideas.

Prerequisites: Yearbook Production or Teacher Approval
One Year One Technology credit (May be taken for 1 Semester with Teacher Approval)

CHRISTIAN RELIGIOUS EDUCATION DEPARTMENT

Note: One-half Christian Religious Education (CRE) credit must be earned for each (fully completed) year the student is at Rosslyn Academy.

CHRISTIANITY AND CULTURE

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

CHRISTIANITY AND LITERATURE: OF HOBBITS AND LIONS

This class is will both explore and seek to participate in the thought and practices of writers such as C.S. Lewis, J.R.R. Tolkien and those that inspired them. Over the course of the semester students will study the way these authors engaged the Bible and Christian theology in their use of fantasy, science fiction, and fairy tale to communicate the deep truths of the Christian faith.

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

CHRISTIAN ETHICS

This is 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

DISCIPLESHIP

The purpose of the class will be two-fold: 1) to go deeper in the basic building blocks of Christianity, focusing on daily growth and accountability, and applying these Scriptural truths/principles to our everyday lives; and 2) for students to learn how to disciple others and become lifetime disciple-makers.

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

ILLUMINATING SCRIPTURE: ART, TEXT AND THE BIBLE

This course will focus on Scripture. We will study one section/book of God's Word for the entire semester. We will study the text and explore how to illuminate (illustrate/bring light to) the text visually. This course is for anyone who is interested in in-depth study of the Bible; students do not need to have previous art experience. This course will be intellectual, enlightening, exploratory, engaging, and enjoyable.

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

LEADERSHIP

Simply stated, this class is about leadership. Its topics will range from the history of leadership theory to current leadership practices. The backbone of this course is an examination of the essential skills and attitudes necessary for quality leadership from a Christian worldview. Coursework will consist of discussions, case studies, reports, active role playing, and engaging in leadership opportunities. A significant portion of the students' course grades will require practical application of leadership principles in the Rosslyn community.

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

NEW TESTAMENT SURVEY (CRE 10)

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 for all Grade 10 students. Transfer/New students may also take this course.
One Semester One-half CRE Credit

OLD TESTAMENT SURVEY (CRE 9)

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 for all Grade 9 students. Transfer/New students may also take this course.
One Semester One-half CRE credit

WORSHIP 1

The Worship 1 class studies three main areas which relate to corporate worship in the Christian setting: Personal and Group Musicianship (*Growing your gifts through practice, instruction, and "performance" experience*); Biblical Foundations of Worship (*Why do we worship through music in the church?*); Mechanics of Worship Leading (*How does one prepare and lead worship music for others?*).

Prerequisites: Sophomore, Junior or Senior Standing
One Semester One-half CRE or Fine Arts credit

WORSHIP 2

The Worship 2 class is for advanced musicians and student spiritual and musical leaders. The students explore three main areas which relate to corporate worship in the Christian setting: Personal and Group Musicianship; Spiritual Leadership and Integrity; Musical Leadership.

Prerequisites: Worship 1; Teacher Approval
One Semester One-half CRE or Fine Arts credit

WORLD RELIGIONS

This course is 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

ENGLISH DEPARTMENT

AMERICAN LITERATURE (ENGLISH 11)

This course 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*, *The Sun Also Rises* and *The Crucible*. Students continuously study vocabulary and will write numerous literary analyses and research papers.

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

AP ENGLISH LANGUAGE AND COMPOSITION

The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students will be expected to read and write independently, engage in peer editing and consultation, and will be encouraged to place significant emphasis on content, purpose, and audience to allow this focus to guide the organization of their writing.

Prerequisites: Teacher Approval; Grade 11
One year One English credit

AP ENGLISH LITERATURE AND COMPOSITION

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.

Prerequisites: Teacher Approval; Grade 12
One year One English Credit

BRITISH LITERATURE (ENGLISH 12)

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 *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

CREATIVE WRITING

This single semester course is designed to help creative writers progress in their attempts to become better and more creative writers. Time spent during class periods will connect clearly with this purpose, and involve regular writing, evaluation, and reading time. Students in Creative Writing will contribute to the learning environment within the class, as well as work towards their culminating Portfolio of Writing assignment. A strong sense of autonomy and drive to learn about writing is essential for success in this course.

Prerequisites: None
One semester One-half Elective credit

FRESHMAN SEMINAR

This is a required Freshman class that includes approximately 9 weeks of in-depth study and application of the Intellectual Virtues and 9 weeks of learning and academic skills.

Prerequisites: All Freshmen
One Semester One-half credit – Freshman Seminar

GLOBAL LITERATURE (ENGLISH 10)

Students enrolled in this course 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*, *Life of Pi* and *The Alchemist*. Global theater and media will also be studied.

Prerequisites: Required for 10th Graders; Freshman English credits
One year One English credit

INTRODUCTION TO COMMUNICATION

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 MUN.

Prerequisites: None
One semester One-half Elective credit

INTRODUCTION TO LITERATURE (ENGLISH 9)

This class will focus on developing strong writing and research skill 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. 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: None; required for all 9th Graders
One year One English credit

JOURNALISM

Journalism is a hands-on class in which students will learn the fundamentals of writing for an audience. They will be required to practice writing, editing, revision, reporting, layout, and professional skills, as related to producing a school newspaper.

Prerequisites: None
One Semester One-half Applied Arts or Elective credit

LITERARY APPRECIATION

This course will focus on learning about the basic elements of fiction and non-fiction literature. Through this focus, students will attempt to appreciate what various literary genres, styles, and themes have to offer readers. We will seek to understand what might make a piece of literature meaningful and worthy of reading. NOTE: This is a literature course that focuses on reading and discussion, so students taking the course should be prepared to read and discuss the finer points of various written texts. A keen interest in reading and a willingness to read a variety of literary genres is essential for success in this course.

Prerequisites: None
One Semester One-half Elective credit

FINE ARTS DEPARTMENT

Visual Arts Department

2D DESIGN

Two-dimensional (2D) Design focuses on the art of drawing using a variety of media. Students will increase their confidence as artists through an understanding of technique and the development of a critical eye. Personal exploration will be stressed and aided by the study of art, art styles, art techniques, and the artwork of professional artists. This is a good course for new art students, as well as students who have a strong art background but wish to improve their skills. This course may be repeated at an advanced level for additional credit.

Prerequisites: None
One semester One-half Fine Arts credit

3D DESIGN

Students study and learn about a variety of sculptors throughout history and across cultures. Students consider the significance of the artists' work within the timeline of art history. Students create sculptures based on lessons learned around the artists studied. Students are exposed to a variety of mediums to use to create sculpture, including but not limited to: clay, wood, wire, stone and other materials. Students also learn how to apply knowledge of professional sculptors their work to their own creations. This course may be repeated at an advanced level for additional credit.

Prerequisites: None
One semester One-half Fine Arts credit

AP ART HISTORY

A year-long course for which students can earn credit for either a Fine Art OR Social Studies credit, AP Art History is an in-depth study of art (architecture, painting, sculpture, etc.) and its cultural/historical significance. It is a critical thinking course which challenges students to examine and analyze forms of artistic expression across the globe and throughout the centuries.

Prerequisites: Teacher Approval (Junior or Senior standing recommended)
One year One Fine Arts or Social Studies credit

AP STUDIO ART: 2D DESIGN PORTFOLIO

AP Studio Art: 2D is an Advanced Placement art course designed for highly motivated students with a strong interest in art. This course recognizes that art is an ongoing process and strives to provide each student with visual challenges that will help them to develop their own personal "artistic voice," as well as stress the creation, development and communication of personal ideas and emotions. This year-long course will be a sustained exploration and experimentation of art. It will give each student the opportunity to develop further mastery of ideation, composition and execution of quality artwork. Throughout the year, students will generate college-level pieces and compile a portfolio of their work, including the creation of a body of work with an intentional underlying visual theme. This portfolio can then be sent to AP College Board for assessment.

Prerequisites: 2D Design, Teacher Approval, and at least one additional art class. Junior/Senior standing.
One year One Fine Arts Credit (May be taken as semester course with teacher approval)

AP STUDIO ART: 2D DRAWING

This is an Advanced Placement art course designed for highly motivated students with a strong interest in art. This course recognizes that art is an ongoing process and strives to provide each student with visual challenges that will help them to develop their own personal “artistic voice,” as well as stress the creation, development and communication of personal ideas and emotions. The course will be a sustained exploration and experimentation of art. It will give each student the opportunity to develop further mastery of ideation, composition and execution of quality artwork.

Prerequisites: 2D Design, Teacher Approval, and at least one additional art class. Junior/Senior standing.

One year One Fine Arts Credit (May be taken as semester course with teacher approval)

AP STUDIO ART: 3D DESIGN PORTFOLIO

AP Studio Art: 3D is an Advanced Placement art course designed for highly motivated students with a strong interest in sculpture and 3-dimensional pieces. This course recognizes that art is an ongoing process and strives to provide each student with visual challenges that will help them to develop their own personal “artistic voice,” as well as stress the creation, development and communication of personal ideas and emotions. This year-long course will be a sustained exploration and experimentation of art. It will give each student the opportunity to develop further mastery of ideation, composition and execution of quality artwork. Throughout the year, students will generate college-level pieces and compile a portfolio of their work, including the creation of a body of work with an intentional underlying visual theme. This portfolio can then be sent to AP College Board for assessment.

Prerequisites: 2D Design, Teacher Approval, and at least one additional art class. Junior/Senior standing.

One year One Fine Arts Credit (May be taken as semester course with teacher approval)

ADVANCED 2D DESIGN

Takes the skills in 2D Design (see course description for 2D Design) to a new and more independent level.

Prerequisite: 2D Design

One semester One-half Fine Arts credit

ADVANCED 3D DESIGN

Further exploration of sculpture techniques and media explored in 3D Design. (See course description for 3D Design)

Prerequisites: 3D Design

One semester One-half Fine Arts credit

ADVANCED COMPUTER GENERATED ART

Further study and investigation of techniques using computers and graphic tablets. (See course description for Computer Generated Art.)

Prerequisite: Computer Generated Art

One Semester One-half Fine Arts credit or Technology credit

ADVANCED DIGITAL PHOTOGRAPHY

Advanced Photography is a course designed to build on the skills in photographic design and processing developed in Introduction to Photography. Advanced Photography will provide opportunities to learn about a variety of styles of photography, both in practice and in reading and research. Note: Students must provide their own SLR digital cameras. There is also a list of recommended equipment available from the instructor.

Prerequisites: Introduction to Photography ; Teacher Approval

One Semester One-half Fine Arts or Applied Arts credit

ADVANCED PAINTING

Further study and investigation of painting techniques introduced in Painting. (See course description for Painting)

Prerequisites: Painting
One Semester One-half Fine Arts credit

ADVANCED POTTERY

This course caters to the gifts of individual pottery students. Hand-building techniques, sculpture, production pottery, and decorative throwing can all be chosen as areas of emphasis.

Prerequisites: Pottery
One semester One-half Fine Arts or Applied Arts credit

ADVANCED VISUAL JOURNALING

Designed to further explore mediums and techniques introduced in Visual Journaling (see course description for Visual Journaling.)

Prerequisites: Visual Journaling
One semester One-half Fine Arts credit

ADVANCED WOODWORKING

Designed to further explore techniques introduced in Woodworking (see course description for Woodworking)

Prerequisites None
One Semester One-half Fine Arts or Applied Arts credit

COMPUTER GENERATED ART

This is an introductory course on the creation of art using computers and graphic tablets. This is not a graphic design/layout course but will be art-based. Prior knowledge of art fundamentals is necessary. We will be employing programs such as *Photoshop*, *Adobe Illustrator* and *InDesign* to learn to draw and paint digitally.

Prerequisites: Visual Journaling or 2-D Design
One Semester One-half Fine Arts, Applied Arts or Technology credit

ILLUSTRATION

In this course, students will study the enchanting world of illustration: cartooning, magazine covers, children's books, and other print media. As an upper level art course, it is geared toward students who have fundamental art knowledge and who desire to learn how to use illustration styles to communicate visually. Students will be creating works using "tried and true", as well as, modern techniques, in illustration design.

Prerequisites: 2D Design
One Semester One-half Fine Arts or Applied Arts credit

INTRODUCTION TO DIGITAL PHOTOGRAPHY

This is a beginning course in the fundamentals of photography. Students will learn both technical skills and creative skills related to digital photography. A secondary emphasis will be placed on digital post-editing for digital images. Note: Students must provide their own advanced digital cameras or rent one from the department.

Prerequisites: Technology Applications required; Advanced Digital Camera is required – either a Digital SLR camera, or an advanced Digicam with easy to use manual exposure mode. There are a few cameras available for rent from the instructor on a first come, first serve basis. Student must get approval for their own cameras from the instructor *prior* to registration.
One semester One-half Fine Arts, Applied Arts or Technology credit

PAINTING

Painting is an introductory course to the basics of acrylics and watercolors. Through these two mediums, students will learn about color theory, basic color wheel terms, mixing, schemes and how to use color to achieve mood, emotion and principles of design. Students will also study famous painters and how they used color, such as the impressionists, pop artists, surrealists, etc. This course may be repeated at an advance level for additional credit.

Prerequisites: 2D Design or Visual Journaling
One Semester One-half Fine Arts credit

POTTERY I

Play with Clay! Get dirty and create some cool stuff, too! This course is an introduction to pottery. Hand-building techniques will be stressed but wheel-throwing practice will be required, as well.

Prerequisites: None
One semester One-half Fine Arts or Applied Arts credit

POTTERY II

This course caters to the gifts of individual pottery students. Hand-building techniques, sculpture, production pottery, and/or decorative throwing can all be chosen as areas of emphasis.

Prerequisites: Pottery I or Teacher Approval
One semester One-half Fine Arts or Applied Arts credit

VISUAL JOURNALING

Visual Journaling is a course designed for both the beginning art student and those who have already taken many arts courses. The course will cover basic book making skills to create individual journals. The beginning of the course will focus on exploration of a variety of mediums and techniques; the second part will be an introduction to how to use visual language and images to explore concepts and ideas about the world we live in.

Prerequisites: None
One semester One-half Fine Arts Credit

WOODWORKING

Woodworking is an introduction to using woodworking power tools and tool safety. Students will learn how to lay out patterns and designs and then fabricate the designs - a fun hands-on approach to this entry level wood class.

Prerequisites None
One Semester One-half Fine Arts or Applied Arts credit

Drama Department

INTRODUCTION TO THEATRE ARTS

During the first quarter, students experience acting and technical basics and develop their philosophical view of the theatre. A devising theatre project based on a class-chosen theme is performed, demonstrating how theatre can inform, educate, and inspire a society. The second quarter is a brief study of Shakespeare, of theatre companies around the world, and of roles/jobs in the theatre. It culminates in small group Shakespearean Theatre Companies, giving students the opportunity to try out an appealing theatrical job and act in a Shakespeare scene. The class is active and fast moving. Students get to explore and try their hand at the art and science of the theatre.

Prerequisites: None
One semester One-half Fine Arts credit

ACTING

Students will study methods of acting, prepare and perform for monologues and scenes together and will each direct a scene with their peers. They will explore acting in different genres of theatre, including Shakespeare, classics of dramatic literature and modern theatre.

Prerequisite: Introduction to Theatre
One Semester One-half Fine Arts credit

Music Department

BAND

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 community functions. This course may be repeated for additional credit.

Prerequisites: Minimum of Middle School experience on an instrument
One year One Fine Arts credit (May be taken concurrently with Rosslyn Singers for One-half Fine Arts credit each)

CONCERT CHOIR

The Concert Choir is a non-auditioned choir of high school students. Students will perform a variety of styles of music at approximately 2-3 concerts. Students will also be learning the basics of music theory and music history. This course may be taken for ½ a year or for the full year.

Prerequisite: None
1 semester One-half - 1 Fine Arts credit

HANDBELLS

Students will learn how to read basic music and perform music together. Students do not need a music background to take this course.

Prerequisite: None
One Semester

MUSIC THEORY

This course is for students who are considering a major or a minor in music at the university level. It is designed to give the students the necessary skills needed to pass the university's Theory Placement Exam to get into Theory I, thus avoiding taking a "fundamentals course" receiving no credit towards the major or minor. There is no concert performance requirement for this class.

Prerequisite: Grade 11 or 12 with previous experience in a large ensemble (band, choir, or string orchestra) or advanced piano studies.
One Semester One-half Fine Arts credit

ROSSLYN SINGERS

Rosslyn Singers is a year-long, auditioned, choral ensemble, which gives approximately six performances throughout the year, covering a wide range of genres of music, including: Classical, Spirituals, Jazz, Pop, Folk, etc. Attention is given to proper vocal and choral technique (relaxation, breath, articulation, tone quality, intonation, blending, balance, phrasing, dynamics), as well as to musicianship skills (music theory, ear and sight-singing). The class is intended for Sophomores and above, though Freshmen with exceptional skill will be considered. This course may be repeated for additional credit.

Prerequisite: Audition or Teacher Approval
One Year One Fine Arts credit (may be taken concurrently with Band for One-half Fine Arts credit each)

STRING ORCHESTRA

This course is for all high school students who play a Violin, Viola, Cello or String Bass. Guitars are not included in this class. The String Orchestra performs at the major school concerts and at special community functions. This course may be repeated for additional credit.

Prerequisites: Minimum of Middle School experience or 2 years of private lessons.
One sem. or 1 year One-half - One Fine Arts credit

WORSHIP 1

The Worship 1 class studies three main areas which relate to corporate worship in the Christian setting: Personal and Group Musicianship (*Growing your gifts through practice, instruction, and "performance" experience*); Biblical Foundations of Worship (*Why do we worship through music in the church?*); Mechanics of Worship Leading (*How does one prepare and lead worship music for others?*).

Prerequisites: Sophomore, Junior or Senior Standing
One Semester One-half CRE or Fine Arts Credit

WORSHIP 2

The Worship 2 class is for advanced musicians and student spiritual and musical leaders. The students explore three main areas which relate to corporate worship in the Christian setting: Personal and Group Musicianship; Spiritual Leadership and Integrity; Musical Leadership.

Prerequisites: Worship 1 and audition
One Semester One-half CRE or Fine Arts Credit

LEARNING SUPPORT DEPARTMENT SPECIAL OFFERINGS

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 Language Learners (ELL). 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).

ENGLISH LANGUAGE LEARNER

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 (the course may be repeated for additional credit as necessary)

SAT PREP

Prerequisites: Sophomore standing or greater
One Semester One-half Elective credit

SPECIAL INSTRUCTION/RESOURCE (may be offered on a consult basis)

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

TEACHER ASSISTANT

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. Class may be repeated for additional credit. The student will receive a pass/fail grade.

Prerequisites By arrangement with a teacher/supervisor
One Semester One quarter Elective credit

MATHEMATICS DEPARTMENT

AP CALCULUS

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-84+ or better) is required for this course.

Prerequisites: B or better in Geometry, Algebra II, and Pre-Calculus/Trigonometry; Teacher Approval
One year One Mathematics credit

AP STATISTICS

The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. A TI-84+ or better graphing calculator is required for this course.

Prerequisites: Algebra II; Teacher Approval
One year One Mathematics credit

ALGEBRA I

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 Mathematics credit

ALGEBRA IA / ALGEBRA IB

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 Mathematics credit for each course

ALGEBRA II

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-84+ or better) is required.

Prerequisites: Geometry (Algebra II may be taken concurrently with Geometry with an A in Algebra I & Teacher Approval)
One year One Mathematics credit

GEOMETRY

This is the next math course to be taken following Algebra I. 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 Mathematics credit

PRE-CALCULUS/TRIGONOMETRY

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 needed 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-84+ or better) is required for this course.

Prerequisites: Algebra II (B or better); strongly recommended: Geometry (B or better)
One year One Mathematics credit

STATISTICS

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-84+ graphing calculator is required for this course.

Prerequisites: Algebra II
One year One Mathematics credit

PHYSICAL EDUCATION DEPARTMENT

All students are required to take 1.5 credits of physical education (PE), **including Fitness and Health**. 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.** Note: Physical education classes at Rosslyn are coeducational.

PE/Athletic Credit Exchange: Students may exchange participation in the Rosslyn athletic program with PE credit with these criteria in mind:

- The only sports including in this program are Varsity and Junior Varsity Basketball, Soccer and Field Hockey. Participation on the Swim team will be counted for credit but only for year-round swimmers.
- **The credit exchange will be under a signed contract between coach, parent, student and Guidance Counselor. This contract must be signed prior to the start of the season.** Forms are available in Guidance Office.
- One season of participation is equal to one-quarter credit. (Swimmers must participate in all three seasons to earn one-quarter credit.)
- Students may only repeat the credit exchange in a single sport one time...i.e. a maximum of one-half credit will be allowed for any individual sports, such as basketball.
- In the case of injury or illness, the loss of participation in a sport season may result in a loss of the credit exchange

ADVANCED PERSONAL CONDITIONING

Although primarily a personal conditioning class, students will be expected to follow somewhat difficult daily workouts that are designed at improving overall fitness. Character and leadership components will also be explored during the semester.

Pre-Requisites: Junior or Senior Standing
One semester One-half PE credit

FITNESS AND HEALTH

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 all – including transfer students without a Health credit)
One Semester One-half P.E. credit (required for graduation)

INTERNATIONAL TEAM SPORTS

This course is designed **primarily for tenth grade students** and will introduce various international team sports (e.g. softball, flag football, cricket, netball, shinty, team handball, Lacrosse, ice/floor hockey, korfbal, water polo, and/or water volleyball) Research of other international team sports will also be encouraged. Fitness concepts will be incorporated into the class.

Prerequisites: None
One Semester One-half P.E. credit

LIFETIME SPORTS

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

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

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

SCIENCE DEPARTMENT

ANATOMY AND PHYSIOLOGY (A & P)

A year-long course surveying the parts and functions of the human body. The course will include extensive lab/dissection assignments, as well as class lectures. This course is a year-long course, but students who have taken one semester of A&P during a previous year, may enroll during Semester 2. Students may also opt to take first semester only.

Prerequisites: Biology (recommend a C grade)
One Year One Science credit

AP BIOLOGY

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. Coursework covers the chemistry of life, cellular organization and function, heredity and evolution, diversity of organisms, and the structure and function of plants and animals.

Prerequisites: Teacher Approval
One Year One Science credit

AP CHEMISTRY

AP Chemistry is a college entry course which can deliver advanced standing in a wide range of colleges with the completion of an external exam. This course would suit students who are aiming to complete college courses in Chemistry, Chemical Engineering, Pharmacy, Biochemistry, Forensic Science and Toxicology, Medicine and Environmental Chemistry. Internal assessment will be based on topic test results, lab reports, and homework completion. A high grade is achieved only through a demonstrated understanding of the content.

“AP (Chemistry) is a rigorous academic program built on commitment, passion and hard work of students...” (Collegeboard AP document). Students would need to be committed to a minimum of 5 hours of homework per week.

Course work and lab work builds on the Chemistry course and includes:

- Review of atomic structure and bonding fundamentals. More advanced treatment of electron placement, bonding and molecular geometry (including complexes). Nuclear chemistry.
- Review of states of matter. More detailed treatment of Kinetic Molecular Model for solids, liquids and solutions.
- Review and extension of the understanding of reaction types, including acid-base, redox, and electrochemistry. More detailed treatment of stoichiometry, equilibrium, acid base theory, kinetics and thermodynamics will be covered.
- Introduction to the nature and organization of inorganic and organic chemicals
- A set of lab experiences that support the above, particularly focusing on lab skills communication and application of chemical theory.

Prerequisites: Teacher Approval
One Year One Science credit

AP PHYSICS C: MECHANICS

This is a college level course which covers the following topics in depth: kinematics; Newton’s laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. This course is especially appropriate for students who plan to go into physics, engineering, mathematics, or other physical sciences.

Prerequisites: Teacher Approval; must be taken concurrently with AP Calculus.
One Year One Science credit

BIOLOGY

Students in this survey course will study the foundational areas of biology- anatomy, botany, cytology, genetics, taxonomy and zoology. Normally a required tenth grade course. **Grade 9 students taking Biology must be enrolled in Geometry concurrently.**

Prerequisites: 9th grade Conceptual Physics or a similar course (except by Science department head approval.)
One Year One Science credit

CHEMISTRY

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

CONCEPTUAL PHYSICS

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

ENVIRONMENTAL SCIENCE

A one year course with an emphasis on ecological relationships within our environment. Lab work includes field studies, as well as traditional lab work. Students are required to complete an independent field study project in lieu of an exam. Students are also required to participate in an overnight camping/field study trip. Students may opt to take only first semester, but they must then complete a major project before Christmas.

Prerequisites: Biology
One Year One Science credit

PHYSICS

A college-prep physics course which provides a hands-on, 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 or better in Chemistry and Precalculus. May be taken concurrently with Chemistry and Precalculus with Teacher Approval.
One Year One Science credit

SOCIAL SCIENCE DEPARTMENT

Social Studies Diploma Requirements and Recommendations: Senior Social Studies is a required course for graduation. United States History or AP United States History is required for all U.S. citizens and strongly recommended for all students applying to US universities. Considering that the credit requirement in Social Studies is 3 credits, it is recommended that Grade 9 and 10 students enter Grade 11 with a minimum of 1 Social Studies credit. Students may take Social Studies in both Grade 9 and 10, but it is not required. Students in Grades 9 and 10 may choose between World Geography, World History, AP World History, and AP European History. It is highly recommend that students who wish to take AP World History or AP European History in Grade 10 also take a Social Studies in Grade 9.

AP ART HISTORY

A year-long course for which students can earn credit for either Fine Art OR Social Studies. AP Art History is an in-depth study of art (architecture, painting, sculpture, etc.) and its cultural/historical significance. It is a critical thinking course which challenges students to examine and analyze forms of artistic expression across the globe and throughout the centuries.

Prerequisites: Teacher Approval (Junior or Senior standing recommended)
One year One Social Science or Fine Arts credit

AP EUROPEAN HISTORY

This course is an enriched survey course in European history, designed at a college level, to prepare students for the AP European History exam. The scope will cover European History from the Late Middle Ages to the present. A working chronology and timeline of events and people will be covered. Free response and document-based essays regarding European history events will be utilized to develop critical analysis, as well as a way of covering information. Historical concepts in political, social, economic, and religious history will be evaluated. Students will also be involved in research projects, which will be reflected in papers, presentations and historical essays.

Prerequisites: Teacher Approval (Junior or Senior standing recommended)
One Year One Social Science credit

AP PSYCHOLOGY

The AP Psychology course is designed to introduce students to 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. AP Psychology will be offered on an every other year cycle and will alternate with the regular Psychology (one semester) course.

Prerequisites: Juniors/Senior standing and teacher approval
One Year One Social Science credit

AP U.S. HISTORY

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.

Prerequisites: Teacher Approval (Junior or Senior standing recommended)
One Year One Social Science credit

****One of the U.S. History courses (U.S. History or AP U.S.) is required for U.S. citizens and highly recommended for all wishing to attend college in North America.**

AP WORLD HISTORY

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. It is highly recommended that students applying for AP World History have taken a Grade 9 Social Studies credit.

Prerequisites: Recommended for Grade10; Teacher Approval
One Year One Social Science credit

CULTURAL FIELD STUDIES

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. Pass/Fail class.

Prerequisites: Required for all high school students
One-quarter Elective credit

FILM STUDIES

Film Studies is an elective course that fulfills the requirements of a one semester / 0.5 credit course.

This course will focus on the important elements of storytelling in film. Throughout history, storytelling has been the most common way that we communicate with one another, often with the core idea of sharing morals and values of society. Stories told with film have a tremendous influence on our attitudes and perceptions of the world around us. In fact, films may be one of the most powerful tools in modern culture for shaping values and conveying information. By viewing, studying, discussing and writing about film, students will develop and demonstrate skills in technological, cultural, and media literacy, as well as critical thinking and problem solving - skills that will serve them well in the real world.

Prerequisites: None
One-half Elective credit

MODEL UNITED NATIONS (MUN)

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 Approval
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)

PSYCHOLOGY

This course is offered on an every other year cycle opposite AP Psychology. It will NOT be offered in 2015-16.

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

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

Comparative Government

An in-depth study of various types of government. Students will study the origin of the systems of government. Attention will be given to comparing systems of government.

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***

One Year One Social Science credit

*****Required for ALL Seniors**

U.S. HISTORY

A study of the history of the United States beginning with the discovery of the "New World" and moving through the 21st century. Students will study the major events of U.S. History with emphasis on the causes, effects, and people involved. Class is taught at an 11th Grade level.

Prerequisites: Required for U.S. citizens; (Sophomores may be allowed to enter the course – Counselor Approval needed.)

One Year One Social Science credit

****One of the U.S. History courses (U.S. History or AP U.S.) is required for U.S. citizens and highly recommended for all wishing to attend college in North America.**

WESTERN CIVILIZATION

The course will concentrate on history from ancient and medieval times to the 20 century with emphasis on western civilization and Europe.

Prerequisites: None

One Year One Social Science credit

WORLD GEOGRAPHY

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.

Prerequisites: None (Taught at a 9th-10th grade level)

One Year One Social Science credit

WORLD HISTORY

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

Prerequisites: None (Taught at a 9th-10th grade level)

One Year One Social Science credit

TECHNOLOGY DEPARTMENT

ADVANCED COMPUTER GENERATED ART

Further study and investigation of techniques using computers and graphic tablets. (See course description for Computer Generated Art.

Prerequisite: Computer Generated Art
One Semester One-half Fine Arts credit or Technology credit

ADVANCED DIGITAL PHOTOGRAPHY

Advanced Photography is a course designed to build on the skills in photographic design and processing developed in Introduction to Photography. Advanced Photography will provide opportunity to learn about a variety of styles of photography both in practice and in reading and research. Note: Students must provide their own SLR digital cameras. There is also a list of recommended equipment available from the instructor.

Prerequisites: Intro to Photography and Teacher Approval
One Semester One-half Technology, Applied Arts or Fine Arts credit

COMPUTER GENERATED ART

This is an introductory course on the creation of art using computers and graphic tablets. This is not a graphic design/layout course but will be art-based. Prior knowledge of art fundamentals is necessary. We will be employing programs such as *Photoshop*, *Adobe Illustrator* and *InDesign* to learn to draw and paint digitally.

Prerequisites: Visual Journaling or 2-D Design
One Semester One-half Technology or Fine Arts credit

COMPUTER PROGRAMMING

Learn foundational principles of computer programming, including variables, control structures, data structures and functions. Apply concepts by writing your own code to solve problems presented in class. We'll use Ruby as our language of choice. The class also includes an introduction to object oriented programming.

Prerequisites: Technology Applications or Teacher Approval
One Semester One-half Technology credit

DESKTOP PUBLISHING

Learn how to produce slick pamphlets, brochures, posters, cover pages and even books with *Adobe InDesign*. Apply elements of design in complex publishing; great for those planning on taking or currently taking Yearbook.

Prerequisites: Technology Applications or Teacher Approval
One semester One-half Technology or Applied Art credit

INTRODUCTION TO DIGITAL PHOTOGRAPHY

This is a beginning course in the fundamentals of photography. Students will learn both technical skills and creative skills related to digital photography. A secondary emphasis will be placed on digital post-editing for digital images. Note: Students must provide their own advanced digital cameras or rent one from the department.

Prerequisites: Technology Applications required; Advanced Digital Camera is required – either a Digital SLR camera, or an advanced DigiCam with easy to use Manual exposure mode. There are a few cameras available for rent from the instructor on a first come first serve basis.
Student must get approval for their own cameras from the instructor *prior to registration.*
One Semester One-half Technology, Applied Arts or Fine Art credit)

TECHNOLOGY APPLICATIONS

Covers advanced topics with *MS Office* suite and introduces cloud-based applications including *Google Apps* that will help students effectively use the computer during their high school career. *MS Office* topics include *PowerPoint Themes*, *Word Automated Bibliographies*, and *Excel* charts and *Pivot* tables. Cloud-based applications include tools for file storage, browser synching, and staying organized. Technology Applications also serves as a prerequisite for other high school technology courses and introduces students to a range of technologies including web design, digital photography, digital layout, and programming.

Prerequisites: None
One semester One-half Technology or Applied Arts credit

WEB DEVELOPMENT

Learn the fundamental design principles and technology used to build web sites. Technologies include HTML5, CSS3, Javascript and jQuery. Students will design and build their own webpages.

Prerequisites: Technology Applications or similar course or Teacher Approval
One Semester One-half Technology or Applied Arts credit

YEARBOOK PRODUCTION

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: Technology Applications required or Teacher Approval; Photography and/or Desktop Publishing is encouraged
One year One Technology or Applied Arts credit (May be taken for 1 Semester with Teacher Approval)

YEARBOOK PRODUCTION II

Students take Yearbook publishing to a higher level. See Yearbook Production description for general ideas.

Prerequisites: Yearbook Production or Teacher Approval
One Year One Technology or Applied Arts credit (May be taken for 1 Semester with Teacher Approval)

WORLD LANGUAGES DEPARTMENT

FRENCH I

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

This course will extend and improve the student's knowledge of French. The student will gain a broad understanding of French and French-speaking peoples. As students continue to progress in both written and oral 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) or Recommendation from the Middle School program
One year One Elective credit

FRENCH III

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 and sciences. French 3 students will also complete their first full-length novel in French.

Prerequisites: French II (C or better)
One year One Elective credit

FRENCH IV/AP FRENCH

This is an advanced level course in which a student may prepare for the AP Test in French language. 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 and vocabulary necessary for the writing of college-level essays. The AP French Language and Culture course is structured around six themes:

1. Global Challenges
2. Personal and Public Identities
3. Science and Technology
4. Beauty and Aesthetics
5. Contemporary Life
6. Families and Communities

In addition, a variety of oral presentations will help to develop oral proficiency skills and to prepare each student for further study at the college level.

Prerequisites: For French IV - French III (C or better)
For AP French – A in French III or B or better in French IV; Teacher Approval
One Year One Elective credit

KISWAHILI I

This class enables students who have no previous experience in Kiswahili to develop speaking, listening and understanding, writing and reading skills in Kiswahili. By learning to provide and obtain information about themselves, their families, friends, and daily activities, students will learn basic conversational skills and begin to read simple paragraphs and story books. Students will explore and integrate the “Kenyan” culture and some other African cultures represented in the classroom.

Prerequisite: None (this class is designed for beginners and/or intermediate speakers)
One Year One Elective credit

KISWAHILI II

Students will continue their study of Kiswahili by developing their listening, speaking, reading and communication skills in the target language. More accuracy, fluency, and comprehension are expected through expanded vocabulary and knowledge through interactive lessons and activities. Students will also be exploring more aspects of the East African culture and other African cultures represented in the classroom.

Prerequisite: Kiswahili I (C or better) or recommendation from Middle School program
One Year One Elective credit

KOREAN I

This is an introductory course in Korean offered for non-native speakers. The course will have two sections, beginner and advanced (for those who took Korean in Middle School). In the beginner section, students will learn about the invention of the Korean language, how it works, and its effectiveness. Later, they will learn consonants and vowels and learn to make words by mixing the consonants and vowels and to read Korean. Students will learn basic grammar and also learn more about Korea through the study of the Korean culture.

Prerequisites: None
One Year One Elective credit

KOREAN II

In the advanced section, students will learn more advanced, diverse, and accurate grammar and rules. The goal of the class is that students become able not only to use Korean but also be able to take the SAT2 Korean, as well as learn more about Korean culture and history.

Prerequisites: Korean 1 (C or better) or recommendation from Middle School program
One Year One Elective credit

KOREAN MOTHER TONGUE I

For those who wish to attend a university in Korea, students will learn how to speak, listen, read, and write in Korean and will also learn Korean grammar, literature, culture, history, and Chinese characters, enabling them to take TOPIC level 6, which is required by universities in Korea. For those who wish to take SAT2 Korean, they will take practice tests and get ready.

Prerequisites: Basic knowledge of Korean language
One Year One Elective credit

KOREAN MOTHER TONGUE II

For those who wish to attend a university in Korea, students will learn how to speak, listen, read, and write in Korean and will also learn Korean grammar, literature, culture, history, and Chinese characters, enabling them to take TOPIC level 6, which is required by universities in Korea. For those who wish to take SAT2 Korean, they will take practice tests and get ready.

Prerequisites: Korean Mother Tongue or Teacher Permission
One Year One Elective credit

SPANISH I

Students will begin their study of Spanish by developing speaking, listening, writing, and reading skills with a focus on informal, verbal communication. Through fun, engaging, and interactive activities, students will learn to provide and obtain information about themselves, their families, friends, interests, and daily activities, both out loud and on paper. In addition, they will begin to explore the cultural landscape of the Spanish-speaking world.

Prerequisites: None
One year One Elective credit

SPANISH II

Students will continue to develop their communication skills in Spanish with increased opportunities to practice both speaking and writing. They will expand their vocabulary and verb knowledge through interactive lessons and activities that encourage them to use what they know to get their point across. Students will feel more and more comfortable expressing themselves solely in Spanish. Activities designed to improve listening and reading skills are also provided. Finally, students will be exposed to even more aspects of Spanish and Latin American cultures.

Prerequisites: Spanish I (C or better) or Recommendation from Middle School program
One year One Elective credit

SPANISH III

This course is designed to move students from limited, structured communication into a more natural, fluid use of Spanish in which they can converse on a wide range of topics. Through various interactive activities and high-interest thematic units, students will be encouraged to move beyond their fear of being wrong and focus instead on what they are able to do - communicate. All major grammar points are covered and/or reviewed.

Prerequisites: Spanish II (C or better)
One year One Elective credit

SPANISH IV/AP SPANISH

Conducted entirely in Spanish with very few exceptions, this course offers students the opportunity to hone their skills in all modes of communication (interpersonal, interpretive, and presentational) via appropriate speaking, listening, reading, and writing activities. Class time is mainly dedicated to examination and discussion of relevant topics (Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics), and further emphasis is placed on the various cultural identities and viewpoints found in the Spanish-speaking world. For those seeking AP credit, additional activities will mimic actual AP test sections, helping students gain the confidence necessary to accurately represent their Spanish language abilities to the College Board in May.

Prerequisite: For Spanish IV - Spanish III (C or better)
For AP Spanish – A in Spanish III or B or better in Spanish IV; Teacher Approval
One year One Elective credit