

Curriculum Guide

2022-2023



COURSE PLANNING & POLICIES

All students are expected to take eight blocks worth of academic material over the course of the year. Each student must follow a full schedule of four courses each term.

Please see the Student Handbook for a complete list of academic policies, diploma options, or graduation requirements.

Students will meet with their counselor in the Spring each year to review graduation requirements, core courses remaining, and to select classes for the coming year. Counselors are available by request to review graduation requirements and student credits at any point.

Prerequisites are listed for all courses in this guide, and all students enrolling in an AP, Dual Enrollment, or Honors level course also require approval from the Department Chair. Students enrolling in a Dual Enrollment course are also subject to any additional requirements as listed by Thomas Nelson Community College.

Any required books, materials, or course fees for any courses being taken will be referenced on Peninsula Catholic's online bookstore, BNC K-12. BNC K-12 will be updated and open for the 2022-23 school year in July, and the link can be found on the parent page of the PCHS website. The Home and School Association's used book sale is scheduled for August 6, 2022. Any fees for course material or digital materials will be billed during the term which the course is taken.

COURSE DESCRIPTIONS

The number of available sections for core classes will be determined by the number of student enrollments per grade level. Elective course offerings are contingent upon sufficient student enrollment and teacher availability. Students should choose up to eight classes they would want to take as part of the coming school year, with alternate options in case those become necessary.

ENGLISH

English 8/Language Arts (Required): Students will be exposed to the genres in the literary world. Emphasis is placed on the short story, poetry, non-fiction, folklore, drama and the novel. In addition, particular emphasis is placed on a review of grammar-usage, mechanics, writing different types of paragraphs and compositions. Students write a research paper using MLA format.

English 9 (Required) or Integrated Honors English 9 (Prerequisite: B/86 average in all grading categories at the five week point): Students will be exposed to: literature, grammar, composition, and vocabulary. The literary genres of poetry, non-fiction, the epic, drama, and the novel are stressed. Basic grammar skills are reviewed with the focus on paragraph development, especially effective topic sentence and paragraph unity. Students are exposed to various types of essay writing, including a research paper using MLA format.

English 10 (Required) or Integrated Honors English 10 (Prerequisite: B/86 average in all grading categories at five week point): Students will be exposed to an in-depth study of the short story, poetry, drama and the novel as a means of acquiring and developing literature analysis for journal and various types of essay writing. Vocabulary development is stressed. Students write a research paper using MLA format.

English 11 (Required) or Integrated Honors English 11 (Prerequisite: B/86 average in all grading categories at the five week point): Students will be exposed to a chronological organization of American Literature which shows the progression of themes throughout the various eras of American history and literature. Within the unit for each period, attention is given to all genres-nonfiction, short story, novel, and poetry. Students study classics from the Colonial Period which have established a place in our culture up to and through the contemporary works which have the promise of becoming tomorrow's classics. The class places a special emphasis on reading,

writing, and grammar preparation for the SAT. Students will write a series of papers and learn both MLA and APA format.

Dual Enrollment American Literature (Prerequisite: B/86 final average in Integrated Honors English 10 and approval of the Department Chair after review of PSAT scores and/or Readiness Assessment; minimum 3.0 cumulative GPA and completion of Algebra II required by TNCC for all Dual Enrollment students): Students will be exposed to a chronological organization of American Literature which shows the progression of themes throughout the various eras of American history and literature. Within the unit for each period, attention is given to all genres-nonfiction, short story, novel, and poetry. Students study classics from the Colonial Period which have established a place in our culture up to and through the contemporary works which have the promise of becoming tomorrow's classics. The class places a special emphasis on reading, writing, and grammar preparation for the SAT. Students will write a series of papers and learn both MLA and APA format. This semester-long course combines two college level classes and successful completion of this course with a minimum grade would result in students receiving six college credits from Thomas Nelson Community College for English 111 and 112.

English 12 (Required) or Integrated Honors English 12 (Prerequisite: B/86 average in all grading categories at the five week point): Students will concentrate on mastery of literary analysis and precise writing skills. These skills are learned through the critical reading of diverse works from English literary history from the Anglo-Saxon period to the present, national epics, and some selected pieces of world literature. Vocabulary development is stressed. Students complete a research paper using APA format.

AP Literature and Composition (Prerequisite: B/86 final average in Advanced American Literature or B+/89 final average in Integrated Honors English 11 and approval of Department Chair following readiness evaluation if applicable): Students are provided an opportunity to work on a college level. It is primarily a course in both effective writing and critical reading. The emphasis is on mastery of literary analysis and acquisition of precise, lucid writing skills. These skills are learned through analysis of works written by authors from around the world. The AP students will learn techniques and skills to prepare for the required AP Exam given in the spring. The course is designed to meet the curricular requirements in the AP Literature and Composition Course description published by the College Board. An exam fee of \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the AP Test in May could result in one semester of college credit.

Dual Enrollment Creative Writing (Elective grades 11-12; Prerequisite: B/86 final average in Advanced American Literature and approval of Department Chair; see page 4 for additional DE requirements): This course will introduce students to the basic techniques and structures of writing fiction—poetry, short story, and drama. The goal of the course is to help students become comfortable with and proficient with all stages of the fiction writing process--invention, drafting, revision, editing, and publication--with a focus on stimulating creativity. Methodology will include direct instruction, literary analysis, workshops, and conferencing. The students will be encouraged to submit work for publication. The class will also produce and publish a school literary journal. Successful completion of this course with a minimum grade would result in students receiving three college credits from Thomas Nelson Community College for English 211.

Media Production (Elective grades 8-12): Students will learn about filming and editing videos, sound design, lighting techniques, and green screen technology, with the ultimate goal of publishing content in a responsible way on the web. The course incorporates elements of drama, public speaking, technical theater, journalism, and copyright law.

Public Speaking (Elective grades 10-12): Students will deliver several different types of speeches using the delivery methods of impromptu, note cards, manuscript, and memorized. In addition, students will practice and improve the skills of persuasive speaking. Ultimately speakers will gain experience and develop more confidence in communicating with others in both large groups and interpersonally.

FINE ARTS

VISUAL ARTS:

Art Foundations (Elective grades 8-12): In Art Foundations students will learn to understand and appreciate the visual arts, while experimenting with the application of the elements of art and principles of design. Students will develop skills to create, discuss, and understand original works of art while working with a variety of media including drawing, painting, and sculpting. Students will participate in classroom critiques and maintain a portfolio and sketchbook documenting their accomplishments throughout the course. A supply fee of \$50 will be billed at the beginning of the term for all students enrolled in this course. Students attending virtually will not be charged the supply fee but will be provided a supply list in advance of the first day of classes with the expectation that they will be prepared with the required supplies by the start of the semester.

Intermediate Art (Elective grades 9-12; Prerequisite: Art Foundations) In

Intermediate Art the student expands upon his/her prior knowledge of art, incorporating the use of the elements of art and principles of design. Students will extend and refine their abilities using a variety of media including drawing, painting, printmaking, and sculpting. Emphasis is on the importance of content, concepts, and skills involved in the creation of original works of art as well as art history and how art functions within a multicultural society. Students will continue to maintain a portfolio and select representative work to take to the next level of study. A supply fee of \$50 will be billed at the beginning of the term for all students enrolled in this course.

Advanced Art (Elective grades 10-12; Prerequisite: Intermediate Art): In Advanced Art students will continue to develop abilities to create original works of art. The focus on art history, critical evaluation, and aesthetics is increased and includes creative problem solving. Students will develop a personal direction in the production of their works of art and further their academic study in the visual arts. Selected works of art will be added to the portfolio and carried forward to the next level of study. A supply fee of \$50 will be billed at the beginning of the term for all students enrolled in this course. This class is not available to virtual students due to the use of specialized art making materials.

AP Art & Design (Elective grades 11-12; Prerequisite: Art 1-3 & Instructor's Permission): Students will focus on in-depth, inquiry-based art and design making, skillful synthesis of materials, processes, and ideas, and articulating information about their work. Through inquiry based learning and documentation practice, experimentation, and revision, each student's body of work will be open to diverse approaches to thinking and making art, thus aligning with college, university, and contemporary disciplinary practices. A supply fee of \$50 will be billed at the beginning of the term for all students enrolled in this course. The course is designed to meet the curricular requirements in the AP Studio Art Course description published by the College Board. An exam fee of approximately \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the AP Test in May could result in one semester of college credit.

Graphic Art and Design (Elective 10-12; Prerequisite: Art Foundations): This course provides an art elective which utilizes the latest technology in the production of fine art and commercial design. Students will become familiar with the major graphics programs utilized by professionals today. These programs will include the Adobe Creative Cloud Suite: Adobe Photoshop, Adobe Illustrator, Adobe InDesign. Students will be able to produce quality fine artwork and graphic art of the type typically used in commercial applications. The course will be composed of a number of

projects designed to teach the elements and principles of design, the software used and proper approach to design problems. There will be a lab fee of \$50 to be billed the first week of class. Due to specialized software that will be required for many of the projects, virtual students who wish to take this course must purchase a student subscription to Adobe Photoshop, Illustrator, & InDesign (bundle) to use on a windows based computer that can support that software. (Virtual learners will not pay the \$50 lab fee).

MUSIC:

Band (*Elective grades 8-12*): Students will be offered the opportunity to perform music of many genres using instruments they own or rent. (Some instruments are available such as percussion and keyboard.) Emphasis on technical and musical development accompanies the emphasis on performance. (This course will be offered as a “0” block all year from 7:00am - 7:45am each school day).

Music Theory (*Elective grades 10-12*): The Music Theory course is designed to enhance music skills and basic music fundamentals. The essential aspects of melody, harmony, rhythm, and form are studied. Throughout the course of the year students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones, form, part-writing and analysis of a score. Aural and rhythmic dictation through ear training are also an integral part of the course. Individual creativity is nurtured through both rhythmic and melodic composition.

AP Music Theory (*Elective grades 11-12; Prerequisite: Music Theory*): AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. An exam fee of approximately \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the AP Test in May could result in one semester of college credit.

THEATRE:

Theatre I: Theatre Overview (*Elective grades 8-12*): Students will learn and execute the elements of acting, through improvisation, mime, voice production, monologues, scenes, and short plays. The focus is on creative development of characters and the development of stage presence. Additionally, the students will execute the technical skills that support the actors, such as stage management, stage design, costume design, lighting and sound design, and makeup. Included in this class is a study of theater, history, theatre types, and a comparison and contrast of how these affect performance. This is an active class, conducted in a participative workshop atmosphere.

Theatre II: Production and Performance (Elective grades 9-12; Prerequisite: Theatre I): Continuing the skills learned in *Theatre I*, the students will create, write and produce effective theatrical productions, integrating all of the music, for public performance. This is an active class, conducted in a participative workshop structure.

Theatre III (Elective grades 11-12; Prerequisite: Theatre I or II or Instructor's Permission): At the beginning of the term, students will select their areas of concentration of study. Choices include: acting, script study, directing, improvisation, make-up, set design, costuming, playwriting, lighting, sound, set model making, production of a play. While all students will work on individual projects, they will also be auditors for other student's projects.

Technical Theatre (Elective grades 9-12): This class will teach students the history of technical properties found within theatre, as well as introduce students to the world of technical theatre by teaching students set design, set construction, light design, light hanging and focusing, costume design, costume construction, and makeup design. This class is not available to virtual students due to the use of power tools and various additional materials.

WORLD LANGUAGES

Latin I: Students are introduced to the culture and institutions of the Romans as they begin to read, understand, and interpret Latin. In addition, they use oral skills, listening and writing to assist them in the development of their reading skills. Students gain an appreciation of the Roman contributions to Western civilization and the Latin influence on the development of the English language. Latin is an excellent elective choice for all students, freshmen through seniors, as it helps with English vocabulary and grammar acquisition as well as maximizing SAT scores.

Latin II or Integrated Honors Latin II (Prerequisite: B/86 average in all grading categories at the five week point): Students increase their ability to read, understand, and interpret Latin. They continue to use oral skills, listening, and writing to assist them in the development of their reading skills. English word derivation, Roman mythology, history, and culture are integral parts of the learning process. Honors Latin II students will complete additional activities that demonstrate higher level thinking as well as more in-depth and independent work.

Latin III or Integrated Honors III (Prerequisite: B/86 average in all grading categories at the five week point): Students increase their ability to read, understand, and interpret Latin. They continue to use oral skills, listening, and writing to assist them in the development of their reading skills. English

word derivation, Roman mythology, history, and culture are integral parts of the learning process. Honors Latin III students will complete additional activities that demonstrate higher level thinking as well as more in-depth and independent work.

Honors Latin IV (*Prerequisite: B/86 final average in Integrated Honors Latin III or B+/89 final average in Latin III; approval of Department Chair*): Students encounter more advanced Latin forms and grammar, word derivations and uses of prefixes and suffixes in the formation of both Latin and English words, learning to translate selected passages from Roman writers such as Vergil, Catullus, Ovid, Pliny, Martial and Cicero. Throughout this course, students continue to study classical Latin literature and to hone their skills in reading, translating, interpreting and analyzing passages.

Spanish I: Students will develop proficiency in three modes of communication: interacting with other speakers of the target language, understanding oral and written messages in the target language, and making oral and written presentations in the target language. Emphasis is placed on the use of the target language in the classroom as well as on the use of authentic materials to learn about the culture.

Spanish II or Integrated Honors Spanish II (*Prerequisite: B/86 average in all grading categories at the five week point*): Students will show a greater level of accuracy when using basic language structures and will be exposed to more complex features of the target language. They will continue to focus on communicating about their immediate world and daily life activities, and they will read material on familiar topics and write short, directed compositions. Emphasis will be placed on the use of the target language in the classroom as well as on the use of authentic materials to learn about the culture.

Spanish III or Integrated Honors Spanish III (*Prerequisite: B/86 average in all grading categories at the five week point*): Students will communicate using more complex structures in the target language on a variety of topics, moving from concrete to more abstract concepts. They will comprehend the main ideas of the authentic materials that they read and hear, and are able to identify significant details when the topics are familiar. The target language will be used almost exclusively in the class as students develop the ability to discuss topics related to historical and contemporary events and issues.

Honors Spanish IV (*Prerequisite: B/86 final average in Integrated Honors Spanish III or B+/89 final average in Spanish III; approval of Department Chairperson*): Students in Honors Spanish IV will exchange and support opinions on a variety of topics related to contemporary and historical events

and issues. They will comprehend spoken and written target language texts from a variety of authentic sources as well as produce compositions containing well-developed ideas on various topics. Selections of literature from Spanish and Hispanic sources will also be explored. Students will use the target language to access information in other subject areas and to compare and contrast cultural elements of countries where the target language is spoken with their own. These students will attempt to speak exclusively in the target language during the class block.

MATHEMATICS

Students may enroll in two math courses in a year provided they meet the prerequisites and meet the grade level requirement.

Pre-Algebra: (Grade 8) In this course, students will study the arithmetic of integers, rational numbers, and irrational numbers without use of a calculator. Students will be introduced to algebraic concepts in preparation for success in Algebra 1.

Algebra I: (Grade 8, 9) Part 1 and 2 or Integrated Honors Algebra I: Part 1 and 2 (Prerequisite: B/86 average in all grading categories for Part 1 and at the five week point of Part 2): In this course, students will study the arithmetic of integers, rational numbers, irrational numbers, and variables. Students will further their study of algebra including, solve linear and quadratic equations algebraically and graphically, factor and solve algebraic expressions and complete the square, and set up and solve advanced algebraic word problems. These skills will be presented over the course of two terms, however, no credit is awarded until the completion of part 2. A one term Algebra I course may be recommended to students who have already completed Algebra I for high school credit but need to strengthen skills as identified by initial math placement testing.

Geometry (Prerequisite: Algebra I) (Grade 9, 10) or Integrated Honors Geometry (Prerequisite: B/86 average in all grading categories at the five week point): This college preparatory course is based on the study of plane and solid figures and their applications. Geometric constructions and formal geometric proof are also included. Throughout the course students are required to engage in hands-on experiences and cooperative group work. A Scientific calculator is required.

Algebra II (Prerequisite: Geometry) (Grade 9-12) or Integrated Honors Algebra II (Prerequisite: B/86 average in all grading categories at the five week point): This is an advanced math course dealing in an extended study of linear and quadratic relations and functions as well as applications of these concepts. The topics of three variable systems, three dimensional graphing, the imaginary number system, and the complex number system

are also included. A Scientific calculator is required.

Algebra III/Trigonometry (Grades 10-12) (*Prerequisite: Algebra II*) or ***Integrated Honors Algebra III/Trigonometry*** (*Prerequisite: B/86 average in all grading categories at the five week point*): This class builds on concepts learned in Algebra II. Students will be introduced to the fundamentals of trigonometry and transcendental functions and will review their algebra skills. Students may have limited use of their graphic calculators as they develop a mastery of advanced trigonometry. A Scientific calculator is required.

Statistics (Grades 11-12; *Prerequisite: successful completion of Algebra II*): Students will learn basic statistical skills to collect, analyze, and present data. Students will calculate probabilities and confidence intervals and perform hypothesis testing for various types of data information. Emphasis will be placed on real-life applications of statistics in project assessments as well as test assessments. Students will create an original statistical study, perform data analysis, and present their findings.

Honors Pre-Calculus (Grades 10-12; *Prerequisite: B/86 final average in Integrated Honors Algebra III/Trigonometry OR B+/89 final average in Algebra III/Trigonometry*): The course includes the study of number patterns and extended equation solving and graphing of most algebraic and transcendental functions, including polynomial, rational, exponential, logarithmic, and trigonometric. A significant portion of this course focuses on trigonometric functions, identities, equations, and applications. A scientific-graphing calculator is required, however, its use is limited to only those situations where appropriate or necessary.

Honors Calculus (Grades 11-12; *Prerequisite B/86 in Precalculus and approval*): This is an advanced math course that studies the basics of limits, derivatives, and integrals for both algebraic and transcendental functions. The course will introduce topics typically covered in a first year college course. A scientific-graphing calculator is required, however, its use is limited to only those situations where appropriate or necessary. This course is required prior to taking AP Calculus, however students taking this course are not required to take AP Calculus as a follow on course.

AP Calculus AB/BC (*Elective grades 11-12; Prerequisite: B/86 final average in Honors Calculus and approval*): The course is designed to meet the curricular requirements of the AP Calculus BC Course description published by the College Board. Students must take either the AB or BC exam. A scientific-graphing calculator permitted for use on the AB or BC exam is required. An exam fee of \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the AP Exam in

May may result in one semester of college credit. Students who opt for the AB exam in their junior year may re-enroll to prepare for the BC exam in their senior year.

LABORATORY SCIENCE

Earth Science (Required grade 8 or 9) or **Integrated Honors Earth Science** (B/86 average in all grading categories at the five week point): Students will be introduced to the four major branches of Earth Science: Geology, Meteorology, Astronomy, and Oceanography. The Earth's history and environmental issues are also discussed. Students will be involved in lab and problem solving activities and projects.

Conceptual Physics (Science credit grades 9-12; Prerequisite: Algebra I) or **Integrated Honors Conceptual Physics** (Prerequisite: B/86 average in all grading categories at the five week point): This course is an introduction to the ideas of physics, providing a strong conceptual background in physics and scientific foundations. Through hands-on activities and inquiry-based experiments, students will form connections between physics and the world around them. Students will study foundational concepts such as gravity, force, and momentum, as well as more specific physics topics such as mechanics, electromagnetism, and quantum theory of light.

Biology (Required grade 10) or **Integrated Honors Biology** (Prerequisite: B/86 average in all grading categories at the five week point): Students will learn the fundamental concepts and interrelating principles of biology, good science, and the scientific method. Beginning with basic chemical and biological information, the student continues with the study of ecology and the complexity and interdependence of life. The students will then study the cell, followed by the fundamentals and molecular biology of genetics.

Chemistry or Integrated Honors Chemistry (Grades 10-12; Prerequisite: Algebra 1; Honors Prerequisite: B/86 average in all grading categories at the five week point) Students will study the composition of matter, fundamental atomic theory, unit conversions, the naming of chemical compounds, the periodic table, balancing of chemical equations, solving basic stoichiometry problems, describing the properties of gasses, solids, and liquids, describing acid-base reactions, drawing Lewis structures and 3D models of molecules, and intermolecular forces. Laboratory work will complement these topics.

AP Biology (Elective grades 11-12; Prerequisite: B/86 final average in Integrated Honors Biology or B+/89 average in Biology and approval of the Department Chair) AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution,

Dual Enrollment Chemistry* (*Two terms and two credits; Elective grades 11-12; Prerequisite: B/86 in Integrated Honors Chemistry or B+/89 in Chemistry and the approval of the Department Chair. Minimum 3.0 cumulative GPA and completion of Algebra II required by TNCC for all Dual Enrollment students*): This course is designed to be the equivalent of a college-level general chemistry course and differs from the Integrated Honors Chemistry course with respect to the topics covered, the emphasis on chemical calculations, and the type of laboratory work done. Students will study topics such as the gas laws, thermodynamics, atomic theory, theories of bonding, composition of matter, chemical kinetics, equilibrium, acid-base chemistry, and solution chemistry. Students will be required to maintain a laboratory notebook which may be reviewed by the university/college that the student eventually attends. This year-long course combines two college level classes and successful completion of this course with a minimum grade would result in students receiving six college credits from Thomas Nelson Community College for Chemistry 111 and 112. (* = Pending Dual Enrollment approval by TNCC; should the course not be approved for DE then it would be offered as a yearlong AP course. An exam fee of \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the AP Test in May could result in one semester of college credit.

AP Computer Science Principles (Elective 10-12; Prerequisite B+/89 or higher in Algebra II; *and approval of the Department Chair following readiness evaluation. if appropriate*): This course is designed to introduce students to the central ideas of computing and computer science (CS), to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing and computer science change the world. The course is rigorous and rich in computational content, includes computation and critical thinking skills, and engages students in the creative aspects of CS. The course will be conducted in accordance with the College Board's framework for AP CSP. The key concepts are organized around Seven Big Ideas: Creativity, Abstractions, Data & Information, Algorithms, Programming, the Internet, Global Impact. As an essential part of the course and the course assessment, students will complete two performance tasks that require them to explore impacts of computing and create computational artifacts through programming. Writing is an integral part of the curriculum and students will have opportunities to build their writing skills through portfolio, journals, technical writing and the written component of the performance tasks. An exam fee of \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the required AP Test in May could result in one semester of college credit.

AP Physics (Elective grades 11-12; Prerequisite: B/86 final average in Honors Pre-Calculus): AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. Topics covered include kinematics, dynamics, circular motion, gravitation, energy, momentum, simple harmonic motion, torque, and rotational motion. An exam fee of \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the AP Test in May could result in one semester of college credit.

Introduction to Engineering (Elective grades 10-12; Prerequisite: Algebra I) : This course explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. The course explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. The course presents an introduction to the methods and tools of engineering problem solving and design including experimentation, data analysis, computer and communication skills, and the interface of the engineer with society and engineering ethics.

Introduction to Forensic Science (Elective grades 10-12; Prerequisite: Biology): Forensic Science is the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. In this course, students will focus on fields of science such as engineering, entomology, pathology, toxicology, psychiatry, odontology, and behavioral science. This course is designed to foster in students an appreciation for and understanding of the complex field of forensic science while dispelling common myths acquired from watching CSI. Students will participate in several inquiry-based laboratory projects which will increase their critical thinking skills. Students should have previously taken biology to take the course.

Introduction to Programming: (Elective, grades 11-12; Prerequisite: Algebra 2) This course teaches the foundations of computer science and basic programming in the python language, with an emphasis on helping students develop logical thinking and problem solving skills. The course utilizes a blended classroom approach. The content is fully web-based, with students writing and running code in the browser. Topics covered include console interaction, conditionals, looping, functions, strings, creating/altering data structures, and extending data structures.

PHYSICAL EDUCATION, HEALTH AND DRIVER'S EDUCATION

Physical Education 9/Health I/First Aid (Required grade 9): Students will develop physical skills and knowledge of rules in team sports, individual sports and leisure activities. Classes are coeducational. Students will be introduced to topics relating to General Health with an emphasis on maintaining wellness. Topics include nutrition, physical and emotional fitness, family and social health, body systems, medicine and drugs, disease, consumer health, injury prevention and safety, as well as first aid. Students will also be trained in emergency first aid, cardiopulmonary resuscitation, and the use of automated external defibrillators, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation.

Physical Education 10/Health II/Driver's Education (Required grade 10): Students will develop physical skills and knowledge of rules in team sports, individual sports and leisure activities. Students will continue in topics relating to General Health with an emphasis on maintaining wellness. Topics include nutrition, physical and emotional fitness, family and social health, body systems, medicine and drugs, disease, and consumer health. The Driver's Education is the state required driver's education course in classroom instruction. The course does not include behind the wheel instruction. Freshmen who turn 15 prior to December 31 of the academic year, may opt to reverse Health II/Driver's Ed (normally taken sophomore year) and Health I/First Aid (normally taken freshman year) with parental approval and as space allows.

Sports Management (Elective 10-12. Prerequisites: Health 9): This course offers students a look at the diverse, expanding field of sport and recreation. Students will examine applications of managerial concepts and processes, and the ways in which organizations interact with each other. Students will have a hands-on opportunity to get an in-depth look at the practices, procedures and operations of event and facility management, including planning, funding, and managing sporting events at PC. The main focus of these principles will be on sporting events and facilities, but can be applied to many different areas, including corporate and social events.

Strength Training (Elective grades 10-12. Prerequisites: Health 9): Students will be placed on an anaerobic weight training program. They will demonstrate an ability to set personal fitness goals and then be given the tools and knowledge necessary to reach these goals. This knowledge includes proper lifting and spotting techniques, muscle identification and isolation, maintaining a workout journal, and concepts such as overload, progression, frequency, intensity, and time. Students will also begin to develop skills for injury treatment and prevention.

HISTORY AND SOCIAL SCIENCE

Civics (*Required grade 8*): While students are engaged in learning the basic elements of our government at the local, state, and national level. Included in this class will be study and testing taking skills, research skills with emphasis on outline preparation and MLA format, basic keyboarding, various note-taking techniques, organization and time management, and leadership, which will allow them to increase their potential for success at the high school level. These skills will be mastered in conjunction with mastering key concepts and terminology related to Civics which will introduce them to the skills necessary for becoming an active and responsible citizen.

World History I (*Required grade 9 or 10*) or **Integrated Honors World History I** (*Prerequisite: B/86 average in all grading categories at the five week point*): This course is the first part of a two-year sequence in World History and Geography. Students will explore the impact of geography and historical developments of people, places, and patterns of life from ancient times until 1500 A.D. in terms of impact on Western civilization.

World History II (*Required grade 9 or 10*) or **Integrated Honors World History II** (*Prerequisite: B/86 average in all grading categories at the five week point*): This course is the second part of a two-year sequence in World History and Geography. Students will examine the geography, social interactions, and cross-cultural comparisons necessary for an understanding of World History during the time period of 1500 A.D. to the present.

AP Human Geography (*May be used to satisfy the World History requirement during Freshman year; Prerequisite: B/86 average in English 8 plus evaluation of high school credits earned prior to enrollment; approval of Department Chair*): AP Human Geography is the study of how humans have understood, used, and changed the surface of the earth. Students will use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. Students will also learn to connect geographic concepts and processes to real-life scenarios, to understand information shown in maps, tables, charts, graphs, infographics, images, and landscapes; to see patterns and trends in data and in visual sources such as maps in order to draw conclusions from them, and to understand spatial relationships using geographic scales. The course is designed to meet the curricular requirements in the AP European History Course description published by the College Board. An exam fee of \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the required AP Test in May could result in one semester of

college credit.

AP European History (Two terms and two credits, may be used to satisfy the World History requirement during Sophomore year; Prerequisite: B/86 final average in ninth grade Social Studies course): AP European History is a survey of modern European history from approximately 1450 to the present. In addition to providing the students with a foundational narrative of the cultural and political events in modern Europe, there will also be an emphasis on the skills necessary to analyze historical evidence and documents. The primary approach to the course will be chronological, but a thematic approach will likewise be used to explore themes found in the intellectual, cultural, political, social, economic and diplomatic arenas. The course is designed to meet the curricular requirements in the AP European History Course description published by the College Board. An exam fee of \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the required AP Test in May could result in one semester of college credit. Students who wish to take AP European History but did not take AP Human their Freshman year will be tested during the school day in the spring semester prior to being approved for the course.

US History (Required grade 11) or **Integrated Honors US History** (Prerequisite: B/86 average in all grading categories at the five week point): Students study the political, social and economic life of the United States from its origins to the present. This survey course enables students to understand the ways in which our American culture has evolved in response to continuously changing historical demands and conditions. An emphasis is placed on the analysis of each historical period and the transition from one time period to the next.

AP United States History (one term class; prerequisite: B+/86 final average in Integrated Honors United States History; approval of Department Chair): This survey course of US History addresses the major themes of American history from the colonial period to the present in terms of social, economic, political and cultural development. It also analyzes the fundamental political institutions and their impact on the nation's expansion. Emphasis is placed on analytical thinking and problem solving. The course is designed to meet the curricular requirements in the AP US History Course description published by the College Board. An exam fee of approximately \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the required AP Test in May could result in one semester of college credit.

American Government (Required grade 12) or **Integrated Honors American Government** (Prerequisite: B/86 average in all grading categories at the five week point): Students study the American government

in depth with an emphasis on the background and structure of the political system and the nature of governmental decision making. The three branches of government are studied with a focus on the relationship between the institutions and the process.

AP American Government (*Prerequisite: B+/89 final average in Integrated Honors US History or B/86 final average in DE US History; and approval of the Department Chair following readiness evaluation if applicable*): Students study the branches of the American political system in great depth with an emphasis on the three branches of government and the intricate processes involved in each. Students focus on problem solving, analysis and independent research. Students are required to take the Advanced Placement examination. The course is designed to meet the curricular requirements in the AP American Government Course description published by the College Board. An exam fee of approximately \$95 will be billed in the spring for each student enrolled in this course. Successful completion of the required AP Test in May could result in one semester of college credit.

Introduction to Psychology (Elective grades 10-12): This survey course explores and applies basic psychological concepts. The diverse range of topics includes the biology of psychology, sensation and perception, consciousness, learning intelligence, social psychology, abnormal psychology, psychotherapy and human growth and development.

Abnormal Psychology (Elective 11-12): This course provides an examination of the various psychological disorders, as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is placed on terminology, classification, etiology, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques. Students are taught basic skills to assist in the assessment of disorders.

Introduction to Law (Elective 10-12): Students learn the skills necessary to understand legal principles. Students then use these skills to explore constitutional law. The class provides both the essential content and the critical tools necessary to understand legal principles. The class is designed around two main themes: 1. Understanding legal principles requires a knowledge of how the legal system operates, as well as a knowledge of how legal professionals understand legal issues and advocate for their clients, and 2. The law as a whole constitutes an expression of conduct set forth within the social contract. Topics include Constitutional Law, Court System and Criminal Justice, Civil Law.

Modern US History (Elective: 11-12, this course DOES NOT meet the requirement for the US History credit): Focus will be on the decades following World War II and the events that have shaped the United States of America today. Topics to be covered would include the start and end of The Cold War, Korean War, Vietnam War, Cuban Missile Crisis, Persian Gulf War, September 11th attacks, War in Afghanistan, War on Terror, Civil Rights Movement, assassination of JFK, Moon Landing and the Space Race, Rock and Roll, Woodstock, The Beatles, Ronald Reagan & conservatism era, changes in cultural phenomena including television and movies, changes in technology (including the internet), and lots more.

BUSINESS:

Economics and Personal Finance or **Integrated Honors Economics and Personal Finance** (*Integrated Honors prerequisite: B/86 in all grading categories at the five week point*). This course emphasizes basic economic concepts related to the students' roles as consumers, producers, and citizens. Students will learn how to shape their own financial lives, influence government and business economic policies and participate fully in the economic system of the United States. Students will learn the benefits of compound interest over time and that poor money management can lead to difficulty in obtaining credit. Students practice weighing costs and benefits of options when making choices about such things as careers, insurance, housing, investments, savings, automobiles, and health care.

AP Macroeconomics (*Elective grades 11-12; Prerequisites: B/86 final average in Integrated Honors Personal Finance or B+/89 final average in Personal Finance; and approval of the Department Chair following readiness evaluation if applicable*): This course is an introduction to macroeconomics and prepares students to take the AP Macroeconomics Exam that is administered in May. Successful achievement on the AP exam may allow the student to earn three hours of college credit. Topics discussed will reflect the material included in the Macroeconomics course description from the College Board. The class will emphasize economics principles as applied to the economy as a whole. Lessons will include an analysis of national income and its components, economic indicators, inflation and unemployment, money and banking, stabilization policies and the United States and world trade. An exam fee of \$95 will be billed in the spring for each student enrolled in this course.

Principles of Marketing (Elective 10-12): Principles of Marketing is an introductory course designed for students who are interested in exploring how products are developed, produced, promoted, and distributed. In this course, students will learn the aspects of marketing as they complete the various projects. Students will analyze industry trends and gain hands-on

experience in the marketing of goods, services, and ideas. Topics will include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and the impact of technology on the marketplace.

THEOLOGY

Protecting God's Children is a component of all Theology courses as mandated by the Diocese of Richmond.

Theology 8: The Church: Christ in the World Today (Required grade 8): Students will be guided in exploring and understanding the Catholic Church, as well as its origin, structure, and mission. Additionally, the course addresses the roles of the hierarchy, those in religious life, and the laity in supporting the mission of the Church. Particular attention is paid to the global presence of the Church as a light to all people.

Theology 9: Salvation History (Revelation of Jesus Christ in Scripture) / Christology (The nature, person and deeds of Jesus Christ) (Required Grade 9): Students are invited to encounter God through the narrative of Sacred Scripture and the salvation history as fulfilled in Jesus Christ. This will include exploring divine inspiration, and interpreting Sacred Scripture as guided by Dei Verbum and the magisterium. Christ is our source of understanding therefore we will focus on the nature (Divine-Trinitarian and human), person and deeds of Jesus the Christ.

Theology 10: Soteriology (Saving Works of Jesus Christ) / Morality & Theology of the Body (Life in Christ) (Required grade 10): The emphasis of this course will be on the Salvation that Christ won for us through the Paschal Mystery and how all of Sacred Scripture points to this salvific moment. Students will explore the meaning of God's sacred and mysterious plan for their lives and for all people. In light of the Paschal Mystery students will explore the moral concepts and precepts that guide their lives as disciples of Christ. Further students will discover the true dignity and purpose of their bodies through the Theology of the Body developed by Saint Pope John Paul II.

Theology 11: Ecclesiology (Study of Christ's continued life and mission in the Church) / Sacraments (Privileged encounters with Jesus Christ) (Required grade 11) or Integrated Honors Theology 11 (Prerequisite: B/86 average in all grading categories at the five week point): This course will focus on living Christ in community. We will explore the structure, nature and history of the Church and its relationship with other Christian Churches and non-christian religions. A central part of the identity of the Church is its sacramental life. We will explore each of the sacraments

and how they shape the identity and mission (both evangelical and service) of the Church. The course will work to move students a deeper understanding of who they are and how their sacramental life leads to a life of service and work for the Kingdom of God.

Theology 12: Capstone: Apologetics / Catholic Social Teaching (Required grade 12) or ***Integrated Honors Theology 12*** (Prerequisite: B/86 average in all grading categories at the five week point): Students will strengthen the foundation of Catholic theology and belief through Catholic apologetics. Students will be able to defend the teaching and belief of the Catholic faith in the areas of Theology of God, the Authority of the Catholic Church, the Sacraments of the Church, and the selected Moral teachings of the Church. Particular emphasis on the dangers of relativism will be faced, while building a strong and competent understanding of a full life within the Catholic Church. Catholic Social Teaching will be explored in relation to each of these units.

Intro to Catholic Culture (This course is for new students to Peninsula Catholic in grades 10-12). Students will learn the culture of a Catholic school environment and how the Catholic faith guides the way the school is structured. The students will work to understand the foundations of the Bible, Tradition, as well as the Sacramental and Moral life in Catholicism so that they are able to be successful in their grade level Theology course the following school year. The first two weeks of the course, students will also be taking the virtual course, PC Tech Bootcamp, which is designed to help students become familiar with the learning management system (Canvas) and other digital tools used at Peninsula Catholic High School including Google Docs, Google Slides, other Google options; videos and digital citizenship. This portion of the course is a pass/fail and a failing grade will require students to complete it a second time at an additional cost of \$50.

Comparative Religions (This course is offered to students in grades 11 & 12) The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions in the world, particularly major world religions and denominations. Building on Christian faith and tradition, the course is intended to help students to recognize the ways that spiritual truths can also be found in non-Catholic Christian churches, as well as in non-Christian religions. It is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith.

COURSES FOR INTERNATIONAL STUDENTS

English as a Second Language (for International students during their initial semester dependent upon academic language experience and

proficiency and placement test results; takes the place of appropriate grade level English course): This course is designed to help students who come from other language backgrounds quickly develop the language ability that will help them succeed in an English language instruction environment. By focusing on practical, academically relevant language, this course will prepare students to understand assignments, lectures, and readings in their other classes.