



# SCOPE & SEQUENCE

CHRIST CHURCH EPISCOPAL SCHOOL  
CHARACTER. COMMUNITY. EXCELLENCE. SERVICE.

Scope & Sequence	Primer	Grade One	Grade Two	Grade Three	Grade Four	Grade Five	Grade Six	Grade Seven	Grade Eight
<b>Christian Education</b>	Creation; God's laws; Jesus' miracles	Creation; God's love; spiritual journeys; Jesus' miracles	Creation; Chapel liturgy, Biblical format and communities; Ten Commandments; Jesus' parables	Creation; Biblical inspiration; Old Testament events; Discipleship	Creation; sin; forgiveness; spiritual disciplines; Gospels; Holy week	Biblical history and structure; Torah; prophets	Biblical history and structure; Gospels; Epistles	Moral growth; God's moral standards; ethical decision-making	History of religion; traditions/beliefs of major world religions; comparative religion
<b>English</b>	Grammar skills; introduce/practice writing structures; develop hand-writing mechanics; develop ability to listen/read/comprehend; introduce/recognize genre	Continue to develop grammar skills; continue to develop writing skills; continue to develop listening/reading/comprehension skills; continue exposure to variety of genre	Continue to develop grammar skills; develop different types of sentences; read/listen/comprehend literature; exposure to variety of genre; cursive handwriting	Use correct grammar in writing; further develop writing skills through various types of writing; utilize fluid cursive handwriting; develop auditory skills; independently read/comprehend genre; cursive handwriting	Continue correct usage of writing mechanics; utilize writing skills; correlate reading/writing; listen/read/comprehend through literary study; continue exposure to variety of genre	<b>Reading:</b> Strengthen comprehension through direct strategy instruction/independent reading; introduce literary analysis; strengthen grammar/usage concepts; analysis of vocabulary in context; integrate writing/listening/speaking skills <b>Writing:</b> Strengthen grammar/usage concepts; introduce six writing traits: ideas, organization, word choice, voice, fluency, conventions; introduce types of writing: descriptive, narrative, persuasive, imaginative; emphasize writing process; final presentations using arts/technology	Continued focus on reading comprehension; increased focus on literary elements; strengthen literary analysis; heighten awareness of grammar usage; enhance sentence structures, sentence variety, and vocabulary in writing; integrate literature and writing; strengthen academic writing processes.	Integrate reading comprehension with literary analysis; emphasize six writing traits; strengthen grammar/usage concepts; analyze vocabulary within context of writing; integrate listening/speaking skills	Integrate grammatical and mechanical elements with literary analysis; review literary elements through in-depth analyses; strengthen listening/speaking/vocabulary skills
<b>ESOL</b>	<b>Level 1:</b> Alphabet letter and sound recognition; complete oral responses to a question; introduction of high-frequency words and vocabulary; letter printing; story drawings; <b>Level 2:</b> High-frequency words and vocabulary; questions and responses; multi-stepped directions; simple sentences; <b>Level 3:</b> High-frequency words and vocabulary; following multi-stepped instructions; early reading skills with novels; early writing skills; writing in paragraph form; language arts skills; research skills; <b>Level 4:</b> High-frequency words and vocabulary; comprehending, following, and giving multi-step instructions; writing in paragraph form; reading intermediate novels; language arts skills; guided research skills; <b>Level 5:</b> High-frequency words and vocabulary; novel reading; multiple paragraph writing responses; following editor check list; research skills guided to independent work					Exchange information and ideas through oral collaborative discussions on a range of social and academic topics; interact with others in written English in various communicative forms (print, technology, and multimedia); offer and support opinions and negotiate with others; adapt language choices to various contexts; listen actively to spoken English in a range of settings; read closely literary and informational texts and view multimedia to determine how meaning is conveyed explicitly and implicitly through language; evaluate how well writers and speakers use language to support ideas and opinions with details or reasons depending on modality, text type, purpose, audience, topic and content area; analyze how writers and speakers use vocabulary and other language resources for specific purposes to explain, persuade, entertain; understand text structure and modify where appropriate; understand and apply transition words; use verbs, verb phrases, nouns, and noun phrases correctly; modify written and spoken English to add details; connect and condense ideas with increasingly more advanced vocabulary			
<b>History and Social Sciences</b>	Families and communities; responsible citizenship; interactions of environment and society; places and human systems	Families and communities in history; origins/functions of government; American citizenship; maps and globes; geography of local area; national economy and impact of choices	History of different cultures; communities; U.S. international relations; mapping continents and oceans; human systems, communication, and transportation; supply, demand, market, and trade	South Carolina history/geography/citizenship; South Carolina economy; entrepreneurship	Colonial United States/American Revolution; foundations of American politics; United States Constitution; continue study of geography; government/economy	<b>World Cultures:</b> Concept of other cultures: similarities and differences; map skills; reading and note-taking skills; use of technology to complete written documents	<b>Ancient Civilization:</b> Concept of civilizations; map skills and timelines: reading and using; note-taking skills; primary and secondary source analysis; essay writing; critical analysis: drawing conclusions	<b>United States History:</b> Overview: critical thinking and reading; map skills; note-taking skills; primary and secondary source analysis; essay writing; research and project skills	<b>World Geography:</b> Six essential elements of geography; map skills; charts and graphs: reading and using; note-taking skills; primary and secondary source analysis; comparison and contrast of world cultures; research and project skills; digital stories
<b>Libraries</b>	Retrieve information from a variety of sources (G P-4); collaborate with others to share knowledge (G P-4); read and select books according to interest and reading level (G P-4); formulate research-guiding questions (G 1-4); determine accuracy, relevance, and credibility of sources (G 2-4); choose appropriate formats for presenting ideas (G 2-4)					Formulate questions and access information based on research needs; evaluate information critically; present information creatively in appropriate formats; read and select books according to interest and reading level; use library and information technology resources appropriately			
<b>Mathematics</b>	Place value to 100s; numbers/number operations (+ -); sort/classify; measurements; geometric forms; problem solving; introduction to estimation	Place value to 100s; numbers/number operations (+ -); sort/classify; measurements; attributes of shapes; problem solving; increase ability to estimate	Place value to 1000s; numbers/number operations (+ - x); sort/classify; measurements; geometric principles; understanding of simple fractions; problem solving; increase ability to estimate	Place value to 10,000; whole number operations (all 4); statistics and probability; measurements; geometrical understanding; increase knowledge of fractions; problem solving; increase ability to estimate in real-life situations	Place value to 100,000; whole number operations (all 4); statistics and probability; measurements; geometrical understanding; review of and introduction to operations with fractions and decimals; problem solving; increase ability to estimate in real-life situations	Number concepts and operations: whole numbers, fractions, decimals, percents, and money; introduction to prime and composite numbers; operations; introduction to geometry; technology and math; algebra readiness; estimation and mental math, problem solving	Number concepts and operations: whole numbers, fractions, decimals, percents, and money; introduction to prime and composite numbers; operations; introduction to geometry; technology and math; algebra readiness; estimation and mental math, problem solving	<b>Pre-Algebra:</b> Number Operations: including operations on rational numbers; simplifying algebraic expressions; solving algebraic equations and inequalities; graphing linear equations and inequalities; proportional reasoning; geometry with 2-D and 3-D objects; statistical graphs; simple probability	<b>Pre-Algebra:</b> Equations and inequalities; integers; exponents; rational and real numbers; collecting, displaying, and analyzing data; plane geometry; perimeter, area, and volume; ratios and similarity; percents; probability; sequences and functions; polynomials; set theory <b>Algebra I and *Algebra I Honors:</b> Real Numbers; equations, inequalities, functions with one and two variables, absolute value, radicals, rational expressions, and quadratic terms; trigonometric ratios; probability; statistics <b>Geometry Honors</b>
<b>Modern and Classical Languages</b>	<b>Spanish:</b> Numbers 0–20; basic 10 colors; clothing; community places; farm animals; food and drink; Guatemala	<b>Spanish:</b> Numbers 0–20; basic 10 colors; clothing; seasons and weather; food and body; shapes; machine tools; Spain	<b>Spanish:</b> Numbers 0–20; 10 basic colors; clothing; body and food; community places; farm animals; days of the week; weather; Colombia	<b>Spanish:</b> Numbers 1–31; clothing; calendar; colors; geometric shapes; body parts; emotions; family and home; food; Peru	<b>Spanish:</b> Numbers 0–100; calendar; classroom objects; Spanish alphabet; food and menu/ordering in Spanish; family and home; weather; Mexico	<b>Exploratory Spanish:</b> Basic conversation in Spanish; Spanish alphabet; numbers 0-1,000; telling time; transportation; occupations; places in a city; sports; weather expressions; Spain	<b>Spanish A:</b> Greetings; subject pronouns; present tense; gender/number agreement; sentence structure; school; family; hobbies; food <b>French A:</b> Gender/number; present tense regular/irregular verbs; sentence and question structure; daily activities; Martinique; Haiti; French Revolution <b>Latin A:</b> Present tense; imperatives, infinitives; declensions; translation strategies; Trojan War; Roman daily life <b>Chinese A:</b> Greetings; home; family; shopping; Chinese family; compare Chinese and American food	<b>Spanish B:</b> Present tense; preterite tense; direct/indirect objects; commands; celebrations, shopping; the home; technology <b>French B:</b> Present tense verbs; Le Futur Proche-ALLER + infinitive; Le Passé Composé; reflexive verbs; L'Impératif; comparisons <b>Latin B:</b> Pluperfect tenses/infinitives; declensions; locative/temporal expressions; personal, reflexive, and demonstrative pronouns; recitation; Roman history: Britain/Egypt <b>Chinese B:</b> school life; time; weather; compare Chinese and American educational systems	<b>Spanish C:</b> Comparisons; routines; preterite and imperfect tenses; describing events; commands; subjunctive expressions <b>French C:</b> preterite; imperfect; future; conditional; health; daily routines; travel; environment <b>Latin C:</b> Future tense and participial phrases; introduction to passive voice; subordinate and relative clauses; Rome <b>Chinese C:</b> job; hobby; travel; speech patterns will be drilled through various classroom exercises
<b>Performing Arts: Music</b>	<b>General music:</b> Singing, playing, moving, improvising, and creating; pitch awareness, pitch matching, steady beat in ensemble, patterns, timbre, and performance etiquette; same/different, long/short, fast/slow, and timbre; music as relates to PYP units, art, and other subjects	<b>General music:</b> Singing, playing, moving, reading notation, improvising, and creating; pitch matching, steady beat, and rhythmic accuracy — including partner and ensemble work, timbre, and performance etiquette; echo, question/answer, duration, tempo, and piano/forte; music as relates to PYP units, art, and other subjects	<b>General music:</b> Singing, playing, moving, reading notation, improvising, and creating; pentatonic scale, ensemble work, timbre, creative movement, folk dance, and performance etiquette; AB, ABA, phrase length, duration, tempo, and dynamics; music as relates to PYP units <b>Extracurricular Offering: Handbell Choir</b>	<b>General music:</b> Singing, playing, moving, reading notation, improvising, and creating; diatonic scale, pitch and rhythmic accuracy, ensemble skills, performance etiquette; Rondo; Voice, recorder, xylophone, and drum technique; music as relates to PYP units <b>Extracurricular Offerings: Choir, Handbell Choir, Percussion Ensemble</b>	<b>General music:</b> Continues from G 3; major and minor scales, focus on reading notation with recorder, xylophone and drums, expanded ensemble skills, small group composing projects, music vocabulary <b>Extracurricular Offerings: Choir, Handbell Choir, Percussion Ensemble, Strings</b>	<b>General music:</b> Notation: including duple groupings and time signatures; accompaniments using tonic, dominant, and subdominant chords; pieces from various cultures emphasizing Bach and the Baroque Period; performance and improvisation: singing and playing in one or two parts; music vocabulary <b>Electives: Choir, Advanced Treble Choir, Orchestra, and Band</b>	<b>General music:</b> Notation: including duple and triple groupings and time signatures; creation of two-part pieces on Orff instruments; analysis of pieces from various cultures, emphasizing Mozart and the Classical Period; performance and improvisation: singing and playing in up to three parts; music vocabulary <b>Electives: Choir, Advanced Treble Choir, Orchestra, and Band</b>	<b>General music:</b> Notation and styles related to spirituals, gospels, ragtime, jazz, and rock and roll; creation of accompaniments typical of Civil War period; analysis of pieces from American music, emphasizing Civil War to mid-20 <sup>th</sup> century; performance of American songs using voice, Orff, and percussion instruments; expanding music vocabulary <b>Electives: Choir, Advanced Treble Choir, Orchestra, and Band</b>	<b>General music:</b> Music of the world; music theory-chord construction and form; composition-part writing and harmonic analysis; aural skills-dictation <b>Electives: Choir, Advanced Treble Choir, Orchestra, and Band</b>
<b>Performing Arts: Drama</b>	<b>Drama Elective:</b> Acting and elements of theatre as storytelling medium; improvisation and acting exercises; storytelling through group playwriting; evaluation and reflection on individual and group processes; themes of interest, literary genres, story through acting, and improvisation; small-scale writing exercises								
<b>Physical Education</b>	<b>PE:</b> Spatial awareness; locomotor activities; basic tumbling; basic rhythm activities; basic sport-skills fitness activities; cooperation. <b>Health:</b> Teasing; bullying; germs; basic food groups; hydration; land-fills and recycling; noise pollution.	<b>PE:</b> Continues from Primer <b>Health:</b> Medicine safety; how germs spread; heart health; exercising in hot and cold weather; essential nutrients; hygiene; safety	<b>PE:</b> Basketball; soccer; throwing and catching; simple balances; basic rhythm activities; sport-skills fitness activities; lifelong fitness. <b>Health:</b> Fire safety; health services; environmental health; family health; resolving conflicts; healthy friendships; extreme environments.	<b>PE:</b> Continues from Grade 2; pedometers; educational gymnastics; advanced rhythm activities. <b>Health:</b> Body systems; create-a-game; infectious disease; chronic disease.	<b>PE:</b> Continues from Grade Three <b>Health:</b> Wellness history; drug safety; health in media; chemical energy in food; nutrition facts	<b>PE:</b> Sports skills; hand-eye coordination; manipulatives including throwing, catching, striking, kicking, trapping, and dribbling <b>Health:</b> Fitness concepts; fitness development exercises; assess personal fitness; set goals for improvement or maintenance	<b>PE:</b> Self-responsibility; positive social interaction; group dynamics; physical fitness; team handball and/or flag football; volleying skills; paddle tennis, pickle ball, or tennis; dribbling skills; basketball; soccer <b>Health:</b> Body systems: muscular, skeletal, circulatory, and pulmonary; five components of health; six components of skill	<b>PE:</b> Continues from Grade Six; team handball; ultimate frisbee, softball; track and field skills; volleyball <b>Health:</b> Effects of not living a healthy lifestyle; heart disease, high cholesterol, high blood pressure	<b>PE:</b> Continues from Grade Seven; defensive and offensive strategies; lacrosse; floor hockey; ultimate Frisbee <b>Health:</b> Living an active and fit lifestyle; how to create an effective exercise routine
<b>Sciences</b>	Plants and insects; five senses; soil and rocks; recycling; introduction to matter and light; scientific inquiry	Plants and animals; human body parts; weather and water cycle; six simple machines; scientific inquiry	Organisms, fossils, environments, and ecosystems; the solar system; microscope parts; the laws of motion; the food chain and decomposition; scientific inquiry	Human body and systems; natural disasters; landforms and plate tectonics; three forms of matter; scientific inquiry	Communication; microorganisms; electricity; energy and work; scientific inquiry	<b>General Science:</b> Environmental Science including mapping the study site, measurements, ecological concepts of food chains, food webs, energy pyramids, home range; Models & Design including concept of black boxes, building, testing, recording, constants and variables; Solar Energy including energy transfer, heat gain and loss, passive solar; famous scientists; current events	<b>Earth Science:</b> Organizational skills; scientific inquiry; geology and oceanography; fresh water systems; conservation unit involving the SC brook trout; weather and the atmosphere; climate; environmental awareness; current events	<b>Life Science:</b> Instrument use; measurements; scientific inquiry; cellular organization; classification of living things; DNA; heredity; diseases of the human body; all body systems; ecology; current events	<b>Conceptual Physics:</b> Instrument use; conversions; measurements; Newton's Laws of Motion; circular motion; center of gravity; momentum; energy; atoms and subatomic particles; elements and the Periodic Table; compounds; molecules; balancing chemical equations; acids; bases and salts; current events
<b>Technology</b>	Word processing, spreadsheet, and presentation applications; internet safety; peripheral use; use of iPad, touch-typing from 10 gwam (G 2) to 20 gwam (G 4)							Computer science and graphical arts survey courses; game programming; app development; robotics using Hummingbird Robot Kits; 3-D modeling; photo editing; the inter-working of a computer, media literacy, and internet safety are also covered	
<b>Visual Arts</b>	Starting points; various media; 2-D and 3-D works of art; introduction to elements of art/design; introduction to tools, materials, and techniques; objects, images, and techniques in societal art; art and special events around the world; discussion of art from self and others	Response to art as a personal starting point; various media; tools and materials for different outcomes; identification of elements of art/design; individual response to art; artists' work; self-criticism for improvement and confidence	Generation of ideas; variety of expression; 2-D and 3-D works for specific purposes; relationships among elements of art/design; use of tools, materials, and techniques; perspectives on artworks; effect of styles, period, and media on art; art vocabulary; solving artistic problems	Various media; sketchbooks; elements and principles of art; responding to art; chronology of art history; careers in art; comparison of historic and cultural art; art as an expression of feelings or response	Visual arts in the PYP exhibition; independence in the creative process; self assessment; application of elements and principles of design for producing and responding to art; research and presentation of artists; individual and social uses of art; creative expression across cultures, periods, and styles	Elements of art and principles of design; art attributes; self portraiture: finding details and skin tone; collage: organic and geometric shape; ceramics: basic hand-building techniques; art and recycling: Christmas tree ornaments and bottle sculpture; design: portfolio designs and creating symbols	Elements of art and principles of design; art attributes; self portraiture: facial expressions; collage: creating the elements of art; ceramics: drape models and applied clay; art and recycling: reused materials ornament; design: portfolio designs	Elements of art and principles of design; art attributes; self portraiture: drawing with a mirror, proportion, and value; collage: creating the principles of design; ceramics: slab relief tiles; art and recycling: transforming cardboard boxes; design: portfolio designs, color concept designs, and color theory	Elements of art and principles of design; art attributes; self portraiture: drawing with a photo and expressive color; collage: assemblage; ceramics: vessel forms with surface decoration; wheel throwing; art and recycling: mixed media project; design: portfolio designs

Scope & Sequence	Grade Nine	Grade Ten	Grade Eleven	Grade Twelve
Christian Education	Nature of God in Old and New Testaments; Paul's theology; the early Church; connections between the Testaments		<b>Spirituality and Ethics:</b> Biblical ethics in the 21st Century; ordinary people making extraordinary choices; spiritual disciplines <b>Service Learning:</b> civic participation; self-understanding and growth; leadership; real-world decisions	
English	<b>College Prep:</b> Continue to develop grammar skills; oral presentations; recitations of Shakespeare; vocabulary study; continue practice of four types of writing; continue working on writing structure; continue to study all major genre; continue to develop basic research skills <b>Honors:</b> Continue study of literary genre with focus on British literature; expanded vocabulary study; oral presentations; continue study of research skills; continue practice of writing structure; continue study of grammar skills	<b>College Prep:</b> Continue to develop grammar skills; oral presentations; recitations of Shakespeare; vocabulary study; continue practice of four types of writing; continue working on writing structure; continue to study all major genre; continue to develop research skills <b>Honors:</b> Continue study of literary genre with focus on British literature; expanded vocabulary study; oral presentations; continue study of research skills; continue practice of writing structure; continue study of grammar skills	College Prep; Honors	College Prep; Honors; AP; IB; IB A2; Senior Thesis; Extended Essay
ESOL	See ESOL objectives for grades five through eight. Each objective is taught at a beginning, intermediate, or advanced level dependent upon the student's English proficiency.			
History and Social Sciences	<b>Ancient and Medieval History:</b> Foundations of Western Civilization; characteristics of successful societies; individuals and their impacts on history; note-taking and document reading <b>Non-IB: Year-long classes only:</b> Ancient and Medieval	<b>United States History or United States History AP:</b> Colonization to late 20 <sup>th</sup> century; political, economic, and social systems; historical analysis; written, oral, and multimedia expression; AP test preparation <b>Non-IB: Year-long classes only:</b> U.S. History (AP is an option)	<b>Modern European History or European History AP; History (20th Century Topics) SL IB; Psychology Honors, Psychology SL IB; Economics IB; Economics SL IB</b>	<b>Introduction to Psychology; Psychology AP; Psychology HL IB; Psychology SL IB; Government; U.S. Government and Politics AP; Comparative Government and Politics AP; Economics; Economics SL IB; Twentieth Century Topics IB; History SL IB (20th Century Topics); History HL IB (20th Century Topics); Chinese and Japanese History</b>
Libraries	Search and retrieve information in print and digital environments; assess authority, currency, accuracy, and appropriateness of information; present information in oral, written, and visual formats; exhibit ethical behavior in the use of information and technology			
Mathematics	Algebra I and Algebra I Honors; Geometry and Geometry Honors; Algebra II, Algebra II Advanced, and Algebra II Honors; Precalculus, Precalculus Advanced, and Precalculus Honors; Calculus AB AP and Calculus BC AP; Probability and Statistics AP; Statistics AP; Math Studies IB; Mathematics SL IB; Mathematics HL IB			
Modern and Classical Languages	Spanish I, Spanish II, Spanish II Advanced, Spanish III and Spanish III Honors; French II, French III, and French III Honors; German I; Latin II and Latin III Honors; Chinese I, Chinese II, and Chinese III	Spanish II, Spanish II Advanced, Spanish III, Spanish III Honors, Spanish IV and Spanish IV Honors; French III, French III Honors, French IV, and French IV Honors; German II; Latin III, Latin III Honors, and Latin IV AP; Chinese II, Chinese III, or Chinese IV AP	Spanish III, Spanish IV, Spanish IV Honors, Spanish V Honors, Spanish V AP, and Spanish IB SL or HL; French IV, French IV Honors, French V AP, and French IB SL or HL; German III; Latin IV AP, and Latin IB SL or HL; Chinese III and Chinese IV AP	Spanish V Honors, Spanish V AP, and Spanish V IB SL or HL; French V Honors, French V AP, and French V IB SL or HL; German IV, German IB SL or HL, and German Ab Initio; Latin AP and Latin IB SL or HL; Chinese IV AP and Chinese IB SL or HL
Performing Arts: Music	<b>Singing for Non-Singers:</b> Vocalization techniques; remedial techniques for laryngeal muscles; singing as enhancement for athletics and general health; performance technique <b>Music History:</b> Forms, genre, and historical significance of art music; relationship of applied music skills to art music; world music and its relationship to art music <b>Music Theory Pre-AP and AP*:</b> Modes of music: major, minor, church, pentatonic, and chromatic; intervals: triads, sevenths, and chromatic; inversions, and use of fundamental bass; rhythm: note/rest values, simple and compound meter, changing meter, polymeter, odd meter, and rhythmic transcription; *formal processes of music through composition; *writing in four-part harmony; *melodic and harmonic dictation; *advanced sight singing <b>Choir:</b> Sight reading/sight singing; melodic structure; musical symbols for performance music; stylistic features of performed music and cultural context; rhythmic interpretation through movement; voice training; ear training with 4- to 6-part harmony <b>Orchestra:</b> Circle of fifths, chord structure, composition, and form; mechanics and physics of tone production; music history; performance practice; phrasing, intonation, melody, and harmony <b>Band:</b> Four-year rotation of classical history, analysis, composition, and theory; variety of performance repertoire; scales: major, minor, and chromatic; rhythms, meter, and tempo; phrasing, intonation, melody, and harmony			
Performing Arts: Drama	<b>Theatre I:</b> Origins: development of theatre; analysis of live productions; theatrical genres, production elements, acting, and theoretical orientation; interpretation of genres and productions; Shakespearean texts <b>Theatre Honors and Theatre IB* (Grades 11 and 12):</b> Theatrical styles of performance from around the world; disciplines of theatre; performance with application of techniques; major playwrights and theoreticians; *IB-prescribed stimuli into theatrical production <b>Speech:</b> Speech development, dialect, accent, and culture; self-analysis of speech; descriptive aspects of speech; tenets of public speaking/types of speeches; historical models <b>Film Appreciation (Grades 11 and 12):</b> Film history and major stages; film critique; major filmmakers: genres and styles; composition as related to cinematography: light, color, and movement; developments in film technology			
Physical Education	<b>PE I:</b> Disc golf; tennis; volleyball; archery; physical fitness-performance skills; fitness tests; physical fitness-health skills; personal fitness plan; first aid and CPR certification	<b>Personal Fitness:</b> Health and fitness with individual workout programs <b>Nutrition and Exercise Science:</b> Student will study the Fundamental principles of eating properly; physical fitness; metabolism; calories in versus calories out; correlation between food and athletic performance <b>Strength and Conditioning:</b> weight room safety; principles of circuit training; and free weights		
Sciences	<b>Biology:</b> Provides an understanding and appreciation of the diversity and unity of life; Exploratory labs and use of iPad <b>Biology Honors:</b> Emphasis on independent experimental design and research projects; Challenging topics with exploratory labs and use of iPad	<b>Chemistry:</b> Focuses on the study of atomic and electronic structure including chemical bonding, gas laws, and organic chemistry; lab work is emphasized <b>Chemistry Honors:</b> In-depth study of chemistry assuming the ability to deal comfortably with mathematical relations; lab work is emphasized	After 10th grade, there are many choices based on student interests, goals, and abilities. <b>Env. Science, Env. Sys./Soc.SL IB, Physics, Physics I AP, Biology HL Hon., Biology SL IB, Chemistry SL/IB</b>	<b>Environmental Science, Env. Science AP Physics II AP, Physics SL/HL IB, Physics C AP Biology AP, Biology HL IB, Chemistry AP</b>
Technology	Internet and Mobile Applications; 3D Modeling Graphics & Animation, Introduction to Computer Programming		<b>Computer Science AP and IB:</b> Program design; programming constructs; console output and control concept in object oriented programming; Java library classes; testing and debugging; modify existing code; algorithm analysis; 1-D and 2-D arrays	
Visual Arts	<b>Grades 9–12:</b> Sculpture and Crafts I and II; Ceramics I and II; Fundamentals of Art I and II; Digital Photo Media I and II; <b>Grades 10–12:</b> Video Communications I <b>Grades 11–12:</b> Art Honors and Art Studio AP; Visual Arts Honors and Visual Art HL IB			