

Overview of High School Curriculum

Educational Philosophy

The High School program at Christ Chapel Academy provides a unique environment for the teenager in which he/she can obtain the academic and practical skills that he/she will need to succeed in the adult world while allowing him/her to develop and affirm his/her relationship with Christ. Designed for 9th through 12th graders who desire to pursue their education at a post-secondary level, the curriculum is uniquely integrated with a Christian worldview. Degreed and certified teachers, all born again Christians, model Christ as they daily interact with students inside and outside the classroom setting. The administration of the Academy has carefully chosen materials that will actively involve students in learning and encourage them to develop the higher level thinking skills of reasoning, critical thinking, and problem solving. High School at Christ Chapel Academy is designed to develop and encourage the future Christian leaders of the 21st century.

Graduation Requirements

General Studies Diploma	24 Credits
Advanced Studies Diploma	29 Credits

College Credits – “Getting a Step Ahead”

Incorporated into each high school student’s program will be the opportunity to earn twenty-one college credits, with the potential for him/her to earn up to as Associates of Arts Degree. Each high school student in grades 10-12th has the opportunity to be simultaneously enrolled in the Academy and Northern Virginia Community College (NOVA). Classes are taught during the school day by certified instructors.

BIBLE

The Life of Christ (1 Credit) (Non-college credit) Author: Robert Girard, Larry Richards

A comprehensive study of the four Gospels (Matthew, Mark, Luke, and John) including the background and authorship of each book and its particular content and orientation. The life and ministry of Christ is studied with particular emphasis on the parables of Jesus with various interpretative approaches.

Survey of the Old Testament (10th Grade – First semester) (1/2 credit)

Author: Andrew Hill, John Walton

This course will provide a study of the nature, contents and history of the Old Testament, and an overview of its background and key themes. These themes are examined both from within their own contexts and from the perspective of their New Testament fulfillment. In this course, the student will explore the collection of ancient books we call the Old Testament and will seek to gain a working knowledge of the main sources of our understanding of Judaism and the roots of the Christian faith.

Survey of the New Testament (10th Grade – Second semester) (1/2 credit) Author: Robert Gundry

This course will provide a study of the nature, contents and history of the New Testament, with background study in the inter-testament period. In this course, the student will explore the collection of ancient books we call the New Testament and will seek to gain a working knowledge of the historical and theological roots of the Christian faith.

Introduction to Religion (10th Grade – First semester) (1/2 credit) (NOVA Dual-Enrollment 3 Credits) Editor: Paul O. Myhre.

To introduce the student to the general terminology, the recurring themes, and issues common to the religious outlook. To examine basic ideas common to all religions. To look carefully at the religious experience itself from a variety of perspectives.

World Religions I (10th Grade – Second semester) (1/2 credit) (NOVA Dual-Enrollment 3 Credits) Editor: Jacob Neusner.

To introduce the student to the origins, teachings, organization, and practices of 12 of the most practices to include Eastern religious traditions (Hinduism, Jainism, Buddhism, Sikhism, Daoism and Confucianism, Shinto) with an emphasis of their role in motivating, shaping and inspiring their adherents through myths, rituals, symbols, ethical codes and religious experiences, and to examine the varied issues, problems and concerns of the religions studied.

Developing a Christian Worldview (11th Grade) (1 credit) Gospel Publishing House

This course will help the students to examine their belief structure and find the value of living out a Christian life. Students will examine the different cultures and religions and understand the structures of each major religion and how it relates to Christianity.

Christian Philosophy (12th Grade) (1/2 credit for DE or CP) (NOVA Dual-Enrollment 3 Credits) Wiley-Blackwell Publishing

A survey of the fundamentals of philosophy, including essential terminology, and major thinkers. An overview of metaphysics, epistemology, deductive and inductive logic, ethics and philosophy of religion. The course will also provide the fundamentals of a Christian perspective on philosophy, philosophical theological concepts, and apologetics.

World Religions II (12th Grade – Second semester) (1/2 credit) (NOVA Dual-Enrollment 3 Credits) Editor: Jacob Neusner.

To introduce the student to the history, teachings, organization, and practices of Western religious traditions (Judaism, Christianity and Islam) with an emphasis of their role in motivating, shaping and inspiring their adherents through myths, rituals, symbols, ethical codes and religious experiences, and to examine the varied issues, problems and concerns of the religions studied.

Apologetics (12th Grade) (1/2 credit)

This course will seek to formulate the rational basis for believing in Christian theism, with responses to objections and critiques of competing worldviews. Apologetics is the study of how to give reasons for our Christian hope (1 Pet 3:15). To be able to give a reason for why and what each student believes.

ENGLISH/LANGUAGE ARTS/LITERATURE CURRICULUM

The Christ Chapel Academy English Department develops the critical thinking skills of the student through extensive critical literary reading, analysis, and discussion and offers a comprehensive program designed to develop each student's skills in grammar, writing, vocabulary, and critical reading. Particular emphasis is placed on varied and frequent writing.

English I (1 credit) Pearson/Prentice Hall

This course emphasizes writing, vocabulary, and critical reading. The writing portion of the course includes narrative, expository, descriptive, persuasive, and reflective writing. Additionally, writing for assessment (e.g. the SAT) will be included. Students will engage in the writing process: prewriting, drafting, revising, proofreading, and publishing. Students will apply knowledge of literary terms and develop critical thinking and analysis skills through the study of literature: short stories, poetry, novels, and nonfiction. Students will read one Shakespeare play and a selection from ancient classic literature. **(Prerequisite: Completion of Introductory English with "C" or above, completion of Basic English with "C" or above. New students must pass a written exam to enter this class.)**

English II (1 credit) Pearson/Prentice Hall

This course emphasizes writing, vocabulary, and critical reading. The writing portion of the course includes narrative, expository, descriptive, persuasive, and reflective writing. Additionally, writing for assessment (e.g. the SAT) will be included. Students will apply advanced knowledge of literary terms and reinforce critical thinking and analysis skills through the study of literature: short stories, poetry, novels, and nonfiction. Students will read at least one Shakespeare play and at least one selection from ancient literature. (*Prerequisite: Successful completion of English I. New students must pass a written exam to enter this class.*)

English III (1 credit) Pearson/Prentice Hall

This course emphasizes American literature and the themes that reflect American history and culture. Students will continue to apply advanced knowledge of literary terms and reinforce critical thinking and analysis skills through reading and writing about American literature. Students will read a least one Shakespeare play and at least one selection from classic literature. The writing portion of the course includes narrative, expository, descriptive, persuasive, and reflective writing with particular emphasis on advanced sentence structure and vocabulary usage. Additionally, writing for assessment (e.g. the SAT) and research paper writing will be included. (*Prerequisite: Successful completion of English II. New students must pass a written exam to enter this class.*)

English IV (1 credit) Pearson/Prentice Hall

This course emphasizes British literature. Students will continue to advance their knowledge of literary terms and reinforce critical thinking and analysis skills through reading and writing about British literature. Students will read at least one Shakespeare play and at least one selection from classic literature. The writing portion of the course includes expository and informational writing with particular emphasis on collegiate-level sentence structure and vocabulary usage. Additionally, writing for assessment (e.g. the SAT) and research paper writing will be included. (*Prerequisite: Successful completion of English III. New students must pass a written exam to enter this class.*)

MATHAMETICS AND BUSINESS CURRICULUM

Mathematics is a consistently exact science. Its laws never change. The goals of mathematics at Christ Chapel Academy are three-fold. First is to inspire and direct our students towards academic excellence by learning and grasping the progressively more difficult concepts of the subject; second, to teach our students to apply those concepts in real-life situations and circumstances; and third, to help our students to understand, through the consistency of the discipline, the consistency and faithfulness of the God that created them and His hand in our creation.

Algebra 1 or Algebra I Honors (8th Grade) – (1 Credit) McDougal Littell

Algebra 1 is taught as the first of the high school mathematics courses. Both eighth and ninth grade students are eligible provided that they have met all the math pre-requisites. The intention of this course is to provide a basic introduction to function families, mainly linear and quadratic. It uses these concepts to symbolize and solve real-world problems and serves as a foundation to the upper-level math courses. Beyond that, it continues to provide the student an understanding the God that created each of them and loves them with an unending love and His hand in our world.

Geometry or Geometry Honors – (1 Credit) McDougal Littell

This course is designed to provide the student with a solid foundation in geometric concepts required in advanced-level math classes in high school and college. The mathematical content is aimed at developing reasoning skills and the ability to construct formal, logical arguments and proofs. The course focuses mainly solely on plane (Euclidean) geometry. Beyond that, it serves as part of understanding the God that created each of them and loves them with an unending love and His hand in our world.

Algebra 2 or Algebra II Honors – (1 Credit) McDougal Littell

Algebra 2 is normally taught as the third of the high school mathematics courses. All High School students are eligible provided that they have met all the prior math pre-requisites. The intention of this course is to build on the foundation of previous courses and to continue for the student the pursuit of academic excellence and inspire individual student success in the field of mathematics. Beyond that, it serves as part of understanding the God that created each of them and loves them with an unending love and His hand in our world.

PreCalculus (1 credit HS) (NOVA Dual Enrollment 3 credits per semester) Houghton Mifflin

This course blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. The course includes the study of relations and functions, exponential and logarithmic functions, trigonometry in triangles, trigonometric identities and equations, trigonometric functions, polar coordinates, sequences and series, and data analysis. Beyond that, it serves as part of understanding the God that created each of them and loves them with an unending love and of His hand in our world.

Calculus Honors (1 credit HS) (NOVA Dual Enrollment 3 credits per semester) Pearson/Prentice Hall

The course includes a study of functions, limits, differentiation, and integration. It extends the content to symbolize and solve real-world problems and inspires individual student success in the field of mathematics. Beyond that, it continues to provide the student an understanding the God that created each of them and loves them with an unending love and His hand in our world.

Consumer Mathematics (1 credit) Bob Jones University Press

Consumer math covers the financial transactions encountered in life, which range from buying food and clothing to taking out loans for cars and houses as well as saving for retirement. Consumer math also involves planning a budget for effective use of financial resources and developing a consistent savings plan.

Personal Finance and Economics (1 credit non-math) Lampo Press

Students will learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, buying/renting a home, mortgages, and inheritance. Development of financial literacy skills and an understanding of economic principles provide the basis for responsible citizenship and career success.

HISTORY, GEOGRAPHY AND GOVERNMENT

Global Geography (9th Grade) (1 credit) Houghton Mifflin Harcourt

The study of World Geography focuses on the relationships among people, places, and environments that result in geographic patterns on the earth. The students will use geographic methods to compare and analyze landforms, climates, and natural resources, as well as cultural, political, economic, and religious characteristics of the world regions. Students will use a variety of interdisciplinary sources, both primary and secondary, such as maps, pictures, and documents to learn about the geography of different world regions.

Modern World History (10th Grade) (1 credit) McDougal Littell

Students will study major turning points that shaped the modern world, from the late eighteenth century through the present, including the cause and course of the two world wars. They will trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Students will develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts.

United States and Virginia History in Christian Perspective (11th Grade) (1 credit)

McDougal Littell

This course begins with the Biblical truth of God's providential leading in the events of history and examines the impact of Christianity on U.S. history, American ideals and institutions. Focus is placed on key developments that transformed the U.S. from an isolated, agrarian society to the world's leading superpower. Students strengthen critical thinking skills by interpreting primary and secondary source materials as historical evidence while studying major events, issues, and personalities of the past providing perspective for understanding contemporary issues and problems. The role of Virginia in the development of the United States is included. Topics included for study: Exploration and Colonization, European Economic Influences and Slavery in the Americas, the American Revolution, the Constitution and Early National Period, Civil War and Reconstruction, the Progressive Era, U.S. as Emerging World Power, World War II, the Cold War, Civil Rights Movements and the Contemporary U.S. Analytical writing is required, both in essays and in research papers.

United States History I (11th Grade) (1 credit) (NOVA Dual- Enrollment 3 credits)

Surveys the general history of the United States to 1865 and allows students to reach a basic understanding of the characteristic features of the United States' early historical development. Students will learn about some of the important political, economic, social, intellectual, cultural and religious changes that shaped the development of the United States from earliest times.

United States History II (11th Grade) (1 credit) (NOVA Dual-Enrollment 3 credits)

Surveys the general history of the United States from 1865 to the present and allows students to reach a basic understanding of the characteristic features of the United States' historical development in the late 19th, 20th & early 21st centuries. Students will learn about some of the important political, economic, social, intellectual, cultural and religious changes that shaped the development of the United States since 1865.

Honors American Government (12th Grade) (1 credit) Pearson/Prentice Hall

The goal of this course is to prepare informed, rational, humane, and participating citizens committed to the values and principles of American constitutional democracy. Students learn the biblical foundations of American government examine the constitutional roles, responsibilities and powers of federal and state government and observe how government functions in their life today. Through written, oral and visual presentations and current event debate, emphasis is placed on strengthening critical thinking skills such as interpreting data, recognizing bias, analyzing issues, drawing conclusions and forming opinions. Most importantly, students learn biblical principles regarding government and society and how to apply those principles to the complex political issues and decisions they face as citizens and voters.

American Government (12th Grade) (1 Credit) Pearson/Prentice Hall

American Government is a class designed to acquaint students with the origins, concepts, organizations, and policies of the United States government and political system. Students will learn about the Constitution, political behavior, the three branches, comparative political and economic systems and state and local government.

Introduction to Psychology (11th/12th Grade) (1 credit) (NOVA Dual-Enrollment 3 Credits)

Worth Publishers

This course is an introduction to the basic concepts of human behavior, motivation, emotion and personality, and a survey of the contemporary psychological field.

SCIENCE CURRICULUM

Earth Science (9th Grade) (1 credit) Bob Jones University Press

Students will be presented with a solid foundation of in topics in the area of Earth Science. Presented from a Biblical perspective, this course covers the following areas:

Meteorology:	The atmosphere and weather
Oceanography:	A survey of the seas
Chemistry:	Foundations of Chemistry, molecules and Chemistry, Chemistry in Action
Geology:	Foundations of Geology, rocks and minerals, weathering and erosion, interpreting the fossil record
Physics:	Mechanics: physics of motion, waves and sound, light and color, electrostatics and magnetism, electricity, electronics

Biology (10th Grade) (1 credit) Bob Jones University Press

Biology through a Christian perspective will cover the following subject areas: botany; human anatomy and physiology; zoology; cellular and molecular biology. Laboratory work will include dissections, microscopy, field studies, nutrition, cellular biology and genetics.

Chemistry (11th Grade) (1 credit) Bob Jones University Press

Chemistry taught through a Christian perspective covers the following topics: Measurement in Chemistry, Matter: the substance of Chemistry, Stoichiometry: elements and compounds; chemical reactions; light; electrons; and Atomic Structure; Periodic Table; chemical bond, solutions and colloids; ionic equilibrium in solutions; oxidation-reduction, electrochemistry; Nuclear Chemistry; Organic Chemistry, and Weekly laboratory studies.

Physics Honors (12th Grade) (1 credit) Pearson/Prentice Hall

Students will be presented with a perspective of Physics that shows the harmony between scientific knowledge and Christian belief. Specific topics to be covered include: Basic concepts: matter and energy; mathematics of physics; three states of matter: liquid, gaseous, solid; mechanics; velocity and acceleration; forces in nature, concurrent forces; motion in two dimensions; work and machines; energy and momentum; rotary motion, gravitation; laws of thermodynamics wave phenomena: waves; sounds, music, light: nature of light; reflection of light; refraction of light; wave optics; electricity and magnetism: electrostatics; magnetism; current generation, Ohm's Law; load characteristics; electrical devices, modern physics: quantum theory; special relativity; light in modern technology, and electronics.

Anatomy Honors (12th Grade) (1 credit) F. A. Davis Company

A study of the anatomical structure of the human body. Body structure will be studied by organ systems and will involve a balance between gross anatomical study and histology.

FOREIGN LANGUAGES CURRICULUM

Spanish I (1 credit) McGraw Hill

This course teaches basic language patterns and vocabulary. Repetition and comprehensible input are important components of this course. Focus is on all four language skills listening, speaking, reading and writing. Culture is an integral part of the course and is introduced using media, games, adapted readings and class discussions.

Spanish II (1 credit) McGraw Hill

This course continues to further develop and improve listening, speaking, reading and writing skills. Emphasis is placed on comprehension of Spanish, as well as, reading and writing practice in the target language using a variety of activities incorporating familiar vocabulary and structures.

Spanish III (1 credit) McGraw Hill

This course is designed for the serious language student who has excelled in Levels 1 and 2. It offers an in-depth study of grammar and vocabulary, which provides the means for student expression in spoken and written form. Emphasis is placed on the student's ability to respond to and communicate practical needs and opinions and to extract information from different texts.

Daily class participation is expected. The course fulfills the requirement for the advanced studies diploma.

Spanish IV Honors (1 credit) McGraw Hill

This course provides students the opportunity to further develop, improve and refine their listening, speaking, reading and writing skills. Emphasis continues to be placed on aural skills with additional emphasis on reading and writing in the target language. Supplementary materials are implemented to enhance language use. Students experience multiple opportunities to demonstrate their proficiency in Spanish in different contexts. Aspects of contemporary Hispanic culture are emphasized through cultural readings, media, games, and class discussions.

COMPUTER TECHNOLOGY CURRICULUM

Computer Applications (1 credit)

This is an intermediate course in the use of four MS Office applications – word processing and spreadsheet/databases. Using these applications, students create multiple documents, such as letters, reports, spreadsheets (with simple formulas), databases, charts, and graphs. Students learn the skills needed to create impressive newsletters and dazzling presentations using special effects, clip art, WordArt, and more. They will gain knowledge in project design and creative oral presentations. (*Prerequisite: Students should have a basic understanding of these applications.*)

IT Introduction (1/2 credit) (NOVA Dual-Enrollment 3 credits)

This course provides a foundation in information technology concepts, operating system functions and computer applications. The course also includes topics in computer ethics, computer security and HTML (Creating a Website). This course can be used to meet the College's general education information literacy goals and as a general elective in any program that the college offers.

IT Networking (1/2 credit) (NOVA Dual-Enrollment 3 credits)

This course provides a comprehensive foundation in networking concepts and technologies. Students will learn how to use, install and configure basic networking technologies as would be expected from a network support technician or network administrator. The covered material of this course is related to the industry certification Network+.

Digital Journalism I, II, III (1 Credit)

Students will prepare one yearbook, a web based yearbook. This is a hands-on activity-based course which focuses on the development of skills leading to specific finished products. Students will learn how to use publishing and photo editing software. This course will greatly enhance students' communication skills.

FINE ARTS DEPARTMENT

Theater Curriculum

Theater Productions I, II, III, IV (1 credit)

This course is designed to give the student an understanding and appreciation for drama through examining the nature of drama, drama history (including religious drama history) as it relates to world cultures and values, and an overview of dramatic literature – including a look at the contemporary world theater. Opportunities for practical application are made available for individual growth and encouragement of creativity.

Art Curriculum

Art I, II, III, IV (1 credit)

Art I is an introductory course covering art history and terminology of art. Course work will include practical hands-on experience in various forms of art. Art II, III, IV courses will allow advanced art students to develop skills in a variety of media. Each student will complete a personal portfolio of works that will be displayed in the school art gallery.

Band Curriculum

Grade level progressions listed below are only a guide line. Eligibility for any Level-Beginning, Intermediate, Advanced, or Artist – will be determined by an ability level evaluation (placement test/audition) prior to assignment to a Band or Vocal/Choir.

Beginning/Intermediate Level 1-2 and 2-4 (9th Grade) (1 credit)

Students in the ninth grade will receive instruction combining Beginning and Intermediate Levels 1-2 and 2-4. Students will demonstrate proper care of instrument and will be familiar with the technology of the instrument. They will demonstrate basic positions, tone production, and fingerings, and will count, read, and perform the beginning level of music being studied from the Virginia Band and Orchestra Directors Association (VBODA) Selective Music List Solo Repertoire, Level 1-4. Students will also begin to use more articulations, perform scales and music in more difficult key signatures, demonstrate vibratos, and perform music at an intermediate level of difficulty and describe concepts common to music and other disciplines. They will be involved in limited discussion of various cultures, styles, composers, and historical periods.

Intermediate Level 2-4 (10th Grade) (1 credit)

Students in the tenth grade will receive instruction at the Intermediate Level 2-4 and will begin to use more articulations, perform scales and music in more difficult key signatures, demonstrate vibrato, and perform music at an intermediate level of difficulty (VBODA Solo Repertoire, Level 2-4). Ensemble skills will become more developed as students participate in band settings. Students will describe concepts common to music and other disciplines and will be involved in discussing various cultures, styles, composers, and historical periods.

Intermediate/Advanced Level 2-5 (11th Grade) (1 credit)

Students in the eleventh grade will receive instruction combining Intermediate and Advanced Levels 2-5. In addition to elements of the Intermediate Level, students at the Advanced Level will participate regularly in a band setting. Technical and expressive skills will increase in difficulty as the student demonstrates a variety of articulations, positions, alternate fingerings, and vibrato while playing the required scales, arpeggios, and rudiments in more complex rhythmic patterns. Percussion students will become more proficient in the use of mallet instruments, timpani, and auxiliary instruments.

Advanced/Artist Level 4-6 (12th Grade) (1 credit)

Students in the twelfth grade will receive instruction combining Advanced and Artist Levels 4-6. Students who perform at the Artist Level (VBODA Solo Repertoire, Level 5-6) have built upon the previous skill levels of Beginning, Intermediate, and Advanced. The Artist Level instrumental student will perform, discuss, and critically evaluate characteristics of more elaborate music compositions. Performance of solo literature with the ensemble is highly encouraged at this level of instruction.

Strings I, II, III, IV (9th-12th Grade) (1 credit)

Students will learn the basics in string technique, music theory as it applies to their string instrument, and ensemble playing. Emphasis is placed on posture, position and note-reading skills.

Vocal/Choir Curriculum

Choir I - Beginning/Intermediate Level (9th Grade) (1 credit)

Students will receive instruction combining Beginning and Intermediate Levels. The Beginning Level standards emphasize fundamental vocal development, traditional notation, and the introduction to ensemble singing. These standards require performance, creativity, and investigation at a fundamental level. Included are some elements from the Intermediate Level standards designed for students who have achieved competency in beginning vocal/choral skills. Limited opportunities are provided for students to explore the relationship between music and the

other fine arts and between music and disciplines outside the arts.

Choir II - Intermediate Level (10th Grade) (1 credit)

Students will receive instruction at the Intermediate Level. The Intermediate level emphasizes the continuing development of vocal production techniques and ensemble participation. The standards require performance, creativity, and investigation at a level of increased ability, as well as an understanding and application of traditional music notation. These standards are designed for students who have achieved competency in beginning vocal/choral skills. Emphasis is placed on the continuing development of vocal production techniques and ensemble participation. The standards require performance, creativity, and investigation at a level of increased ability, as well as an understanding and application of traditional music notation. Opportunities are continued for students to explore the relationship between music and the other fine arts and between music and disciplines outside of the arts.

Choir III - Intermediate/Advanced Level (11th Grade) (1 credit)

Students in the eleventh grade will receive instruction combining Intermediate and Advanced Levels. The Intermediate Level standards are designed for students who have achieved competency in beginning vocal/choral skills. Combined with elements of Intermediate Levels is Advanced Level instruction with emphasis on proficiency in ensemble singing and development of competency in individual performance. Singing with refined expressive qualities, the student will perform vocal/choral selections and sight-reading material of increased levels of difficulty. Students will demonstrate limited expanded abilities in performance, creativity, and analytical investigation.

Choir IV - Advanced/Artist Level (12th Grade) (1 credit)

Students in the twelfth grade will receive instruction combining Advanced and Artist. In addition to mastery of elements from the Advanced level, students will receive instruction at the Artist Level where they will acquire refined musicianship skills in individual and ensemble performance. The student will continue to develop the ability to evaluate music performances and articulate preferences and choices through the use of cognitive skills and analytical thinking. Connections with music in the community and the world will be expanded, and an individual performance portfolio will be developed. Competency in solo and/or ensemble singing and the use of foreign languages will assist in preparing the singer for future musical and vocal development and career opportunities. Increasing awareness of the interrelation among music, the other fine arts, and other disciplines will be emphasized.

Life Skills (1 credit)

This course is designed to increase students' knowledge of and ability in using the skills necessary for everyday independent living. Topics include wellness, personal safety, management skills, college and career readiness, relationships, and caregiving skills.

PHYSICAL EDUCATION

Physical Education and Health (1 credit) (Required two years)

Physical Education involves various activities that utilize team-building strategies, including cooperation and spatial awareness games. Group games, individual and team sports, as well as physical exercise are emphasized. Students will learn the rules, skills, and strategies of all sports taught, emphasizing important carry-over values. Course of study will vary from quarter to quarter but will always include a variety of activities, games, and sports. Students will also learn basic CPR and first aid techniques in accordance with state standards.

Classroom Driver's Education will be taught in the 10th grade year.

ATHLETIC PROGRAM

Christ Chapel Academy's athletic program offers physical and team building opportunities and emphasizes camaraderie, dedication, and perseverance, as well as spiritual formation and growth. Christ Chapel Academy is a member of the Northern Virginia Independent Athletic Conference (NVIAC). No course credit is given for participation on athletic.

ROBOTICS / STEM

Competition VEX Robotics

Christ Chapel Academy is excited to build on excellence in VEX Robotics combining the elements of a student-based program incorporating science, technology, engineering, and math. Over 20,000 teams from 40 countries compete during the season at thousands of regional, statewide, and national tournaments to be among the elite that qualifies for the VEX Robotics World Championship each April. In the VEX Robotics Competition, teams of students are tasked with designing and building a robot to play against other teams in a game-based engineering challenge. The VEX Competitions are always played on a 12' x 12' field, but the scoring objects and rules of the game are changed every year. This system keeps things fresh and presents students with ever-changing engineering problems to solve while upholding God's Core Values. Classroom STEM concepts are put to the test as students learn lifelong skills in teamwork, leadership, faith, communications, and more.

AI Computer and Robotic Job Skill Electives:

Christ Chapel Academies AI Computer and Robotics Job Skills Electives mission is to allow students and mentors to share and apply knowledge of STEM skills including Robotics (VEX/FLL) engineering, and leadership skills through a fun, hands-on experience. Robotic Skills Electives and AI will cover Introduction to AI and its many uses in the world today and turning each needed competition skill base into a unique deconstructed walkthrough that helps students process the importance of each robotic skill and how to properly apply them. Students will work toward a common goal of designing, building, programming, marketing, social media, fundraising, tool safety, room maintenance, innovating, budgeting, keyboarding and basic computer 101, discovering and working toward career goals while supporting the ideals of our school's Christian faith and invigorating students with a passion for STEM with Robotics.