

NORFOLK COLLEGIATE SCHOOL

COURSE SELECTION BOOKLET 2012 – 2013

The mission of Norfolk Collegiate School is to educate a diverse body of students to thrive in a college setting and beyond. Each student learns through traditional and innovative teaching within a warm and caring community.



ENGLISH DEPARTMENT REQUIRED COURSES

CHAIR: MRS. JUDY DAVIS

English 9. World Literature. This course focuses on world literature—including oral traditions, poetry, short fiction, drama, and novels—from ancient texts to works by contemporary authors. Students use readings from the Middle East, Asia, Africa, and Europe to build their critical thinking, reading, research, and writing skills as they complete a variety of projects, including creative, expository, persuasive, and research writing assignments. The course continues to build vocabulary through the study of literature, as well as through a sequenced program for vocabulary development.

English 10. British Literature. This course explores the historical route and genres of English literature from Anglo-Saxon times to the present. Students focus on the traditional British authors and their representative works from drama, romance, poetry, epics, short stories, essays, and the novel in order to hone their analytical and writing skills. Vocabulary enrichment is an integral part of the course that prepares students for college-level reading and writing assignments. Enhanced appreciation and enjoyment of time-honored literature are the predominant goals of the class.

English 11. American Literature. In this course students increase their ability to read, appreciate, and understand selected works of American authors in order to reveal the ideals and characteristics of American literature. Students write creative pieces and critical essays that reflect careful research, organization, and documentation. These essays analyze the ideas and principles of each literary unit studied and provide writing practice with creative, expository, persuasive, and research writing. In addition, the course continues to build student vocabulary mastery through the study of literature, as well as through a sequenced program for vocabulary development.

ENGLISH DEPARTMENT CORE ELECTIVES

THESE COURSES FULFILL THE SENIOR ENGLISH REQUIREMENT. ALL SENIORS ARE REQUIRED TO COMPLETE ONE FULL CREDIT OF ENGLISH DURING THE SENIOR YEAR.

[189] Advanced Placement English Literature and Composition. Advanced Placement English Literature and Composition is a full-year course designed to build the advanced analytical reading and writing skills typically found in the first year college literature and composition course. Students will explore the history, genres, and literary movements associated with selected classical, world, American and British authors through novels, short fiction, poetry, drama and essays. Students will write a variety of analytical essays from multiple critical perspectives and will compose original poems and stories. Candidates for the course are expected to complete summer reading and writing assignments. All AP English Literature and Composition students are required to take the AP exam in May.

Prerequisites: A minimum grade of 90 in English 11 and teacher recommendation.

[190] Advanced Placement English Language and Composition. Advanced Placement English Language and Composition is a full-year course designed to replicate the typical first year college writing requirement. The focus in this course is non-fiction writing, including analyzing and composing personal, expository, descriptive, narrative, persuasive, and researched essays. Students read a wide variety of non-fiction prose ranging from historic speeches and essays to contemporary autobiographical, narrative, political, and persuasive articles, essays, and books. The course includes focused study of the writing process, organization, development, style, and grammar and mechanics. Candidates for the course are expected to complete summer reading and writing assignments.

All AP English Language and Composition students are required to take the AP exam in May. This course may be taken by seniors as an alternative to English 12 or by juniors for elective credit.

Prerequisites: A minimum grade of 90 in English 11 and teacher recommendation. This course may also be taken for elective credit by Grade 11 students who have a minimum grade of 90 in English 10, a teacher recommendation, and permission of the instructor.

[155] Introduction to Short Fiction. This one-semester course will introduce students to various aspects of the craft of writing short fiction, personal memoir and autobiography. Students will read the work of established writers as a frame for exploring different genres and understanding various critical approaches. Students will complete weekly reading and writing assignments, oral presentations, and a portfolio of creative work and will be encouraged to pursue publication possibilities.

Grade 12

[158] The Mystery Genre in Literature and Film. This one-semester course will teach students differences within the mystery genre by studying contrasting characteristics among “detective whodunits,” crime and murder mystery, realistic and light mystery, and the “inverted detective” story, as well as the psychological thriller. A brief survey of authors such as Edgar Allan Poe, Sir Arthur Conan Doyle, Agatha Christie and Raymond Chandler will contrast with the works of selected contemporary artists of the genre. Students will compare and contrast selected movie adaptations of these stories and will write analytical and critical papers.

Grade 12

[156] Literature of the Beat Generation. This one-semester course will provide an overview of major texts and authors of the popular literary movement known as the “Beat Generation.” Students will come to understand not only this genre of literature—but also the historical and political constructs that formed the basis of this bohemian movement—through the works of authors who protested against social conformity and tainted the social norms of a young American generation. Students will read poetry, fiction, and non-fiction texts while completing a variety of formal and informal writing assignments. Come discover what made Allen Ginsberg “Howl” or why Jack Kerouac went *On the Road*.

Grade 12

[157] Adventure and Exploration in Literature. Adventure, exploration and the great outdoors have been objects of fascination since the beginning of time. The literature recorded by adventure enthusiasts has given us a greater understanding of the relationship between humankind and the outdoors. In this one-semester course, a mix of classic and contemporary poetry, short stories, novels and films will be used to gain insight into this genre of literature full of exploration and journeys into the unknown. Students will complete informal and formal writing assignments to gain further understanding of this genre and its themes.

Grade 12

ENGLISH DEPARTMENT FREE ELECTIVES

THESE COURSES DO NOT FULFILL THE SENIOR ENGLISH REQUIREMENT BUT ARE OFFERED FOR ADDITIONAL ELECTIVE ENGLISH CREDIT.

[151] Journalism I. In this full-year course students learn how to identify and report news; write news, features, sports, editorials, and in-depth stories; use correct Associated Press style; and design and lay out the school newspaper, *The Oak Leaf*. Students are responsible for producing *The Oak Leaf* as they compile individual writing portfolios.

Grades 9-12

[152] Journalism II. In this full-year course students extend their study of journalism as they analyze media ethics and policy, assume managerial responsibilities, create print and hypertext (on-line) editions of *The Oak Leaf*, and expand their portfolios through a concentration in one or more story genres (e.g., news, features, sports, reviews, or editorials). The students are responsible for producing *The Oak Leaf* for both print and on-line publication.

Prerequisite: Successful completion of Journalism I.

[153] Journalism III. This full-year course allows advanced journalism students to build their portfolios and editorial leadership skills in one or more specific genres or production areas. In addition, students develop their skills in electronic journalism, including writing and designing on-line publications, blogs, and other forms of new media. Students are responsible for all aspects of production of *The Oak Leaf* for both print and electronic publication.

Prerequisite: Successful completion of Journalism I and II.

[154] Journalism IV. This full-year course provides advanced journalism students the opportunity to build the portfolios and editorial leadership skills necessary for college-level publications work. In addition, students will develop advanced skills in in-depth reporting, editing and coaching, photojournalism, design, and convergence journalism, including writing and designing on-line publications, blogs, and other forms of new media. Students are responsible for all aspects of production of *The Oak Leaf* for both print and electronic publication.

Prerequisite: Successful completion of Journalism I, II and III.

[161] Fundamentals of Public Speaking. This one-semester course is designed to introduce students to the basic elements of communication, to provide practical experience in the preparation and presentation of speeches and classroom presentations, and to improve critical listening skills. Students will work together to improve their speaking, writing, and listening skills, in addition to developing confidence in public speaking.

Grades 10 - 12

[173] Introduction to Film Analysis. In this one-semester course students will learn about important people and movements in film history and development as they explore a range of filmmakers and genres. The emphasis in this course will be on learning to speak and write about film with a critical eye and with a greater attention to style and theme. In addition to learning important terms related to filmmaking, students will complete a written assignment for each movie. These assignments will include critical essays, movie reviews, and creative stories inspired by films.

Grades 11 - 12

MATHEMATICS DEPARTMENT REQUIRED COURSES

CHAIR: MR. RICK DAVIS

Students will be placed into Geometry or Honors Geometry and Algebra II or Honors Algebra II/Trig based on their performance and experience in previous math courses.

Algebra I. This course covers all fundamental concepts of Algebra from a review of the use of variables in the basic operations of multiplication, division, addition, and subtraction to multiplication and factoring of polynomials, and solving quadratic equations and linear systems.

Geometry. Algebraic skills, geometric models, coordinate geometry, and hands-on activities are used throughout the course. Formal proof is utilized to enhance the development of students' two and three dimensional reasoning and problem-solving skills.

Algebra II. This course includes the review and extension of the essential content of first year Algebra and introduces students to advanced algebraic topics such as analytic geometry and logarithms. The graphic calculator is utilized throughout the course to facilitate understanding. **This course is also available for credit through the NCS summer school program. Please visit www.norfolkcollegiate.org for details.**

MATHEMATICS DEPARTMENT ELECTIVES

[262] Algebra III. [First Semester] This one-semester course will reinforce and expand many Algebra II topics and introduce additional mathematical concepts using real world applications and a graphing calculator. Topics include linear, quadratic, polynomial, exponential, and logarithmic functions and matrices. Successful completion of this course and Trigonometry should prepare students for College Algebra or Pre-Calculus.

Prerequisite: Completion of Algebra II. This course is not open to students who have completed College Algebra or Pre-Calculus.

Grades 11 - 12

[268] Trigonometry. [Second Semester] This one-semester course explores right triangles and trigonometric relationships and their graphs. Emphasis is placed on applications and the use of the graphic calculator as a discovery tool. Successful completion of this course and Algebra III should prepare students for College Algebra or Pre-Calculus.

Prerequisite: Minimum 78 average in Algebra II. The course is not available to students who have completed Pre-Calculus.

Grades 11 - 12

[266] College Algebra. This full-year course examines algebraic functions, the graphing of functions, problem solving, probability, basic trigonometry, and sequences and series. The graphic calculator is utilized to help students develop the algebraic and graphic skills needed to prepare students for Pre-Calculus.

Prerequisite: Completion of Algebra II/Trig or Algebra III or 92 average in Algebra II. This course is not open to students who have taken Pre-Calculus.

Grades 10 - 12

[277] Introduction to Probability and Statistics. This basic statistic course is a year-long course that allows students to examine probability and statistics through hands-on application. Students will use graphic calculators to explore data distributions, probability and relationships of data. This course will help prepare students for a college-level statistics course and is designed primarily for seniors.

Prerequisite: Algebra II.

Grade 12

[279] Statistics - Advanced Placement. Throughout this year-long course, students will use graphing calculators and computer output to explore data distribution and relationships. They will design experiments that apply probability and statistical concepts. Statistical inference is stressed during the last half of the course in preparation for the required AP exam.

Prerequisite: Minimum 88 average in Algebra II

Grades 11 - 12

[270] Pre-Calculus. This full-year course examines trigonometric concepts, analytic geometry, algebraic functions, probability, and sequences and series. The course brings together all the skills necessary for the study of Calculus and the graphic calculator is utilized to help students develop the algebraic and graphic skills needed in Calculus.

Prerequisite: Minimum 86 average in Algebra II/Trig and permission of the instructor, 92 average in Trigonometry, or 86 average in College Algebra.

Grades 10 – 12

[271] Introduction to Calculus. This full-year course prepares students for a calculus course, emphasizing trigonometry, pre-calculus limits, derivatives, and finite sums. Students should take this course in preparation for AP Calculus or Calculus I in college. Eligible juniors are strongly encouraged to take this course to maximize the benefit of AP Calculus in their senior year.

Prerequisite: Successful completion of Pre-Calculus with a minimum average of 84 or College Algebra with an average of 90.

Grades 10 – 12

[269] Calculus AB - Advanced Placement. This full-year course explores differential and integral calculus with the use of the graphing calculator to aid in mathematical analysis. The course explores all topics found in a typical college Calculus I course as well as covering all the topics required in the AP Calculus curriculum. In addition, students work to prepare for the required AP exam in May.

Prerequisite: Seniors with a minimum of 88 average in Pre-Calculus or an 84 average in Introduction to Calculus. All Juniors considering this course must discuss their academic plan with the Department Chair. Juniors should take Introduction to Calculus in preparation for this course, but may be considered for a waiver with an average of at least 92 in Pre-Calculus.

Grades 11 - 12

SOCIAL STUDIES DEPARTMENT REQUIRED COURSES

CHAIR: MRS. PAIGE SOLOMON

9th Grade Ancient & Medieval World History. This full-year course for ninth graders traces the growth of civilization from its roots in the early river valley settlements to the dawn of the Renaissance and the Age of Exploration. We will examine belief systems, ways of life, governmental structures, art, architecture, and innovations in Asia, Africa, Europe and the Americas. We will not just study history, but also get involved in it through hands-on activities. We will hone research, interpretation, and presentation skills, and analyze history to find connections among regions, as well as between time periods.

11th Grade United States History. This course includes a brief overview of major events, eras, and personalities of Virginia and United States history from the founding of the nation to the post 9/11 world. Events are organized chronologically to study the forces that shaped and continue to shape political, economic, and social institutions. Changes in social and cultural values are included as well as the impact of growing international involvement and commitments. The growth of the arts, literature, social reform movements, the extension of civil rights, the labor movement, and the growth of government are examined. Emphasis is given to critical thinking and the ability to make sound judgments about the worth of ideas.

12th Grade United States Government. This course is designed to promote civic awareness and responsibility, introduce the institutions through which the national government functions, to examine the principal processes through which public policy is conceived and established, and to examine the basic structure and theories of the American economic system. Major topics include the Constitutional underpinnings of democracy and federalism in the United States, the nature of governing bodies, civil rights and civil liberties, current domestic and foreign policy concerns of the United States, and the relationship between democracy and the free enterprise system. The primary objective is to equip students with the knowledge and critical insight necessary to contribute to our democracy and to maintain intellectual respect for other forms of government.

SOCIAL STUDIES DEPARTMENT ELECTIVES

[340] Modern World History. This full-year course will provide an in-depth study of the history, politics, economics, religion, and culture of the world from the Renaissance to the present. Emphasis will be placed on writing and critical thinking skills. An important component of the course will involve the integration of technology in simulations, virtual field trips, and research. Students will continue to analyze connections between and among geographic regions and time periods.

Grades 10-12

[388] European History - Advanced Placement. This course examines the evolution of European society and political structures, intellectual movements, and technologies over time. European involvement in world developments is another important focus. Although overarching themes and fundamental questions guide the class, the basic framework is set chronologically from 1350 to present. Themes of the course are intellectual and cultural history, political and diplomatic history, and social and economic history. AP European History involves a good deal of writing, document analysis, interpretation of artwork, and an introduction to historiography. The main text will be supplemented with additional primary and secondary readings. All students will take the AP exam in May.

Prerequisite: Student should have earned 90 or above in previous history and English classes.
Grades 10 - 12

[379] World History - Advanced Placement. This course invites students to take a global view of historical processes and contacts between different societies and over time. The themes of interaction between humans and the environment, development and interaction of cultures, state-building and conflict, creation and interaction of economic systems, and the development and transformation of social structures link the time periods together. We will develop analytical and evaluative thinking skills and explore techniques used to interpret primary and secondary sources. Additionally, we will delve into some of the major topics of debate among historians. The basic framework of the course will be set out chronologically, though overarching themes and fundamental questions will guide us. Upon completion of the course, all students will be required to take the AP exam in May.

Prerequisite: Final average of 90 or higher in previous history and English courses.
Grades 10 – 12

[373] Human Geography – Advanced Placement. This course is the equivalent of a college level course in human or cultural geography. The central theme is the tension between globalization and cultural diversity. In order to understand this we ask the two simple questions of “where” and “why” while studying migration, human population, religion, agriculture, ethnicity, language, industry, urbanization, and natural resources. The goal is to understand critically the interconnections between the students’ lives and those of people in different parts of the world while preparing for the Advanced Placement Exam in May. This course is reading and writing intensive.

Prerequisite: 90 or above in previous history and English classes.

[369] United States History - Advanced Placement. American history not for the faint of heart! This fast-paced and reading-intensive course is designed to provide students with analytical skills and factual knowledge necessary to deal critically with the problems and events in American history from the era of discovery to the present. The class prepares students for advanced college courses by making demands upon them equivalent to those of a full-year introductory college course. Students use a college text as well as supplemental materials. Students will interpret primary sources and write document-based essays on a regular basis. Upon completion of the course, all students will be required to take the AP exam in May.

Prerequisite: Final average of 88 or higher in previous history and English courses.
Grade 11

[389] United States Government and Politics - Advanced Placement. This course focuses on the U.S. constitutional system based on an understanding of philosophy, political parties, interest groups, mass media, political beliefs and behaviors, national institutions, and policy making processes. We examine topics in American Government using an interactive approach that will involve panel discussions, simulations of congressional hearings, the budget process, nomination of federal judges, current events, the writing of legislation, media analysis as well as lecture. All students will be required to take the AP exam in May.

Prerequisite: Final average of 88 or higher in previous history and English courses.

Grade 12

[368] Latin American History. This course will introduce students to the cultures of Latin America from the Pre-Colombian Era to the present in a geographical and historical context. Through a chronological approach, students will track major events in an effort to comprehend their significance and consequence. This will enable students to study the modern political climate of Latin American nations, as it has emerged from the region's turbulent past. The economic relationship between Latin America, Europe, and the United States will also be explored as students learn about the Colonial and Neo-Colonial Eras and their present-day legacies. The course will also highlight issues surrounding the questions of race, gender, and indigenous struggle, as they emerged over the course of the five centuries that followed the conquest of the region.

This course is open to students in grade 11 - 12.

[356] Psychology. The purpose of this one-semester course is to introduce students to the study of behavior and mental processes of humans. Psychology seeks to understand why we think, feel, and behave as we do. Topics covered will include research methods, the biology of behavior, sensation and perception, learning, memory, cognition, life-span development, personality, abnormal behavior and its therapies, and social behavior.

Grades 11 - 12

[362] Economics. This one-semester course will introduce students to the concept of supply and demand, money and banking, the Stock Market, inflation, unemployment, competition, and monopoly. The course will also relate history and politics to the study of economics.

Grades 11 - 12

[365] American Political Process [First Semester] This one-semester course will emphasize the national political system and its impact on the Federal government. Students will analyze the foundations of the political parties, the nomination process, voter demographics, and electoral/election strategies. Assessment will include position papers, tests, quizzes, presentations, and class participation.

Grades 11 - 12

HEALTH & PHYSICAL EDUCATION DEPARTMENT

Health and Physical Education 9 (Required Course)

Grade 9 Health and Physical Education consists of two quarters of structured Physical Education centered on the development of a long term healthy lifestyle. In addition, each student will complete one quarter of First Aid, CPR and AED training along with weight training. A fourth quarter of Family Life and Nutrition will complete the 9th grade curriculum.

Personal Fitness

This quarter-long course provides a hands-on approach to personal fitness, exercise, and body image. Students will be able to assess their individual needs, understand how the body uses food for nutrition, and develop a complete individualized wellness plan for a healthier lifestyle. A variety of units will be covered to encompass the total well-being of each student including:

Personal Assessment/Goal Setting, Body Composition/Weight Control/Food Usage, Cardiovascular Fitness, Muscular Strength/Endurance Fitness, Flexibility Exercises, and a Culminating Personal Plan Project.

First Aid, CPR, and Weight Training

This course is taught in three week increments. The First Aid and CPR unit follows American Red Cross standards. Students will learn the proper techniques to identify emergencies and respond to them. Students will work with rescue manikins to practice proper technique and form. Students will become familiar with what signs to look for and how to become the critical link between the injured/ill and the emergency medical response that could be the difference in the person's survival. The second three weeks includes an introduction to weight training. Using the weight room at school, students will be taught weight lifting philosophies, safety and programs that help build muscle flexibility, strength and endurance. The final three weeks is a recreational unit devoted to the game of pickle ball. Pickle ball is a hybrid game that incorporates tennis and ping pong skills. Students will be taught the skills that will help them enjoy this game, in school and beyond.

Family Life and Nutrition

This course will focus on multiple aspects of healthy living for the teen years and beyond. In a nine week period, the students will study how self-esteem and values impact decision making. They will discuss the physical changes of adolescence and reproductive anatomy. Sexually transmitted diseases and pregnancy will also be covered with an emphasis on abstinence. Additionally, students will have discussions about making appropriate nutritional choices, nutritional requirements for different age groups, body image and deciphering nutritional labels. There will be several tests and projects to evaluate understanding of the concepts.

Health and Physical Education 10 (Required Course)

Grade 10 Health and Physical Education consists of three separate trimesters (12 weeks each) instead of the traditional 4 quarters. Within each trimester, students will be offered a series of electives to choose from in order to earn Health and Physical Education credit. Driver's Education will be offered in each of the 12 week periods along with other electives. Any 10th grade student participating on a varsity team may enroll in a proctored study hall during the school day in lieu of a Health/PE class during one of the three trimesters.

Possible electives include but are not limited to:

Driver's Education, Weight Training, Fitness/Nutrition, Recreational Games, Team Sports, Bowling, Fishing, Sports Medicine, Yoga

COMMUNICATION ARTS DEPARTMENT

CHAIR: MRS. CHARLENE LOOPE

[854] Computer Applications. [First Semester] This one-semester course is designed to meet the computer requirements for graduation and to ensure basic computer and information literacy. The main objectives of the course are to provide the student with a basic understanding of computers, peripheral equipment, and related software; to digital presentation skills; and to provide basic understanding of the use of technology for productivity and creativity. Course work will focus on the correct use and integration of all Microsoft Office applications and the generalization of those skills to other platforms and operating systems.

Grades 9 - 12

[738] Graphic Arts. [First Semester and Second Semester] This one-semester course explores the theory of creative visual communication. Students will practice the principles of layout and design, and the effective use of illustration and photography. The course will include the use of a variety of design and image related hardware and software. The course is project based and the final assessment is a portfolio.

Prerequisites: Successful completion of the Middle School computer studies program or completion of the Computer Applications course or successful completion of the Computer Competency exam.

Grades 10 - 12

[858] Computer Animation. [First Semester and Second Semester] This one-semester course explores the use of animation software to produce three dimensional computer animations. This involves the creation of 3-D objects for which digital skeletons are built and movements are assigned in a sequential time line to move objects through digital scenes. Skills developed include working with software, within three axes X, Y and Z, in a 3-D perspective, to produce objects and movement. The course is project based and the final assessment is a portfolio.

Prerequisites: Successful completion of the Middle School computer studies program or completion of the Computer Applications course or successful completion of the Computer Competency exam.

Grades 10 - 12

[851] Desktop Publishing. [First Semester] This one-semester course is designed to provide students with the basic use and application of desktop publishing concepts and skills. Students will publish documents using word processing and desktop publishing programs: including MS Word, MS Publisher, and Paint Shop Pro. Students will gain hands-on experience by creating documents for use in their classes and school related activities.

Prerequisites: Successful completion of the Middle School computer studies program or completion of the Computer Applications course or successful completion of the Computer Competency exam.

Grades 9 - 12

[855] Computer Aided Design. [Second Semester] This one-semester course is designed for students interested in computer aided drawing. Students will study the creation process of drawings and sketches of buildings, maps, architectural plans, and other related designs. Students will gain experience with both two and three dimensional drawings.

Prerequisites: Successful completion of the Middle School computer studies program or completion of the Computers Application course or successful completion of the Computer Competency exam.

Grades 9 - 12

[169] Introduction to Digital Filmmaking. [First Semester] This one-semester course is designed to provide students with a basic introduction to digital video production. Students will develop critical viewing skills and written, visual, and oral communication skills. The course work relies heavily on collaborative efforts among students. Assignments will include but are not limited to scavenger hunts, creating music videos, and developing a 10 minute documentary. Students will learn to use movie editing software. The class size is limited to maximize the ability for small group projects.

Prerequisites: Successful completion of the Middle School computer studies program or completion of the Computer Applications course or successful completion of the Computer Competency exam.

Grades 10 - 12

[159] Digital Filmmaking II. [Second Semester] This one-semester course is an intermediate course on the process and aesthetics of cinematography in digital filmmaking designed to improve student's written, visual, and oral communication skills. Topics covered will include techniques in lighting and sound for the camera, continuity, editing, composition and camera angles. The course is designed for highly motivated students interested in refining their skills in filmmaking. Considerable time may be spent outside the formal classroom on location settings. Students will develop and complete a 20-minute documentary, a drama, and several other projects from pre-production stages through post-production stages. Each student will develop a portfolio of his or her work. The class size is limited to increase individual hands-on camera time.

Prerequisites: Successful completion of the Middle School computer studies program or completion of the Computer Applications course or successful completion of the Computer Competency exam AND successful completion of the Introduction to Videography course.
Grades 10 - 12

[151] Journalism I. In this full-year course students learn how to identify and report news; write news, features, sports, editorials, and in-depth stories; use correct Associated Press style; and design and lay out the school newspaper, *The Oak Leaf*. Students are responsible for producing *The Oak Leaf* as they compile individual writing portfolios.
Grades 9 - 12

[152] Journalism II. In this full-year course students extend their study of journalism as they analyze media ethics and policy, assume managerial responsibilities, create print and hypertext (on-line) editions of *The Oak Leaf*, and expand their portfolios through a concentration in one or more story genres (e.g., news, features, sports, reviews, or editorials). The students are responsible for producing *The Oak Leaf* for both print and on-line publication.

Prerequisite: Successful completion of Journalism I.

[153] Journalism III. This full-year course allows advanced journalism students to build their portfolios and editorial leadership skills in one or more specific genres or production areas. In addition, students develop their skills in electronic journalism, including writing and designing on-line publications, blogs, and other forms of new media. Students are responsible for all aspects of production of *The Oak Leaf* for both print and electronic publication.

Prerequisite: Successful completion of Journalism I and II.

[154] Journalism IV. This full-year course provides advanced journalism students the opportunity to build the portfolios and editorial leadership skills necessary for college-level publications work. In addition, students will develop advanced skills in in-depth reporting, editing and coaching, photojournalism, design, and convergence journalism, including writing and designing on-line publications, blogs, and other forms of new media. Students are responsible for all aspects of production of *The Oak Leaf* for both print and electronic publication.

Prerequisite: Successful completion of Journalism I, II and III.

[161] Fundamentals of Public Speaking. This one-semester course is designed to introduce students to the basic elements of communication, to provide practical experience in the preparation and presentation of speeches and classroom presentations, and to improve critical listening skills. Students will work together to improve their speaking, writing, and listening skills, in addition to developing confidence in public speaking.

Grades 10 - 12

[173] Introduction to Film Analysis. In this one-semester course students will learn about important people and movements in film history and development as they explore a range of filmmakers and genres. The emphasis in this course will be on learning to speak and write about film with a critical eye and with a greater attention to style and theme. In addition to learning important terms related to filmmaking, students will complete a written assignment for each movie. These assignments will include critical essays, movie reviews, and creative stories inspired by films.

Grades 11 - 12

FINE ARTS DEPARTMENT ELECTIVES

CHAIR: MRS. NANCE CORRIVEAU

[751] Art Foundations. In this full-year introductory art class students will explore the fundamental concepts of art. Students will use a wide range of media and techniques that will transform how they see and think. This course will begin students on their path to understanding the language used by artists and designers, develop new abilities using a broad range of media, and forge new ideas.

Grades 9 – 12

[752] Art II. In this full-year advanced course, artists will expand on their knowledge gained from Art Foundations by exploring new and different techniques. Through the execution of a broad range of projects, using a variety of media and techniques, students in this course will continue their study of the elements and principles as they apply to design. This course will provide students with a deeper studio foundation that builds visual, conceptual and creative abilities.

Prerequisite: Art Foundations

Grades 10 – 12

[753] Drawing. [First Semester] This one-semester advanced studio course teaches students basic skills and techniques in drawing from direct observation. The primary goals are to learn to judge proportion and to depict those observations in drawings that demonstrate an understanding of depth, form and space. Verbal skills are developed through critique and class discussion.

Prerequisite: Art Foundations

Grades 10 - 12

[748] Pottery I. [First Semester] This one-semester, advanced studio course allows students to explore pottery, sculpture, and mixed media with clay. Students will become potters with both thrown vessels and hand-built clay items.

Prerequisite: Art Foundations.

Grades 10 – 12

[749] Advanced Pottery. [Second Semester] This one-semester studio course is a continuation of the concepts begun in Pottery I. Students will investigate in greater depth the varying techniques associated with the sculptural aspects of clay.

Prerequisite: Pottery I

[757] Painting. [Second Semester] This one-semester advanced studio course provides budding artists with a foundation in the practices and materials associated with painting, and prepares them to work in oil and water based media. Working from direct observation, students will develop an understanding of formal concerns as well as paint manipulation to produce strong representational paintings.

Prerequisite: Art Foundations.

Grades 10 - 12

[770] Yearbook Production. The production of the school's yearbook *The Acorn* is the primary goal of this year-long art elective. Students will learn design theory and conceive of and execute concepts. Students will understand the "language" of yearbooks: layout design, digital imaging, Photoshop and InDesign as well as explore photographic techniques.

Prerequisite: Application and Permission of instructor.

Grades 11 – 12

[740] Photography. During this full-year course, students will explore photography as a means of visual expression. They will study the organizing ideas of composition, including balance, emphasis, unity, variety, pattern, movement, proportion and rhythm. Students will learn to see photographically through an exploration of the basic tools and techniques of digital photography. The course will emphasize the creative use of camera controls, exposure, and digital imaging software.

Prerequisite: Art Foundations

Grades 10 – 12

SCIENCE DEPARTMENT REQUIRED COURSES

CHAIR: MRS. ADRIENNE WARREN

Biology. In this full-year course, students will discover the major principles of biology and explore the aspects of life on earth. The students will be introduced to biochemistry and will learn about cell biology, genetics, development, evolution, classification, biological diversity and ecology. Using technology, students will discover how microbiology has influenced on-going research. Classes will include hands-on activities and laboratory investigations that will stimulate curiosity about living things, life processes and medical breakthroughs. Through inquiry and laboratory investigations students will continue to strengthen their lab skills and techniques.

Grades 9 - 12

Chemistry. In this full-year course, students will examine the full range of concepts in introductory chemistry, a fundamental science. Topics include: the relationship between matter and energy; the basic principles behind atomic structure theories; the myriad of information contained in the periodic table; the forming and naming of ionic and covalent compounds; writing, balancing, and using chemical equations; the wealth of information contained in the chemical equation and its application to real world situations; properties of matter; and acids and bases. Laboratories and demonstrations will be used to reinforce chemical concepts.

Prerequisite: Successful completion of Biology

Grades 10 – 12

This course is also available for credit through the NCS summer school program. Please visit www.norfolkcollegiate.org for details.

SCIENCE DEPARTMENT ELECTIVES

The following courses are upper-level science electives with rigorous pacing and content. These courses are intended for juniors and seniors who have completed the Biology and Chemistry requirements.

***Any underclassmen wishing to sign up for an upper level elective must apply for a waiver through the science department chair.*

[470] Physics. Physics is a fundamental science; its concepts are applicable to interactions in all areas of a student's life. This is a full-year laboratory course, in which students will examine the elementary laws governing our universe. A strong understanding of the concepts underlying natural processes will enhance the way students interpret the world around them. Topics to be covered include mechanics (Newton's Laws, energy and gravity), properties of matter, sound, light, electricity and magnetism, and atomic and nuclear physics. Labs are designed to enhance students' understanding of these concepts.

Prerequisites: Successful completion of Biology and Chemistry, with a final grade of 84 or higher in Algebra II

[471] Geophysical Science. Geophysical Science is a year-long, college preparatory laboratory course that explores the Earth's dynamic systems in terms of its energy, air, water, weather, climate, tectonics, landforms, rocks, soils, plants, ecosystems, and geologic processes. Emphasis will be on the interrelationships between these systems and will be illustrated by present-day processes, natural disasters, and by an intensive unit on the Age of the Dinosaurs. This course will also explore the role of human agency in interacting with these fundamental processes.

Prerequisite: Successful completion of Biology

[455] Human Anatomy and Physiology. This full-year course gives students an in-depth look at human anatomy and physiology and its application to their lives and general health. Students will participate in laboratory activities, including dissections, in order to learn the locations of body parts and how the cells, tissues and organs of each body system work together. This course is applicable to the life of every student.

Prerequisites: Successful completion of Biology and Chemistry

[472] Forensic Science. This full-year course will familiarize students with the basic principles and uses of forensic science in our justice system. Forensic science involves the collection, examination, evaluation and interpretation of evidence. Students will be able to describe the methodologies of the different forensic investigations and will examine appropriate case studies. This field is multidisciplinary, encompassing the biological, physical, chemical, medical and behavioral sciences.

Prerequisites: Successful completion of Biology and Chemistry

[454] Marine Biology. This full-year course begins with an introduction to theories describing how the oceans were created, continents drifted and how the sea floor spread. Students will use technology to study how chemical variations can affect the organisms living within a marine habitat. Relationships and interactions among marine organisms will be explored and discussed along with specific adaptations to the marine environment. Students are required to attend and participate in several field study assignments involving the restoration of sea grasses and oysters. The discussions and lab activities will actively involve students in thinking about how marine organisms respond to the changing environment in order to survive.

Prerequisites: Successful completion of Biology and Chemistry

[479] Biology - Advanced Placement. AP Biology is a full-year, two-period course. This course "aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology" (College Board). The course includes a variety of class activities including: teacher led discussions, student led discussions, student presentations, and team presentations. Twelve mandatory laboratory investigations will be conducted and critical writing skills will be developed. This course will prepare students for the required AP Biology examination and for the rigors of college courses. (2 Credits)

Prerequisites: A final grade of 90 or higher in Biology and Chemistry or permission of department through the waiver process

[489] Chemistry - Advanced Placement. AP Chemistry is a full-year, two-class period course. This course is intensely math based and covers in more detail concepts learned in chemistry as well as a multitude of new concepts. These new concepts will include: kinetics, acid-base equilibrium, solubility equilibrium, thermodynamics, electrochemistry and nuclear chemistry. Students will use both theoretical and applied problem solving throughout the year. The laboratory provides conceptual reinforcement as well as an opportunity to learn how to conduct both qualitative and quantitative experiments properly. This course will prepare the student for the required AP Chemistry examination. (2 Credits)

Prerequisites: A final grade of 90 or higher in Chemistry or permission of the department through the waiver process

[469] Environmental Science – Advanced Placement. This full-year course is the equivalent of a college level laboratory course in environmental science. It is an interdisciplinary study of how the earth works, how we interact with the earth, and how we can deal with the environmental problems we face. The topics to be covered include: population ecology, renewable and non-renewable resources; biodiversity; agriculture; nutrition; toxic and hazardous waste; global climate change; and air and water pollution. The goal of this course is to provide students with the skills to analyze environmental problems, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The curriculum will prepare students for the required AP Environmental Science examination.

Prerequisites: A final grade of 88 or higher in Biology and Chemistry or permission of the department through the waiver process

PERFORMING ARTS DEPARTMENT ELECTIVES

CHAIR: MR. JOHN HURST

[762] Chorale. This full-year course is open to all Upper School students with permission of the instructor. This class meets daily, within the regular school schedule, performing at all major functions and occasional competition trips. Sight-singing and theory are included within the class period.

Prerequisite: Middle School Band, Strings Ensemble, Chorus or permission of instructor.

[769] Upper School Strings Ensemble. Upper School Strings Ensemble is a full-year course open to all Upper School students. Ensemble meets each Tuesday and Thursday morning before school. Instruments include violin, viola, cello and bass. Students learn various styles from Bach to the Beatles while polishing their ensemble skills and performance techniques. The class includes required performances in school and in the community throughout the year. (1/2 credit)

Prerequisite: Middle School Strings Ensemble or permission of instructor.

[761] Upper School Chorus. This group, which meets before school three days per week, performs at major functions for Norfolk Collegiate School and is included in all competition trips. The final grade for this full-year course is determined through the completion of performance objectives. As a result, class attendance is mandatory. (1/2 Credit)

Prerequisite: Permission of the instructor.

Grades 9 - 12

[760] Upper School Band. This Upper School Band meets before school and uses traditional band instruments. Students learn performance style, complex rhythms, and other advanced performance techniques. The Upper School Band performs at least three public concerts each year. Class attendance is mandatory. (1/2 credit)

Prerequisites: Performing experience of at least Grade II music and permission of instructor.

Grades 9 – 12

[780] Drama. This full-year course is open to all Upper School students. Drama class is a course designed to familiarize the student with basic acting fundamentals; basic set design and construction; and selective play readings. Grading is based upon projects including scene study, character building, and play production. Students interested in either acting or the technical aspects of play production (or both) are welcomed. This class is also a support for the entire drama program and assists in preparation for all theatre productions.

Prerequisite: Permission of instructor.

Grades 9 - 12

[786] Jazz Band. Jazz Band explores current and classic jazz band literature within the technical and musical abilities of the students. The minimum standard for the repertoire is Grade II jazz band music. Study and performance of more difficult music depends on the skill level of the students. Jazz Band performs at numerous events in and out of school each year. Each winter the Jazz Band hosts the "Blue Note" jazz café. Jazz Band is offered only when enough qualified students enroll with an acceptable instrument. (1/2 Credit)

Prerequisites: Permission of instructor, co-enrollment in Upper School Band, and previous performing experience of Grade II jazz band music. Piano, guitar and bass players are not required to take Upper School Band.

Grades 9 - 12

FOREIGN LANGUAGE DEPARTMENT

CHAIR: MRS. MICHELLE BAKEMAN

**Students with a final average below 80 in a level II language are strongly encouraged to exercise the 2 + 2 graduation requirement option.*

[551] French I. The goal of this course is to give students the basics of the French language, as well as familiarize them with some aspects of French culture. This will be done through workbook activities as well as oral assignments, listening and streaming video. Additionally, written communication will be reinforced along with correct grammar and vocabulary usage. By the end of the year students should be able to communicate in the language, ask and answer questions, describe pictures, talk about themselves, narrate in the present and, on a limited basis, in the past as well as participate in short conversations where the content involves everyday "survival" topics and courtesy requirements.

[552] French II. French II will continue in the same manner as French I. Reading, writing and speaking skills will continue to be practiced through increased classroom discussion as well as workbook activities and streaming video.

[553] French III. The students enrolling in French III should have a working knowledge of the skills introduced in French I and French II. French is spoken the majority of the time, and students are encouraged to speak in French to each other. Students will increase their ability to comprehend reading passages, and to narrate and describe. They will also be able to express their opinion, to talk about emotions, and to discuss abstract subjects. Students will write more often and develop their knowledge of French culture and institutions.

[554] French IV. Students review the main grammatical points studied in previous courses, read excerpts from a variety of original sources (texts, stories, poems, songs and theater) and listen to French speakers in authentic situations (films, CDs, streaming audio/video). They are expected to write compositions and discuss cross-cultural issues. Students will also participate in oral presentations and will also expand their knowledge of the French-speaking world.

Prerequisite: 83 or higher final average in French III or permission of the instructor.

[581] Spanish I. This first year course introduces new vocabulary within contexts related to the students' interests and activities. Approximately sixty to eighty words or expressions per chapter are introduced and stressed. Vocabulary is applied and practiced within one to two grammatical concepts per chapter. CD's, LCD Projectors, laptops, computer vocab-practices and oral exercises promote comprehension and initiate speaking practice. Written practice is provided through textbook activities, workbook activities, and original dialogues. Written and oral assignments supplement the cultural content that is introduced via live-streaming and google earth and discussed throughout the year.

[582] Spanish II. Upon completion of the course, students will have a working knowledge of all indicative tenses and the imperatives. They will have expanded their vocabulary, listening comprehension, speaking and writing ability and increased their knowledge of Hispanic culture through authentic music, foods, literature and art. Students continue to learn approximately 60 new vocabulary words per chapter. Vocabulary is taught and applied through identifiable context, enhancing their ability to assimilate and store vocabulary for long-term retention. The students' speaking ability will be assessed both formally and informally to promote communication skills. Students will write and perform original dialogues and skits using their creativity and imagination. Students will prepare themselves for the upper-level writing requirements of Spanish III.

This course is also available for credit through the NCS summer school program. Please visit www.norfolkcollegiate.org for details.

[583] Spanish III. By the end of the third year, Spanish III students will have significantly increased their vocabulary. Students will be introduced to the subjunctive mood and will be able to distinguish between the subjunctive, indicative and imperative moods and employ them appropriately. They will be able to manipulate all verbs in all tenses and apply them correctly. Students will greatly improve their reading, writing and speaking skills. The students will write short essays comparing and contrasting cultural themes and literary works based on excerpts from Latin American and Spanish authors. They will also be able to communicate more freely in Spanish in ordinary situations and will have begun to analyze literature and film at a superficial level.

[586] Spanish IV. In this course, students will increase their vocabulary, gain fluency in speaking, listening, reading and writing, and will practice using more complex grammar structures. Students will demonstrate their writing ability through creative writing assignments and formal essays. Their knowledge of Hispanic literature will grow through reading and analyzing literary masters from Spain and Latin America, and they will be exposed to Spanish and Latin American music and film. Highly qualified students may take the Advanced Placement Spanish Language Exam in May.

Prerequisite: 83 or higher final average in Spanish III or permission of the instructor.

[584] Spanish V/AP Spanish Language. This course is centered on themes designed to help the student's Spanish language skills at the advanced level. Students will consolidate skills of narration, description, exposition, and hypothesis. Emphasis is placed on the mastery of grammar, syntax, and idiomatic expression at sophisticated levels. Students will engage in readings (literature, newspapers, and periodicals), conversation, composition, and research projects. They will also watch a series of videos from different countries about a variety of topics ranging from magical realism to street life in Spain. Students will frequently be asked to converse about these and other topics in class with little or no preparation, in an effort to better their speaking skills. Objectives of this course include: the ability to understand the spoken language both formally and in conversation; the ability to speak accurately and fluently using appropriate pronunciation and intonation; the grasp of vocabulary and language structure that enables the students to read newspaper and magazine articles as well as contemporary literature with ease; and the ability to express ideas accurately and fluently in writing.

Students who are registered for AP Spanish Language V are required to take the AP exam in May. Students who are registered for Spanish V (non-AP) have the option of taking the AP exam. Different assessment criteria will apply for the two groups.

Prerequisite: 83 or higher final average in Spanish IV or permission of the instructor for Spanish V; 90 or higher for AP Spanish V.

[588] Spanish VI - Literature

This advanced Spanish course seeks to provide students with a more in-depth look at the literature from Spain, Central and South America. In addition to poetry and essays, students will read longer works, ranging from short stories to plays. This course will introduce students to the Spanish cinema and will enlighten them to the Spanish cultural climate of the Post-Franco era. Topics of discussion will include Spanish history as it relates to literature and film genre. The course will provide upper-level students with the opportunity to continue to improve their language skills.

Prerequisite: 83 or higher final average in Spanish V or permission of the instructor.

[511] Chinese I. This first-year course is designed to introduce students to the Mandarin language and Chinese customs and culture. Through the course of the year, students will develop basic listening, speaking, reading and writing abilities in Mandarin Chinese. A majority of class time will be devoted to listening and speaking while also providing time for students to practice writing radicals, the building blocks of Chinese characters, and the characters themselves.

[541] Latin I. The first year of Latin emphasizes vocabulary, word families, translation of Latin into English, comparative grammar, and Classical mythology. By year's end, the student will be able to translate Latin texts of reasonable complexity. Some Roman legends and basic Roman history of the Monarchy and the Republic will also be covered. Classical mythology units cover basic myths and mythic cycles of the Greeks and Romans. Cultural data will include clothing, food, housing, transportation, games, and pastimes, Roman geography, and the Western traditions passed to us from Rome.

[542] Latin II. The second year of Latin continues the pattern begun in the first, with an emphasis on vocabulary growth, translation skills, and forms recognition. Grammar and syntax are emphasized as an aid to correct translation, with continued use of the comparative grammar method. Word family recognition is expanded and literary and rhetorical devices found in Roman prose are covered. The parallels between modern American and ancient Roman societies are expanded, and Roman history from its start to the downfall of Rome is covered. Some review of Roman legend and classical mythology is included as we begin the study of authentic Latin texts.

[543] Latin III. The third year of Latin continues the accelerated pace of the second year. The third year is designed to increase the student's ability to translate Classical Latin into English by augmenting the vocabulary and understanding of the more complex grammatical structures. Students will prepare written translations of select portions of the works read. Oral translations in class will be stressed. At least one major project, which requires independent research and source documentation. By year's end, the student will have greatly improved and enhanced his or her ability to translate Classical Latin, and the student will have gained a much greater understanding of the contributions of Roman society to western civilization.

Prerequisite: Final average of 88 or above in Latin II.

[545] Advanced Placement Latin: Vergil and Caesar. This course will cover the AP Latin syllabus which focuses on Vergil's *Aeneid* and selections from Caesar's Gallic War. The emphasis is on accurate and informed reading of the two works. This course prepares the students for the required AP exam in May.

Prerequisite: Final average of 90 or above in Latin III with a 90 or higher.