



**Rosslyn Academy
Coursebook**

2020-21

Rosslyn Academy

HIGH SCHOOL COURSEBOOK 2020-21

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

<i>Curricular Area</i>	<i>Credits Needed</i>	<i>Specific Courses Required</i>
English	4	
Math	3	Algebra 1 (or Integrated Math 1)
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
Personal Respon.	.5	Personal Responsibility (9th Graders only)
Fine Arts	1.5	
Physical Ed	1.5	Fitness and Health
Technology	(0-.5)	Not required (for 9-11) but highly recommended; required 12
Electives	5 - 5.5	<i>Note: 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 a 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.

PROGRESSION TOWARD GRADUATION

All students enrolled must take a program leading towards the 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
Biology
Math: Intg. 1, Alg. 1, Geom.
Social Studies: World History 1, AP Human Geo.
Christian Foundations 9 (CRE)
Fitness and Health (PE)
Foreign Language 1*
Electives (Fine Arts, Technology)
Personal Responsibility

SOPHOMORES

Global Literature
Introduction to Chemistry or Chemistry
Math: Intg. 2, Geom, Alg. 2
Social Studies: World History 2 or AP World
Christian Foundations 10 (CRE)
International Team Sports (PE)
Foreign Language 2*
Electives (Fine Arts, Technology, Etc.)

JUNIORS

American Literature or AP English Language
US History**, AP US, or another class in SS
Math (Alg. 2, Geom., Pre-Calc/Trig, Statistics, Intg Math 3, Discrete)
Chemistry*, Physics* or AP Science
CRE Options
Physical Education
Fine Arts and/or Applied Arts
Electives

SENIORS

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

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

** **STRONGLY recommended for those going to North American colleges; mandatory for US citizens.**

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 DESIGN

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

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

ADVANCED POTTERY

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 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 woodworking 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 workshop setting and applied art program.

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

AUDIO TECHNOLOGY 1

Audio Tech 1 class gives students the opportunity to acquire the skills of live sound, audio mixing, and production. This course fills a tech need for students to have the golden opportunity to produce “live” as well as “non-live” audio. Students will be introduced to a DAW and be given practical exercises to learn and challenge their skills in acoustics, audio gear, and audio production. The most advanced students may be introduced to mastering techniques.

Prerequisites None
One Semester One-half Applied or Technology credit

AUDIO TECHNOLOGY 2

Audio Tech 2 is a project-based course. (Independent Learning) Students will be given the opportunity during second semester Audio tech 2 class to produce real projects of their choosing. This is a great opportunity for audio loving, music-loving tech students to further their knowledge by production of local talent.

Prerequisites: Audio Tech 1 and Teacher recommendation.
One Semester One-half Applied 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

DIGITAL DESIGN

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 and Teacher Approval
One Semester One-half Applied Arts, Fine Arts or Technology 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. 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. **The 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

PERSONAL RESPONSIBILITY

Learning how to effectively identify and manage personal skills can be a critical piece of success in high school. All grade 9 students will be enrolled in a first-semester course that seeks to develop skills of organization, communication, concentration, and motivation. The course will alternate between teaching and learning these skills in an instructional way and using these skills in a practical way that would look very much like a study hall.

Prerequisites: None - first-semester 9th grader
One Semester One-half Applied Arts

POTTERY

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

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

TECHNOLOGY APPLICATIONS 2

Covers advanced topics including videography.

Prerequisites: Technology Applications or advanced technology knowledge
One semester One-half Applied Arts or Technology 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

WOODWORKING

Woodworking is an introduction to using woodworking power tools and tool safety. Students will learn how to layout 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)

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.

CRE 9: THE TRUTH OF SCRIPTURE - OLD TESTAMENT PENTATEUCH

The Truth of Scripture (OT) course is a required CRE for Grade 9 students. The purpose of the course is an exploration of the first 5 books of the Old Testament (Pentateuch) as a starting point in learning about the truth and revelation of Scripture in historical context and connections to today. An emphasis will be placed on Bible study methodology and engagement along with the important concepts and topics of origin, the character of God, revelation, historical context of family and culture, the importance of story and the principles of law and right living outlined in these books.

Prerequisites: None; 9th Grade standing
One Semester One-half CRE credit

CRE 10: THE TRUTH OF SCRIPTURE - NEW TESTAMENT GOSPELS

The Truth of Scripture (NT) course is a required CRE for Grade 10 students. The purpose of the course is an exploration of the first 4 books of the New Testament (Gospels) as a starting point in learning about the truth and revelation of Scripture in the story of Jesus. An emphasis will be placed on Bible study methodology and engagement along with the important concepts and topics of the deity and humanity of Jesus, His life, ministry, teachings, death and resurrection, and the relationships to salvation, grace, forgiveness, choices, discipleship, leadership, service, and purpose.

Prerequisites: None; 10th Grade standing
One Semester One-half CRE credit

CRE 11: CHRISTIAN WORLDVIEW

The Christian Worldview course is **strongly recommended** CRE for Grade 11 students.* The purpose of the course is an exploration of a Biblical-based Christian worldview in relation to cultural diversity and impact, world religions, values and belief systems, and intellectual virtues. The course also includes the establishment of an apologetic framework for inquiry, truth-seeking, discourse, and discussion of contemporary issues.

Prerequisites: None; 11th Grade standing
One Semester One-half CRE credit

CRE 12: CHRISTIAN ENGAGEMENT AND RESPONSE

The Christian Engagement and Response course is the **strongly recommended** CRE for Grade 12 students.* The purpose of the course is an exploration of a Biblical-based Christian response and engagement in the world today with regard to lifestyle, global issues, service, and mission, Christian ethics, spiritual disciplines, involvement in church and community, purposeful living, choices and decision making.

Prerequisites: None; 12th Grade standing
One Semester One-half CRE credit

ENGLISH DEPARTMENT

The new English Language Arts curriculum in High School will transition to a balance between literature (novels, poetry, short stories) and language and composition (media, multiple text type reading and writing, podcasts, film). Each year students will engage in both areas of language arts with a focus on the **Core Concepts and Skills: Reading, Writing, Listening, Speaking and Viewing**. Language Arts stresses the ability to Produce language (Speaking and Writing) and Receive Language (Reading and Listening). Emphasis will continue around student learning objectives in reading for understanding and critical analysis, writing in multiple form and text types, listening to a variety of forms and media, and engagement in speaking. English Language Arts Assessment will be varied across the **Core Concepts**, using multiple types of formative and summative assessments from diverse genres, text types, print and digital materials, employing both classical literature and innovative news ways of communicating.

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

ENGLISH 9: Literature and Language

The overall theme in Grade 9 English is CHANGE. Change is a conversion or movement from one form or place to another. Change involves understanding and evaluating causes, processes, and consequences. English 9 Literature and Language will reflect that theme centered in the following units: *To Kill a Mockingbird*, Short Stories, *Romeo and Juliet*, Biographies and Memoirs, *The Odyssey*, Persuasive Speech .

Prerequisites: 9th Grade Standing
One year One English credit

ENGLISH 10: Literature and Language

The overall theme in Grade 10 English is CULTURE. Culture encompasses a range of learned and shared beliefs, values and ways of knowing in diverse human communities. Culture is dynamic, ever-changing and being changed and always organic, growing and moving through communities. English 10 Literature and Language will reflect that theme centered on the following Units: Cultural Narratives (Short Stories, Poetry, Myths/Folktales), Cultural Conversations and Perspectives (Biography/Memoir), Cultures in Conflict (*Things Fall Apart*), Cultural Journeys (Literature Circles), Dramatic Justice (Plays and Non-Fiction), Writing Portfolios .

Prerequisites: 9th Grade Standing
One year One English credit

(English 11 and English 12 Course Options): The new English 11 and English 12 courses will have 2 sections at each grade level with different emphasis. There will be the Literature and Language option which will have 4 Units of Literature and 2 Units of Language and Composition. The Language and Literature option will have 4 Units of Language Composition and 2 Units of Literature. At each grade level and in each option, there will be at least 2 Units in common in both Literature units and Language units.

ENGLISH 11: LANGUAGE AND LITERATURE

The overall theme in Grade 11 English is CONNECTIONS. Connections are links, bonds and relationships among people, objects, ideas, and communities. The English 11 Language/Literature section will engage with that theme in Language (4 Units) and Literature (2 Units) including: A Sense of Place (Naturalists), *Othello* (Alienation and Belonging), Our Relationship to Technology (non-fiction articles, podcasts, etc.), Crime, Punishment and Redemption (plays, songs, poems, film), Exploring Empathy, Connection to History: Hamilton, Writing Intensive: Nanowrimo Units, Independent Reading.

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

ENGLISH 11: LITERATURE AND LANGUAGE

The overall theme in Grade 11 English is CONNECTIONS. Connections are links, bonds and relationships among people, objects, ideas, and communities. The English 11 Literature/Language section will engage with that theme in Literature (4 Units) and Language (2 Units) including: A Sense of Place (Naturalists), *Othello* (Alienation and Belonging), Our Relationship to Technology (non-fiction articles, podcasts, etc.), Crime, Punishment and Redemption (plays, songs, poems, film), *The Great Gatsby* (Dreams: Individual and Collective), Literature Circles (multiple choice in novels, including *Into the Wild*, *Educated*, *Born a Crime*, *Enrique's Journey*), Exploring Empathy, Independent Reading.

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

ENGLISH 12: LANGUAGE AND LITERATURE

The overall theme in Grade 12 English is CREATIVITY. Creativity is generating new ideas and considering existing ideas from a new perspective. Creativity is the ability to recognize the value of ideas and innovative responses to problems. The English 12 Language/Literature section will engage with that theme in Language (4 Units) and Literature (2 Units) including: The Creative Process: Survey of Poetry (Poetry Portfolio), Creating our Future (Diaspora Literature: *Frankenstein*, *Brave New World*, *1984*, *Lord of the Flies*, etc.), Telling Our Stories (Narrative Writing: College Essays), The Cautionary Tale: Fiction Writing About What Comes Next, New Media Storytelling (modern storytelling: film, podcast, graphic novels, social media), Writing Intensive: Nanowrimo, Independent Reading.

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

ENGLISH 12: LITERATURE AND LANGUAGE

The overall theme in Grade 12 English is CREATIVITY. Creativity is generating new ideas and considering existing ideas from a new perspective. Creativity is the ability to recognize the value of ideas and innovative responses to problems. The English 12 Literature/Language section will engage with that theme in Literature (4 Units) and Language (2 Units) including: The Creative Process: Survey of Poetry (Poetry Portfolio), Creating our Future (Diaspora Literature: *Frankenstein*, *Brave New World*, *1984*, *Lord of the Flies*, etc.), Telling Our Stories (Narrative Writing: College Essays), The Cautionary Tale: Fiction Writing About What Comes Next, The Creative Genius of Shakespeare (*Macbeth*), Creative Nonfiction (Literature Circles), Independent Reading.

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

ENGLISH FOR ACADEMIC PURPOSES

This course offers students an opportunity to strengthen foundational language skills that contribute to deep reading and clear writing in English. A variety of literary works, both prose, and poetry, will be considered.

Prerequisites: Approval of ELL Teacher
One Sem. 1/2 English credit or 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 that 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 2-D Art

AP 2-D Art 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 will be sent to the 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 3-D Art

AP3-D Art 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. A visual portfolio will be sent to the 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 Drawing

AP 2-D Art 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 will be sent to the 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 and Teacher Approval

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 and Teacher Approval

One semester One-half Fine Arts credit

ADVANCED DIGITAL DESIGN

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

Prerequisite: Computer Generated Art and Teacher Approval

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 an 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 PAINTING

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

Prerequisites: Painting and Teacher Approval
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 and Teacher Approval
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 and Teacher Approval
One semester One-half Fine Arts credit

ADVANCED WOODWORKING

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

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

DIGITAL DESIGN

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 and Teacher Approval
One Semester One-half Fine Arts, Applied Arts or Technology credit

ILLUSTRATION

In this course, we will study the enchanting world of illustration - cartooning, magazine covers, children's books and computer-generated works (using Adobe Illustrator). As an upper-level art course, it is geared toward students who desire to learn how to use illustration styles to communicate visually. Students will be creating amazing works using "tried and true", as well as more modern techniques in illustration design.

Prerequisites: 2D Design and Teacher Approval
One Semester 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. 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. The student must get approval for their own cameras from the instructor *prior* to registration.

One semester One-half Fine Arts or Applied Arts

PAINTING

Painting is an introductory course on 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 and Teacher Approval
One Semester One-half Fine Arts credit

PRINTMAKING

Students will study a variety of printmaking techniques, tools, and materials from current and historical sources. The students will be exposed to many artists who use printmaking techniques in their works of art.

Prerequisites: 2D Design and Teacher Approval
One Semester One-half Fine Arts credit

POTTERY

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

VISUAL JOURNALING

Visual Journaling is a course designed for both the beginning art student and those who have already taken many art courses. The course will cover basic bookmaking skills to create individual journals. The beginning of the course will focus on the 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 layout 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

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-half or One Fine Arts credit (May be taken concurrently with Rosslyn Singers)

COLLEGE PREP MUSIC

This course is for students who are considering a major in music at the university level. It is designed to give students preparation time to work on audition materials with teacher input. Concert or recital performance may be required.

Prerequisite: Grade 11 or 12 with previous musical experience
One Semester One-half Fine Arts Credit

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
One semester One-half - 1 Fine Arts credit

MUSIC THEORY

This course is for students who are considering a major or 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 in order to get into Theory 1 and avoid taking a fundamentals course. There is no concert performance requirement for this class.

Prerequisite: Grade 11 or 12 with previous experience in a large ensemble (band or choir) or advanced music 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 techniques (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 skills 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)

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 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 that relate to corporate worship in the Christian setting: Personal and Group Musicianship; Spiritual Leadership and Integrity; Musical Leadership.

Prerequisites: Worship 1
One Semester One-half Fine Arts Credit

Drama Department

ACTING

The acting class provides the group and individual study, practice and performance of voice, movement, and characterization techniques and theories of acting in the context of various genres of the theatre.

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

INTRODUCTION TO THEATRE

During the first quarter, students experience acting basics, 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 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

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 FOR ACADEMIC PURPOSES

This course offers students an opportunity to strengthen foundational language skills that contribute to deep reading and clear writing in English. A variety of literary works, both prose and poetry, will be considered.

Prerequisites: Approval of Guidance Counselor and ELL Teacher

One year One English credit

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)

SPECIAL INSTRUCTION/RESOURCE (may be offered on a consulting 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

MATHEMATICS DEPARTMENT

AP CALCULUS

Concepts from Precalculus are expanded, while new topics related to limits, differentiation, and integration, and corresponding applications are investigated in detail. The curriculum includes the use of technology to solve problems. Advanced Placement Calculus is for students who have a strong interest in mathematics or its applications in other fields, such as economics, computers, engineering, physics, chemistry, medicine, or other sciences. Students must be strongly self-motivated in mathematics and be willing to spend sufficient time at their assignments.

Prerequisites: B or better in Pre-Calculus/Trigonometry
One year One Mathematics credit

AP STATISTICS

Advanced Placement Statistics is a year-long college-level course defined by The College Board. This course will address the challenging task of gleaning knowledge from data. Statistics are numbers wielded by those who understand their power, but it requires a profound effort to make justified conclusions from data. An understanding of statistical methods is required not only of those who would pursue a career in a related field but also of anyone taking up the role of the citizen in an increasingly informed world. The course is divided into four basic sections: Analyzing Data, Collecting Data, Probability, and Inference.

Prerequisites: Algebra 2 and Teacher Approval
One year One Mathematics credit

ALGEBRA 1

Students study operations with rational and irrational numbers and polynomials. Other topics include solving linear equations and inequalities, systems of equations and inequalities, quadratic equations, and factoring. Students will also learn to use mathematical language in problem-solving. A scientific calculator is required for this course.

Prerequisites: Pre-Algebra
One year One Mathematics credit

ALGEBRA 2

Algebra II reviews most Algebra I concepts and develops them at a more advanced level. Studies are made in irrational and complex numbers, sequences and series, probability and statistics. Radical, polynomial, rational, logarithmic functions are examined. A graphing calculator (TI-84+ or better) is required.

Prerequisites: Algebra 1
One year One Mathematics credit

DISCRETE MATHEMATICS

Discrete Mathematics is an elective mathematics course for students interested in exploring topics that are generally outside of the high school curriculum. This course will include topics of logic, proof, combinatorics, probability, graph theory, algorithms, number theory, sets, trees, and programming. This course will introduce students to a variety of advanced ideas and applications of mathematics.

Prerequisites: Algebra 2
One Year One Mathematics credit

GEOMETRY

Geometry is a year-long course that follows Algebra 1 in our high school sequence. Students will learn about logic and proof through the examination of relationships within planar objects including triangles, quadrilaterals, parallel lines, and circles. Topics include inductive and deductive reasoning, congruence and similarity, trigonometry, and transformations. A scientific calculator is required for this course.

Prerequisites: Algebra 1
One year One Mathematics credit

INTEGRATED MATHEMATICS 1

Integrated Mathematics 1 covers mathematical modeling, introduction to functions, linear equations, and an introduction to geometric concepts of lines, angles, triangles, and quadrilaterals, along with an introduction to statistics. The Integrated Mathematics 1/2/3 sequence of courses can be taken in lieu of the Algebra 1 / Geometry / Algebra 2 sequence. Each of the three Integrated courses covers the most essential topics of algebra, geometry, and statistics. Each year builds upon previously learned concepts. These are not considered “college preparatory” courses, but they do provide a foundational base for students who could benefit from an alternative approach.

Prerequisites: Teacher Recommendation
One Year One Mathematics credit

INTEGRATED MATHEMATICS 2

Integrated Mathematics 2 covers polynomial functions with an emphasis on quadratics, and geometric concepts of similarity, right triangles, circles, volumes, and an introduction to probability. The Integrated Mathematics 1/2/3 sequence of courses can be taken in lieu of the Algebra 1 / Geometry / Algebra 2 sequence. Each of the three Integrated courses covers the most essential topics of algebra, geometry, and statistics. Each year builds upon previously learned concepts. These are not considered “college preparatory” courses, but they do provide a foundational base for students who could benefit from an alternative approach.

Prerequisites: Integrated Math 1 or Teacher Recommendation
One Year One Mathematics credit

INTEGRATED MATHEMATICS 3

Integrated Mathematics 3 covers mathematical modeling in 2d and 3d, polynomial and rational functions, exponential and logarithmic functions, trigonometry, circles, and statistics. The Integrated Mathematics 1/2/3 sequence of courses can be taken in lieu of the Algebra 1 / Geometry / Algebra 2 sequence. Each of the three Integrated courses covers the most essential topics of algebra, geometry, and statistics. Each year builds upon previously learned concepts. These are not considered “college preparatory” courses, but they do provide a foundational base for students who could benefit from an alternative approach.

Prerequisites: Integrated Mathematics 2 or Teacher Approval
One Year One Mathematics credit

PRE-CALCULUS/TRIGONOMETRY

This course covers Advanced Algebra, Trigonometry, Analytic Geometry, and Analysis. Emphasis is placed on the solution of worked problems through which learned concepts are applied. Topics include functions (polynomial, rational, exponential, logarithmic, polar), trigonometry, complex numbers, matrices, conic sections, 3d coordinate systems, combinatorics, basic statistics, and limits. Students will also learn how to use tools and technology to aid them in solving problems.

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

STATISTICS

Statistics is the branch of mathematics that deals with methods for planning studies and experiments; obtaining data; and organizing, presenting, and drawing conclusions based on the data. This course is intended to introduce students to Statistics in a practical manner with an emphasis on applying Statistics to real-world situations. Statistics is useful to those who are interested in going into a variety of fields, such as business, economics, sociology, psychology, political science, and biology.

Prerequisites: Algebra 2 or Integrated Math 3
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. Credit may also be earned for 2 different sports ($\frac{1}{4}$ credit each).
- In the case of injury or illness, the loss of participation in a sports season may result in a loss of the credit exchange
- Only .5 credit may be earned through PE/Athletic Exchange towards the 1.5 credits needed.

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, Pickleball). Fitness concepts included.

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

SWIMMING

This course is designed for high school students. The importance of lifetime activity will be the focus of this course. The course is designed to increase swimming skills and introduce life-saving techniques. Additionally, the class teaches students how fitness can and should be incorporated into their lives.

Prerequisites: Fitness and Health (or similar course), basic swimming skills, and the ability to swim the length of the pool without stopping. **Teacher Approval is required.**
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. **Anatomy and Physiology is ideally suited as a 4th science course for students who have already successfully completed or are currently completing the three primary strands of science (Physics, Biology, Chemistry).** Students may also opt to take the first semester only.

Prerequisites: Biology (recommend a C grade) **Physics/Conceptual Physics and Chemistry are either pre-requisites or co-requisites. Exceptions can be made only with Teacher/Department Chair/Guidance approval.**

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. **AP Biology is ideally suited as a 4th science course for students who have already successfully completed or are currently completing the three primary strands of science (Physics, Biology, Chemistry).**

Prerequisites: Biology (B average) and Chemistry (B average); **Physics/Conceptual Physics is a pre-requisite or co-requisite. Exceptions can be made only with Teacher/Department Chair/Guidance approval.**

One Year

One Science credit

AP CHEMISTRY

AP Chemistry is a college entry course that 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. **AP Chemistry is ideally suited as a 4th science course for students who have already successfully or are currently completing the three primary strands of science (Physics, Biology, Chemistry).**

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: Biology (B average) and Chemistry (B average); **Physics/Conceptual Physics is a pre-requisite or co-requisite. Exceptions can be made only with Teacher/Department Chair/Guidance 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. **AP Physics is ideally suited as a 4th science course for students who have already successfully or are currently completing the three primary strands of science (Physics, Biology, Chemistry).**

Prerequisites: Teacher Approval; must be taken concurrently with AP Calculus. Must have taken General Physics and Biology, as well as taking or having taken Chemistry. **Exceptions can be made only with Teacher/Department Chair/Guidance approval.**

One Year One Science credit

BIOLOGY: Life's Diversity

This course will focus on the diversity of the world's living organisms with an emphasis on the interrelatedness of structure and function within the body plans of selected species from across the spectrum of life. Students will also gain experience with scientific skills such as data gathering, data analysis, graphing, the nature of science as an inquiry-based pursuit and critical thinking skills. This course is a great preparation for Human Anatomy and Physiology and Environmental Science.

Prerequisites: None

One Year One Science credit

BIOLOGY: A Molecular Approach

This is a study of biology mostly at the submicroscopic molecular level and as such will focus primarily on the more abstract concepts of biochemistry, molecular biology, genetics, etc. Evolution and Ecology will also be included. Students will also gain experience with scientific skills such as data gathering, data analysis, graphing, the nature of science as an inquiry-based pursuit and critical thinking skills. Excellent preparation for Advanced Placement Biology, as well as Environmental Science, and Human Anatomy and Physiology.

Prerequisites: None

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: Algebra I

One Year One Science credit

CONCEPTUAL PHYSICS

This course is offered at the 11-12 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.

Environmental Science is ideally suited as a 4th science course for students who have already successfully completed or are currently completing the three primary strands of science (Physics, Biology, Chemistry)

Prerequisites: Biology, Conceptual Physics/Physics, Chemistry. **Exceptions can be made only with Teacher/Department Chair/Guidance approval.**

One Year One Science credit

INTRODUCTION TO CHEMISTRY

Introduction to Chemistry is a full-year course about the structure of matter of which all creation is made. A full range of chemistry topics will be covered but at less depth and with less mathematical analysis than in the regular Chemistry course. Topics include the classification of matter, chemical formulas and equations, bonding, periodicity, states of matter, gas laws, solutions, acids and bases, and chemical kinetics. Lab work will be a significant part of the course. This course is primarily intended for sophomores who have successfully completed biology but are not on a path to take upper-level math or AP science courses.

Prerequisites: None

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: Biology and Chemistry (B grade average) are either pre-requisites or co-requisites. Exceptions can be made only with Teacher/Department Chair approval. Precalculus should be taken at least concurrently

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 History 1 or 2, AP World History, and AP Human Geography. It is highly recommend that students take a Social Studies class all four years of high school

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 that 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 HUMAN GEOGRAPHY

In AP Human Geography students study the patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Rather than taking a regional approach, AP Human Geography content is presented using themes and covers all aspects of geography. The approach focuses on geographic problems and highlights case studies from all world regions, with an emphasis on understanding the world in which we live today. Historic information is studied to provide a richer context for understanding geographic phenomena such as globalization, colonialism, and human-environment relationships. Specific topics of study include Geography: Its Nature and Perspectives, Population and Migration, Cultural Patterns and Processes, Political Organization of Space, Agriculture, Food Production, and Rural Land Use, Industrialization and Economic Development, and Cities and Urban Land Use. This course emphasizes research, writing, presentation, critical thinking, analysis, and problem-solving skills.

Prerequisites: Recommended for Grade 9; 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 MODERN 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 Modern World History have taken a Grade 9 Social Studies credit.

Prerequisites: Recommended for Grade 10; Teacher Approval
One Year One Social Science credit

ADVANCED MODEL UNITED NATIONS (MUN)

Students will help with teaching the regular MUN class. Participation in the East Africa Model United Nations is required during Semester II.

Prerequisites: Sophomore, Junior or Senior standing and 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)

AFRICAN CULTURES

This course is designed as a basic introduction to cultural anthropology with Africa as its emphasis.

An emphasis will be placed on a comparative study of African cultures with Western thought and cultural traditions. Students will analyze their own cultural backgrounds with different tribal groups and the general traditions of Africa. The focus will be on social organization, subsistence living, economies of Africa, politics, traditions, and the impact of Western thought and religion.

Prerequisites: 11-12 standing

One Semester ½ Social Studies credit

AFRICAN HISTORY

The primary goal of this course is to address the typical images of Africa by putting the continent's contemporary situation into historical context. The main themes will be the evolution of "tribal" identities, "gatekeeper" politics, and problematic economies in colonial and post-colonial contexts. As we delve into these Afrocentric themes the course examines the political, cultural and socio-economic history of Africa from 1885 to the present. Time will also be spent looking at Kenya specifically within each of these topics and their impacts and effects on Kenyan development.

Prerequisites: 11-12 standing

One Semester ½ Social Studies 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

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

A basic introduction to the principles of human behavior and our mental processes. Students will begin to explore the various fields of psychology and gain a basic understanding of the way people think, feel, and behave through experimentation, activities, and research.

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.**

WORLD HISTORY 1

World History 1 is designed primarily for Grade 9 students. It covers ancient civilizations to the Middle Ages (1200). This is an in-depth study of our global community's past, emphasizing the people and events that changed past societies, and how these changes affect our modern society. The content and concepts areas will cover early civilizations, economic and political developments, geographic concepts, the rise of Christianity and other belief systems, the influence of culture, the rise empires and dynasties, the means of communication, the rise of agricultural and technological advancements, conflict, intellectual thought and the arts. This course will also emphasize research, writing, presentation, critical thinking, analysis and problem-solving skills.

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

One Year One Social Science credit

WORLD HISTORY 2

This World History course is a continuation of the content and skills of World History 1. It is primarily designed for Grade 10 students and covers the developing modern world from 1200 to modern times. This is an in-depth study of our global community's past, emphasizing the people and events that changed past societies, and how these changes affect our modern society. The content and concept areas will cover the rise of political and economic realities of the modern world, the Renaissance and Reformation, world religions, geographic concepts, communication and technological advancements in agriculture and industry, changing intellectual thinking, war and conflict, and the arts. This course will also emphasize research, writing, presentation, critical thinking, analysis, and problem-solving skills.

Prerequisites: None (Taught at a 9-10 grade level)
One Year One Social Science credit

TECHNOLOGY DEPARTMENT

ADVANCED DIGITAL DESIGN

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

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

AUDIO TECHNOLOGY 1

Audio Tech 1 class gives students the opportunity to acquire the skills of live sound, audio mixing and production. This course fills a tech need for students to have the golden opportunity to produce “live” as well as “non-live” audio. Students will be introduced to a DAW and be given practical exercises to learn and challenge their skills in acoustics, audio gear and audio production. The most advanced students may be introduced to mastering techniques.

Prerequisites: None
One Semester One-half Applied or Technology credit

AUDIO TECHNOLOGY 2

Audio Tech 2 is a project-based course. (Independent Learning) Students will be given the opportunity during second-semester Audio tech 2 class to produce real projects of their choosing. This is a great opportunity for audio loving, music-loving tech students to further their knowledge by producing local talent.

Prerequisites: Audio Tech 1 and Teacher recommendation.
One Semester One-half Applied or Technology credit

DIGITAL DESIGN

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 and Teacher Approval
One Semester One-half Technology 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 Technology or Applied Arts credit

TECHNOLOGY APPLICATIONS 2

Covers advanced topics including videography.

Prerequisites: Technology Applications or advanced technology knowledge
One semester One-half Applied Arts or Technology 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)

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)

One Year For AP French – A in French III or B or better in French IV; Teacher Approval
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 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

MOTHER TONGUE KOREAN 1

This is an advanced Korean language course. Its purpose is to help those looking to return to Korea for university to solidify their Korean language skills.

Prerequisites: Knowledge of Korean - speaking, writing, and reading
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