

# CURRICULUM MAP

LOWER SCHOOL		GRAMMAR/ SPELLING	VOCABULARY	LIBRARY	SOCIAL STUDIES	MATHEMATICS	SCIENCE	TECHNOLOGY	FOREIGN LANGUAGE	ARTS	PHYSICAL EDUCATION	ENRICHMENT	
1	<p>Identifies letters. Recognizes/identifies word patterns. Decodes words using phonics and context clues. Develops sight vocabulary. Identifies story elements. Sequences story events. Predicts, makes inferences, and summarizes. Reads fluently and identifies a variety of genres. Identifies main idea/supporting details. S.S.R. (Sustained Silent Reading). Enrichment reading. Distinguishes realism/fantasy. Compares and contrasts.</p>	<p><b>Handwriting:</b> D'Nealian--correctly forms letters and numerals. Writes neatly using guidelines/correct spacing. <b>Writing Process:</b> Writes complete sentence, simple story, para-graph using four basic styles. Revises/edits drafts for spelling/punctuation/capitalization. Researches/writes about given subject. Writes simple book report, friendly letter, entries in a journal. 6 + 1 Traits of Writing.</p>	<p><b>Grammar:</b> Begins sentences with a capital letter. Ends sentences with proper punctuation. Uses correct subject/verb agreement. Forms verb tenses correctly. Forms plurals correctly. Identifies/uses nouns and verbs correctly. Identifies types of sentences. <b>Spelling:</b> Applies spelling rules when writing new words and phrases. Spells high frequency words. Spells assigned words from units of study.</p>	<p>Matches definitions to words. Uses context clues for meaning. Uses correct homonym, antonym, and synonym. Identifies rhyming and compound words. Alphabetizes words by first letter.</p>	<p>Listening skills. Responsible library use. Literary genres. Enrichment activities including books, discussions, storytelling, and puppetry based on notable children's literature, authors, and curriculum. <b>Special Activities:</b> "Around the World," SC Picture Book Award, reading incentives, "book buddies," poetry celebration, summer reading.</p>	<p>Defines community and its importance. Compares/contrasts different communities. Reads/makes map of communities. Defines roles in community. Gives characteristics of a successful community. Explains how a community connects its citizens. Makes rules to govern community and explains importance. Positively resolves conflicts. Wants/Needs. Topics: Classroom. School. Neighborhood. City. Thanksgiving and Christmas.</p>	<p>Numeration: counts by 1s, 2s, 5s, and 10s beyond 100. Reads/writes 2- &amp; 3-digit numbers. Identifies place value through hundreds. Identifies/notates fractions. Identifies odd and even numbers. Operation: adds/subtracts single digits. Adds/subtracts 10s from 1- or 2-digit numbers. Word problems. Uses equality signs. RIBBIT program. Measurement: time to hour, temperature, length, and width. Money: identifies coin values, makes exchanges. Data: collects, organizes, graphs. Geometry: identifies polygons and solids. Makes/labels line segments and points. Rules/Patterns: identifies and forms patterns. Classifies by attributes. Recognizes pattern rules. Develops strategies for mental math. Verbalizes mathematical thinking. Estimates. Understands number relationships.</p>	<p><b>Life Science:</b> Plants. <b>Physical Science:</b> Sound. <b>Earth Science:</b> Rocks and minerals. <b>Environmental Science:</b> Habitats of Heathwood—<i>The Pond</i>: animals, plants, food chain, water properties, conservation.</p>	<p>Basic terminology and uses of computers. Beginning keyboarding, focusing on letter location. Using Everyday Math Games software to practice math concepts. Computer painting using TuxPaint. Creating simple storybooks using RealeWriter. Researching pond animals on the Internet. Illustrating pond life using Kidspiration. Creating simple graphs using Graph Club.</p>	<p>French once weekly. Simple conversation with emphasis on pronunciation/vocabulary building. The video series <i>Bonjour Les Amis</i> will be used and supplemented with units on numbers, parts of the body, farm animals, words of personal description, classroom objects, and community. Songs, nursery rhymes, and games will be used often.  Habitats -- ponds</p>	<p><b>Art:</b> Integrates areas of study, art history, and development of art skills. Introduction to the art elements: line, shape, color, texture, and space. Drawing, cutting, painting, gluing, mixed-media, crayon engraving, clay tiles, printmaking, and computer art. <b>Music:</b> Elements of music. Introduction to the instruments of the orchestra. Correlation of music to the curriculum. Hymns for chapel. Music for a pond habitat.</p>	<p>Daily P.E. Locomotor actions, manipulation. Physical fitness. Nutrition. Health. Body management. Educational gymnastics. Skills: throwing; catching; striking with hands, feet, and implements. Cooperation and communication in cooperative activities. Fitness: track and field, jump rope, stations, bowling, dance.</p>	<p>Junior Achievement. Guest speakers. Field trips: Swan Lake, Recycling Center, ballets. Safe and Sound Town. Upper School science labs. Outdoor Education. Classroom Enrichment Kits. Guidance lessons. ZOOM. <b>Thinking Skills:</b> Introduction to Thinking Skills (Divergent, Convergent, and Elaboration). Edward DeBono's Six Thinking Hats. Roger Von Oech's Four Roles of the Creative Process.</p>
	2	<p>Fables and poetry. Realistic fiction, non-fiction, biographies, and autobiographies. Selections from American history. Book reports. Oral reading assigned daily. Summarizes, predicts, browses, infers, evaluates, describes, distinguishes main idea and supporting details. Decodes words using phonics and context clues. Develops sight vocabulary. D.E.A.R. (daily reading). Enrichment novels.</p>	<p><b>Handwriting:</b> D'Nealian--letter and numeral formation (manuscript). <b>Writing Process:</b> Creative writing, poetry, letter writing, book reports, and journal writing. One-topic research paper with simple note-taking. Expository writing. Persuasive writing. Voice in writing. 6 + 1 Traits of Writing.</p>	<p><b>Grammar:</b> Introduction to parts of speech and parts of the sentence. Capitalization rules. Punctuation rules. Subject/verb agreement. <b>Spelling:</b> Weekly spelling words are taken from phonics lessons and vocabulary words. Sentence dictation is given with each spelling test.</p>	<p>Vocabulary words come from literary selections in reader. Words are looked up in glossary and definitions are learned.</p>	<p>Listening skills. Specific arrangement of materials. Introductory search/location skills. Reference using non-fiction materials. Author/title bibliographies. Enrichment activities: storytelling, reading, discussions, and puppetry based on children's literature, authors, curriculum. Native American folklore. Author studies. <b>Special Activities:</b> "Around the World," SC Picture Book Award, reading incentives, poetry celebration, summer reading.</p>	<p>People and Communities. Other Topics: Holidays. Historical figures. Important US dates. Study of Native Americans. Map Skills: Map key and symbols. Locating directions (N,S,E,W). This is integrated with the Language Arts program.</p>	<p>Numeration: Counts by 1s, 2s, 5s, and 10s beyond 1,000. Reads and writes 5-digit numbers. Identifies place value through thousands. Compares one-part fractions. Operations and Relations: Adds and subtracts multi-digit numbers. Adds and subtracts with 10s and 100s. Computes word problems mentally and in written form. Participates in RIBBIT program. Exploring Data: Recognizes relationships, compares, and interprets data. Geometry: Compares shapes, makes and classifies polygons. Measurements: Tells time before and after hour. Uses appropriate measuring tool and unit. Money: Relates values of coins. Makes change. Rules and Patterns: Identifies and forms patterns. Introduction to multiplication, division, and fractions.</p>	<p><b>Life Science:</b> Oceans: Location of oceans, plants and animals, water cycle, waves, currents, tides. <b>Physical Science:</b> Light: Energy source and use. <b>Earth Science:</b> Weather: Types of storms, precipitation, temperature, wind, clouds, seasons. <b>Environmental Science:</b> Habitats of Heathwood—<i>The Forest</i>: animals, plants, trees, food chains, adaptation, water habitats.</p>	<p>Keyboarding, focusing on using both hands. More advanced painting using TuxPaint and KidPix. Using Everyday Math Games software to practice math concepts. Creating ocean reports and storybooks using RealeWriter. Using the Internet to research forest animals. Creating an Internet scavenger hunt. Creating a concept map using Kispiration. Creating simple graphs using Graph Club.</p>	<p>French or Spanish twice weekly. Conversation/pronunciation skills in context areas to include introduction/greetings, expressing affection and preferences, one's age, time, daily activities, physical description, family, foods, counting, classroom, home, colors, days, animals. Cultural capsules, geography, holidays. Videos, books, rhymes, songs, and games. Reading introduction.  Habitats -- forests</p>	<p><b>Art:</b> Integrates areas of study/art history. Further exploration of the art elements and introduction to principles of design. Drawing, painting, cutting, gluing, printmaking, pottery, sand paintings, book-making. <b>Music:</b> Elements of music. Instrument families of the orchestra. Use of listening map. Hymns for chapel. Class musical. Music for forest habitat.</p>	<p>Daily P.E. Refinement of locomotor actions. Manipulation. Physical fitness. Nutrition. Health. Body management/educational gymnastics. Skills: refining throwing; catching; striking with hands, feet, and implements. Cooperation and communication in cooperative activities. Fitness: track and field, jump rope, stations, bowling, dance.</p>

3	<p>Fiction. Non-fiction. Biographies. Poetry. Stories from reading series. Literature circles. SC Children's Book Award nominees. Research reading. Teacher reads aloud books. D.E.A.R. (daily reading). Biography book talks second semester.</p>	<p><b>Handwriting:</b> D'Nealian--refine cursive writing skills. <b>Writing Process:</b> Write a paragraph. Write a story. Research—two sources. Note-taking. Poetry. D.E.A.R. Diary. 6+1 Traits of Writing.</p>	<p><b>Grammar:</b> Types of sentences: run-on, compound. Paragraphs: main idea, topic sentence. Contractions. Parts of speech. Punctuation rules. Singular and plural nouns and pronouns. Subject-predicate agreement. Possessives. Capitalization. <b>Spelling:</b> Weekly spelling assignments. Words generated from curriculum and reading book.</p>	<p><i>Wordly Wise.</i> Vocabulary from the curriculum. Build on dictionary skills. Wordmasters analogy program.</p>	<p>Listening, search, location, and reference skills. Reference reports. Literature appreciation. Examine literary components. Enrichment activities, including reading, discussions, storytelling, puppetry, based on children's literature, authors, curriculum. <b>Special Activities:</b> SCCBA contests, SC Picture Book Award, SC Challenge, poetry celebration, reading incentives, summer reading.</p>	<p>South Carolina map skills. Hemispheres. Continents. Oceans. Flat Stanley project. U.S. states and capitals. Regions of South Carolina. Early South Carolina history. Revolutionary War. The Young State. Civil War and the years after. SC--20th Century, pre-WW II. Growth/Change after WW II. Water Resources. Land Resources in South Carolina. South Carolina Dictionaries. South Carolina Day.</p>	<p>Collecting and analyzing data, problems with dollars and cents, number patterns. Addition and subtraction: number families, multi-digit numbers. Linear Measures: standard linear units, perimeters of polygons, area, diameter, circumference. Multiplication and Division: facts and shortcuts; fact families; estimating distance; square numbers; 3-dimensional shapes; multiples of 10, 100, and 1,000; estimating costs; mental arithmetic; multi-digit numbers; positive and negative numbers; factors of whole numbers; RIBBIT program. Place Value: to millions, decimals and Base-10 blocks, decimals to thousandths, line graphs. Geometry: segments, lines, rays, angles, triangles, quadrangles, polygons. Fractions: decimals and rulers, equivalent fractions. Measurement: volume, units of weight, finding averages, angles, coordinate grids. Probability: chance events, experiments in probability.</p>	<p><b>Life Science:</b> Animal classification: vertebrates and invertebrates. <b>Physical Science:</b> Magnetism. <b>Earth Science:</b> Astronomy. Constellations. Mythology. <b>Environmental Science:</b> Habitats of Heathwood—<i>The Wetlands</i>: kinds in South Carolina, Heathwood wetlands, conservation, preservation, ecology, plants, and animals.</p>	<p>Beginning touch typing using keyboard covers. Creating a simple presentation using MicroSoft PowerPoint. Simple computer programming using LOGO. Basic word processing/editing using MicroSoft Word. Using Everyday Math Games software to practice math concepts. Creating a PowerPoint presentation about an animal, incorporating research from the classroom.</p>	<p>French or Spanish three times weekly. Reading text and workbook—collection of appropriate materials. Speaking, listening, reading, and writing skills. Extensive vocabulary for basic conversations, description, action verbs, family, days, months, weather, animals, clothes, house. Numbers 1-100. Culture: France, Paris, famous people. Videos, music, computer.</p>	<p><b>Art:</b> Focus on SC artists with emphasis on art elements and principles of design. Drawing, painting, designing, printmaking, pottery, mobiles, and computer art. <b>Music:</b> The elements of music. American music with an emphasis on SC music. Study of the string family. Composers of the world. Music for the solar system. Hymns for chapel. Music for wetlands habitat.</p>	<p>Daily P.E. Physical fitness. Nutrition. Health. Fitness journals. Body management/educational gymnastics. Manipulation. Skills: game skills—simple offense and defense utilizing motor skills such as throwing, catching, striking in conjunction with various games. Jump rope, bowling, dance, stations. Sportsmanship.</p>	<p>Junior Achievement. South Carolina Day. Chorus. Guest Speakers. Storyteller. Willie Bell Nettles Concert. Field Trips: State House, Riverbanks Zoo, SC State Museum, Congaree Swamp, Star-gazing nights (astronomy). Classroom Enrichment Kits. ZOOM. <b>Thinking Skills:</b> Edward DeBono's CoRT materials: (breadth tools), PMI, CAF, C&amp;S, AGO, FIP, APC, and OPV. Creativity through children's literature.</p>
4	<p>Novels: <i>In the Year of the Boar and Jackie Robinson</i>, <i>Mrs. Frisby and the Rats of NIMH</i>, <i>Adventures of Greek Heroes</i>. Biographies and oral book talks. Civilizations: Books on Ancient Egypt, Ancient Greece, and the Sumerians. Book buddies. SC Nominee books. <i>Time for Kids</i> magazine. D.E.A.R. (daily reading).</p>	<p><b>Handwriting:</b> D'Nealian--continue cursive writing skills. Letter writing. <b>Writing Process:</b> pre-writing (brainstorming, webbing, mapping), first draft (revising, editing), final draft (sharing). Creative writing. Opinion writing (critiques of others' work). Journal writing. Reflective writing of novels read. Essays for Create-A-Country Exhibition. Research: multiple resources, outlining, notetaking, bibliography. 6 + 1 Traits...</p>	<p><b>Grammar:</b> Parts of speech in conjunction with <i>Wordly Wise</i>. Punctuation rules. Capitalization. Possessives. Contractions. Plurals. Subject/verb agreement. Run-on sentences. Paragraphs. Main idea. Topic sentence. <b>Spelling:</b> Weekly spelling assignments. Words generated from curriculum, <i>Wordly Wise</i>, and spelling book.</p>	<p><i>Wordly Wise</i> and vocabulary generated from curriculum. Wordmasters analogy program.</p>	<p>Search skills: title, author, subject. Dewey Classification. Reference skills: multiple-resource reference work with print and electronic resources. Simple bibliographies. Literature appreciation. Storytelling. Greek Mythology introduction. <b>Special Activities:</b> Library Club, book swaps, library lunches, SCCBA contests, author visit, poetry celebration, research reading.</p>	<p>Timelines: personal, historical. Characteristics of a civilization: economics, social conditions, politics, religion, expression (art). The study of Sumer, Ancient Egypt, and Ancient Greece. Comparing and contrasting civilizations. US and world geography skills. Create-A-Country Exhibition.</p>	<p>Geometry: line segments, lines, rays, angles, parallelograms, polygons, constructing geometric figures. Using Numbers/Organizing Data: place value in addition/subtraction, multi-digit numbers, organizing data, finding the median. Multiplication and Division: facts, parentheses in number sentences; RIBBIT program. Decimals: place value, tenths, hundredths, thousandths. Measures of Angles: protractors, coordinating grids. Fractions: reviewing basic concepts, equivalent fractions, relationship to decimals. Big Numbers, Estimation, Computation: estimating, exponential notation. Reflections and Symmetry: lines of symmetry, properties of reflection, positive/negative numbers. Percents: relationships among fractions, decimals, and percents; converting fractions to percents; using calculators. Area Perimeter: area concepts; scale drawings; formulas for areas of rectangle, triangle, parallelogram. Rates: introduction/solving problems.</p>	<p><b>Life Science:</b> Ant and bee communities. <b>Physical Science:</b> Simple machines. <b>Earth Science:</b> Formation of the Earth: Pangaea, plate tectonics, ring of fire, formation of mountains. <b>Environmental Science:</b> Habitats of Heathwood—<i>The River</i>: formation of rivers, parts of a river, river habitats.</p>	<p>Touch typing using keyboard covers. Using Sim Ant as an enrichment of the science unit in the classroom. Internet searching strategies. Ancient Sumer scavenger hunt. Using Everyday Math Games software to practice math concepts. Creating a spreadsheet and graph using MicroSoft Excel. Creating a sophisticated PowerPoint presentation, incorporating scanned images, computer drawings, text, and animation.</p>	<p>French or Spanish four times weekly. Reading text and workbook—collection of appropriate materials and <i>Level 2 Adventures</i>. Speaking, listening, reading, and writing skills. Extensive vocabulary for description, flowers, colors, body, health, weather. Grammar lessons. Numbers 1-1,000. Culture: advanced France, Paris, famous people, events. Videos, music, computer.</p>	<p><b>Art:</b> Integrates areas of study and art from ancient civilizations. Cover designs for <i>Creations</i>. Emphasis on planning, designing, originality, creativity, and craftsmanship. Drawing, painting, carving, ceramics, masks, etching/printmaking. <b>Music:</b> Elements of music. Introduction to Music History. Class musical. Music for civilizations. Hymns for chapel. Music for river habitat.</p>	<p>Daily P.E. Physical fitness. Nutrition. Health. Fitness journals. Educational gymnastics. Manipulation. Skills: game skills, mastery of motor skills such as throwing and catching; striking with hands, feet, and implements. Jump rope, bowling, dance, stations. Sport skills. Offensive/defensive strategies. Game play situations. Sportsmanship.</p>	<p>Junior Achievement. Sumerian, Egyptian, and Greek Days. Fourth grade play. Independent research on earth. Myths about how earth started. Helping other students (peer tutoring). Civilizations (research or projects—Rome, Vikings, China). Classroom Enrichment Kits. ZOOM. <i>Abel's Island</i>. <b>Thinking Skills:</b> Invention Convention incorporating all Lower School thinking skills. Destination Imagination Competition.</p>



# CURRICULUM MAP

## MIDDLE SCHOOL

	READING	WRITING	LANGUAGE ARTS	SOCIAL STUDIES	MATHEMATICS	SCIENCE	TECHNOLOGY	LANGUAGES	ARTS	PHYSICAL EDUCATION/ WELLNESS
<b>7</b>	<p><i>The Outsiders. Beowulf</i> adaptation; Selections from <i>Catherine Called Bird and Men of Iron</i>; Selected <i>Canterbury Tales</i>; <i>Crispin, The Hobbit</i>; <i>The Miracle Worker</i>; <i>Devil's Arithmetic</i>; <i>The Moon is Down</i>; <i>Smoke and Ashes</i>; <i>I Never Saw Another Butterfly</i>; <i>Animal Farm</i>; SC Honor Nominees; Children's picture books. Short stories. Poetry. Biographies. "To Be A Hero."</p>	<p>Use of the writing process. <b>Types of writing:</b> essays, journals, persuasive, hero's quest, poetry, ballads and psalms. <b>Exhibitions:</b> Holiday book, multimedia religion research myhero.com. <b>Writing skills:</b> coherence, developing a paragraph using facts, examples, reasons, contrast and comparisons.</p>	<p>Punctuation. Parts of speech. Parts of a sentence. Single, compound, and complex sentences. Phrases: prepositional, infinitive, participial, and gerund. Clauses: adjective, adverb. Oral presentations. Outlining. Personal metaphors. Competency grammar exam. Textbooks: <i>Vocabulary and Composition, Book IV</i>; <i>Language Network</i>.</p>	<p>Study of European countries and Russia with the focus on the Middle Ages and the Holocaust. What is culture? How do heroes inspire others? How can we be heroes? Religion Exhibition. Textbooks: <i>Europe and Russia</i>; <i>Smoke and Ashes. World Culture: Europe</i></p>	<p><b>Topics:</b> A review of fractions, decimals, ratios, percents, and integers. An introduction to algebraic concepts and equations. Interpreting/ solving algebraic equations. Solving and graphing equations and inequalities. Plane and solid geometry including areas and volumes; Pythagorean theorem; Real number system.</p> <p><b>Algebra 1:</b> Available to some 7th grade students. (See Grade 8.)</p>	<p><b>Life Science:</b> Cell structure and function, classification, viruses, bacteria, protists, fungi, plants, animals, anatomy, physiology, biogeography, ecology, health and wellness. <b>Skills:</b> Scientific Method, use of lab apparatus and techniques, lab safety, inquiry, formal lab report, reading comprehension. <b>Text:</b> <i>Science Explorer-Life Science</i></p>	<p>Students will use MS Office (Word, Excel, PowerPoint) as a tool to create curriculum related products. They will also use computers for enrichment in math, science, grammar, and social studies. Computers will be used as a research tool getting information from CD ROM discs and the Internet.</p>	<p><b>Latin I-A:</b> Part A of a two part US credit course, introducing the study of grammar and vocabulary, and developing reading and comprehension skills. <b>Spanish I-A:</b> Part A of a two part US credit course, using the proficiency approach emphasizing the four skills: reading, writing, speaking and listening. <b>French I-A:</b> Part A of a two part US credit course, studying regular and irregular verbs and a variety of grammatical structures through listening, speaking, reading and writing.</p>	<p><b>Art:</b> "Symbols and Shapes." Stained glass glue prints, gargoyle clay whistles, potter's wheel, illuminated initial pillows. Remembrance Tiles of the Holocaust. <b>Band:</b> Performance oriented ensemble provides comprehensive music education. <b>Chorus:</b> Vocal development; exploration of different choral tones and styles. <b>General Music:</b> Exploration of how music and culture intersect. <b>Drama:</b> Playwriting for Children's Theatre; storytelling; theatre design</p>	<p>Development of habits related to maintaining physical fitness, including flexibility, strength training, and aerobic activity. Development of skills and strategies related to tennis, football, volleyball, basketball, track and field, softball, soccer, and hockey. Outdoor education experience—ropes, group cooperative games, team challenges.</p>
<b>8</b>	<p><b>School Year:</b> <i>The Giver</i>; "Inherit the Wind," <i>To Kill a Mockingbird</i>, <i>145th Street Short Stories</i>, <i>A Tree Grows in Brooklyn</i>, <i>A Separate Peace</i>, "A Raisin in the Sun," <i>Summer of My German Soldier</i>, Choice Reading-American literature; various readings; short stories, poems, essays from 20th century American literature. <b>Summer reading:</b> choice-biography, choice-American lit., and choice-SC book award winner.</p>	<p><b>Writing process:</b> Prewriting, freewriting, mind mapping, venn-diagrams, drafting, student-teacher conferences, revisions. <b>Types:</b> Personal essay, multi-genre, creative fiction, historical fiction, poetry, research essay, five-paragraph essay. <b>Concepts:</b> Thesis sentence, paragraphing, form and style. <b>Research Process:</b> Notecards, sources, citation and documentation. <b>Exhibition:</b> Writing/defending a thesis in a paper.</p>	<p><b>Parts of speech.</b> Types of sentences. Phrases and clauses. Rules of punctuation. Critical thinking. Discourse. Presenting skills. Reading comprehension, inference, and response to literature. Identification and use of 150 vocabulary words. Literary theory and elements. Competency grammar exam. Textbooks: <i>Language Network</i>;</p>	<p>Study of US history 1900-present. Major emphasis on social and political movements, current events, and connections to themes in literature. Special projects include: mock election, web page project, and model United Nations. Textbooks: <i>Creating America</i>, assorted primary and secondary sources of the teachers' choosing.</p>	<p><b>Algebra 1:</b> Topics: Solving equations, matrices, graphing and writing linear equations, inequalities, linear systems, polynomials, rational expressions and equations, simplifying and solving radical equations.</p> <p><b>Geometry:</b> Available to some 8th grade students. (See Grade 9.)</p>	<p><b>Physical Science:</b> <b>Chemistry:</b> Chemical reactions, physical and chemical properties of elements, Periodic Table. <b>Physics:</b> Waves, sound, electromagnetic spectrum and light. <b>Newton's 3 laws of motion, electricity and electronics</b> <b>Skills:</b> Scientific Method, use of lab apparatus and techniques, lab safety, formal lab reports and inquiry. <b>Text:</b> <i>Science Explorer-Physical Science and Lab Science</i></p>	<p>Students will use MS Office (Word, Excel, PowerPoint) as a tool to create curriculum related products. They will also use computers for enrichment in math, science, grammar, and social studies. Computers will be used as a research tool getting information from CD ROM discs and the Internet.</p>	<p><b>Spanish I B:</b> Continuation of I-A class with the emphasis placed on the mastery of basic grammar and vocabulary to communicate in everyday situations with proper intonation of pronunciation. <b>French I B:</b> Continuation of I-A classes emphasizing the four basic skills: listening, speaking, reading, and writing according to the proficiency approach. <b>Latin I B:</b> Continuation of I-A class, with emphasis on the acquisition of requisite knowledge and skills.</p>	<p><b>Art:</b> "Paper and Clay." Water-color landscapes, grid drawings, pen and ink card, slab pots, Chinese Ink Painting, "Mail Art." <b>Band:</b> Performance-oriented ensemble provides comprehensive music education. <b>Chorus:</b> Vocal development; exploration of different choral tones and styles. <b>General Music:</b> Critical listening to various genres; discussion of music elements. <b>Drama:</b> Monologue project; character analysis; rehearsal strategies; theatre history.</p>	<p>Increased understanding of habits related to maintaining physical fitness, including flexibility, strength training, and aerobic activity. Increased level of competency regarding skills and strategies related to tennis, football, volleyball, basketball, track and field, softball, soccer, and hockey. Introduction to lifetime sports like archery and golf. Folk dancing and games related to world cultures. Outdoor education experience—ropes, group cooperative games, team challenges.</p>

# UPPER SCHOOL

	HUMANITIES	MATHEMATICS	SCIENCE	LANGUAGES	ELECTIVES
<b>9</b>	<p><b>English 9:</b> An intensive course in writing, English grammar, usage, and vocabulary, culminating in late May with a celebration of Holy Eucharist. This service celebrates students' autobiographical writing during the yearlong project. Every freshman is required to score 70 or above on the Final Examination of English Competency to advance to Sophomore English.</p> <p><b>Grammatical Components:</b> parts of speech, phrase-clause identification, punctuation, sentence parts, pronoun usage, subject-verb agreement, diction, parallelism, tense sequence, and proofreading.</p> <p><b>Texts:</b> Shakespeare's <i>Twelfth Night</i> and <i>Macbeth</i>; <i>The Secret Life of Bees</i> by Sue Monk Kidd; Homer's <i>The Odyssey</i>; Dickens' <i>Great Expectations</i>; selected stories from Flannery O'Connor's <i>The Complete Stories</i>; selected contemporary poetry from <i>Poetry for Freshmen</i>; and <i>Vocabulary Workshop, Level G</i>.</p> <p><b>World History:</b> Students examine the characteristics of historically influential societies before 1500 including Egypt, China and Eastern Asia, Greece, Rome, and the Islamic Empire. The course concludes with a section on the Renaissance and Reformation. Students will study the birth of Christianity, Islam, and Buddhism. Special attention is paid to the economic, social, religious, and political influences of each historical period.</p> <p><b>Skills:</b> Essay writing, oral presentation skills, historical analysis, geography and map skills, cooperative learning skills, and research skills.</p> <p><b>Texts:</b> <i>The Vikings</i>; <i>World Civilizations</i>.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content;">English Competency Examination administered in the spring.</div>	<p><b>Geometry:</b> An integrated approach to strengthen the natural connections between Algebra and Geometry in order to develop an understanding of the structure and concepts of Euclidean plane geometry. Students acquire the skills and methods of reasoning necessary to solve problems in congruence, similarity, measurement, right angle trigonometry, and transformations. Additional topics focus on the properties and applications of lines, triangles, quadrilaterals, and circles.</p> <p><b>Text:</b> <i>Geometry</i>, Prentice Hall.</p> <p><b>Calculator:</b> TI-83 Plus</p>	<p><b>Conceptual Physics:</b> Lab-based qualitative/Algebraic study of the central concepts of physics: Newtonian mechanics, solids, liquids, gases, heat, sound/light, electricity/magnetism, atomic and nuclear physics. Serves as an introduction to science laboratory skills and methods. Scientific inquiry and formal, written lab reports are emphasized.</p> <p><b>Skills:</b> Laboratory safety; application of Scientific Method; scientific inquiry; observation and measurement; data collection/analysis/interpretation; scientific writing; understanding of major concepts/themes in physics; use of graphing calculators, LabPros, and LoggerPro for data collection/analysis; use of computers for word processing/spreadsheets/data analysis.</p> <p><b>Text:</b> <i>Conceptual Physics, 3<sup>rd</sup> ed.</i> Addison Wesley.</p>	<p><b>French I, Latin I, Spanish I:</b> (See Grade 8)</p> <p><b>French II or Spanish II:</b> Further study of contextual grammar/vocabulary to acquire a higher level of proficiency. Use of multimedia projects. Spanish cultural emphasis on ancient civilizations of South America.</p> <p><b>French Text:</b> <i>A bord</i>, Level 2, Glencoe, <i>Bescherelle</i>.</p> <p><b>Spanish Text:</b> <i>Dime! Dos</i>, D. C. Heath.</p> <p><b>Latin II:</b> A follow-up to the Latin I course, continuing the study of morphology and syntax with increased emphasis on reading comprehension, translation, and vocabulary development. History and culture are introduced via the Latin narrative.</p> <p><b>Text:</b> <i>Cambridge Latin Course, Units II-III</i>.</p>	<p><b>Acting I:</b> Students explore acting through vocal and physical warm-ups, movement, objectives/obstacle/tactics, ensemble collaboration, and rehearsal strategies.</p> <p><b>Acting II:</b> Students further explore acting through a variety of techniques, investigating advanced topics in acting and actor training.</p> <p><b>Art Fundamentals:</b> Introduction of studio art and art history utilizing a wide range of artistic mediums and techniques.</p> <p><b>Art II:</b> Investigation of the elements and principles of design through collage, illustration, painting, drawing, printmaking, sculpture, miniature modeling, ceramics, and 3-D fiber arts.</p> <p><b>AP Studio Art:</b> Portfolio required.</p> <p><b>Band:</b> Performance-oriented ensemble building on each student's musical skills and knowledge of music theory.</p> <p><b>Computer:</b> Introduction to Microsoft Office, including Word, Excel, and Power Point.</p> <p><b>Graphic Arts and Multimedia:</b> Teaches the use of Paint programs, Drawing programs, Page layout, Web pages, multimedia programs.</p> <p><b>Great Books:</b> Students read eleven selections from Great Books</p>
<b>10</b>	<p><b>English 10:</b> A survey of European literature from the Elizabethan Age through World War II, examining such issues as the Enlightenment, Colonialism, and the Holocaust. Texts are supplemented with primary sources, oral presentations, and film. Some creative writing with emphasis on the analytical essay. Vocabulary and grammar also are emphasized.</p> <p><b>Texts:</b> <i>Alice's Adventures in Wonderland</i>; <i>All Quiet on the Western Front</i>; <i>A Writer's Reference</i>; <i>Faust</i>; <i>Hamlet</i>; <i>Night</i>; <i>The Boys of Pal Street</i>; <i>Things Fall Apart</i>; <i>Vocabulary Workshop, Level G</i>, <i>Wuthering Heights</i>.</p> <p><b>European History:</b> Students explore the effects of historical events in European civilizations from 1550-present. Topics include the Scientific Revolution, The Enlightenment, the French Revolution, the Industrial Revolution, World War I, World War II, and post-war Europe.</p> <p><b>Skills:</b> Timed essay writing, seminar preparation and design, map skills, research techniques, presentation techniques, use of technology (Power Point and web page design).</p> <p><b>Texts:</b> <i>Western Civilization: A Brief History</i>; <i>Sources of Western History</i>; Richard Bessel's <i>Life in the Third Reich</i>; Vedau Havel's <i>Disturbing the Peace</i>; <i>Candide</i>.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content;">English Competency Examination administered in the spring.</div>	<p><b>Algebra 2:</b> An in-depth study of Algebra topics which help solve real-life problems. Topics include a review of Algebra 1 skills, matrices and determinants, quadratic equations, functions, powers, roots and radicals, exponential and logarithmic functions, polynomials, rational functions, and trigonometry.</p> <p><b>Text:</b> <i>Algebra and Trigonometry: Structure and Method, Level 2</i>. McDougal Littell.</p> <p><b>Calculator:</b> TI-83 Plus</p>	<p><b>Biology:</b> Lab- and inquiry-based study of cellular and molecular biology, photosynthesis, cellular respiration, cell division, protein synthesis, genetics, gene technology, evolution, and ecology. Study continues into taxonomy, anatomy and physiology of organisms using a six kingdom system, and culminates in human anatomy and physiology of major body systems. Extensive plant research is conducted in the Robert Clark Greenhouse on campus.</p> <p><b>Text:</b> <i>Biology: Principles and Explorations</i>, by Johnson and Raven; Holt, Rinehart, 2001.</p>	<p><b>French III or Spanish III:</b> Students use language to engage in meaningful conversation, read and comprehend more complex texts, write compositions, &amp; study more advanced grammar.</p> <p><b>French Texts:</b> <i>En Voyage</i>, Level 3, <i>Bescherelle</i>.</p> <p><b>Spanish Texts:</b> <i>Somos asi 3</i>, <i>El Novio Robado</i>, <i>Tres Novelas Espanolas</i>, <i>La Catrina</i> listening series.</p> <p><b>Latin III:</b> Covers the remaining fundamentals of Latin grammar and introduces authentic Latin texts. Particular attention is paid to reading techniques and vocabulary development.</p> <p><b>Text:</b> <i>Cambridge Latin Course, Units III-IV</i>.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content;">Students must pass a competency exam to advance to Level IV of any language.</div>	

11

**American Literature:** Students investigate the evolution of America’s unique literary tradition that reflects the changing attitudes of our nation. Students develop strategies and vocabulary skills in preparation for the SAT, and they create a portfolio of selected works demonstrating a wide range of writing skills which can be used in the college application process.

**Skills:** English usage and grammar, analytical and persuasive writing, portfolio writing, interpretation and analysis of literature, reading comprehension, vocabulary development, SAT preparation.

**Texts:** *A Writer’s Reference, In the Lake of the Woods, Of Mice and Men, The Adventures of Huck Finn, The Awakening, The Great Gatsby, The Scarlet Letter, Vocabulary Workshop, Level G*, and selected early American writings.

**AP English 11 (Literature & Composition):** An introductory college-level course which focuses on the analytical reading of selected poetry and prose, as well as the writing of critical essays.

**Texts:** *A Poetry Handbook; A Streetcar Named Desire; A Writer’s Reference; Beloved; Heroes, Gods, and Monsters; In the Lake of the Woods; Light in August; The Adventures of Huckleberry Finn; The Age of Innocence; The Awakening; The Great Gatsby; The Scarlet Letter; Vocabulary Workshop, Level G.*

**U.S. History:** Students explore the development of the federal government by examining specific historical eras including Pre-Colonial America, the Revolutionary War, Reforms of the 1830s, the Civil War, Reconstruction, the Progressive Period, the 1920s and 1930s, and post-World War II America.

**Skills:** Research skills (analysis, presentation, and defense utilizing primary documents), thesis development and timed essay writing, geographical identification, note taking, and verbal expression of supported ideas.

**Texts:** *A People and a Nation, Billy Budd, Friday Night Lights, In Our Defense, Narrative of the Life of Frederick Douglass.*

**AP U.S. History:** An introductory college-level course in American history covering political institutions and behavior, public policy, social and economic change, international relations, and cultural and intellectual developments.

**Text:** *The American Pageant.*

**Economics:** Designed to provide a working knowledge of market economics, and capitalism -- specifically the U.S. economy -- as well as introduce the economic thinking that has influenced the development of our market system and ethical impact of choices.

**Texts:** *The Study of Economics, The Worldly Philosophers.*

**Comparative Politics:** A study of world events, social issues, and political systems through forensics. Students examine the world since 9/11 and are challenged to explore government systems and to become proficient in the "language" of politics and world affairs, while developing critical thinking, research, and public speaking skills.

**Text:** *Comparative Politics.*

**Precalculus:** Builds on the skills and concepts cultivated throughout the 3-year Algebra/Geometry sequence and adds in-depth studies in Trigonometry, polynomial, exponential and logarithmic functions, conics, vectors, transformations, and complex numbers.

**Text:** *Algebra & Trigonometry with Analytic Geometry*, International Thomson Publishing.

**Calculator:** TI-83 Plus

**Precalculus AB:** Same as above with addition of symbolic logic, real analysis, an introduction to limits, and the notion of infinity. Modeled after AP Calculus standards, the pace is rapid and expectations of the level of mastery and depth of understanding are high.

**Text:** *Before Calculus*, Harper Collins.

**Calculator:** TI-83 Plus

**Astronomy:** Semester study of the celestial sphere, solar system, and the cosmos beyond, using physical and mathematical models, computers, binoculars, and telescopes. Evening work expected.

**Text:** *Explorations: An Introduction to Astronomy*, Glencoe/McGraw Hill.

**Fundamentals of Chemistry:** Inquiry/discovery lab-based approach to exploring and investigating chemical concepts: matter and behavior, periodic properties/patterns, nomenclature, qualitative analysis of reactions, introductory quantitative analysis, stoichiometry, and calorimetry. Emphasis on problem solving, scientific report writing, and research of related chemical issues.

**Text:** *Chemistry: Connections to Our Changing World*, Prentice Hall.

**Chemistry I:** Interactive lab-based study of essential chemical principles requiring strong problem-solving skills, experimental analysis, and scientific report writing. Emphasizes structure and changes in matter, nomenclature, basic stoichiometric/thermochemical relationships, solutions, gases and solids. Scientific readings, student abstracts, chemical journals, and a chemical symposium included.

**Text:** *Chemistry: Connections to Our Changing World*, Prentice Hall.

**French IV Honors:** Study of francophone authors through short stories, novel extracts, plays, and poetry. Strong emphasis on writing AP-style essays and study of advanced grammar. Use of French films. Class discussion on current events through newspaper articles.

**Texts:** *Une fois pour toutes, Bescherelle*, and selections by francophone authors

**Latin IV Honors:** Students read a wide variety of Latin texts, which serve as avenues to the comparative study of perspectives, practices, and products across time and cultures; review grammar in the context of their reading; and continue to hone the tools and techniques which both facilitate the reading of and deepen the appreciation for the texts under consideration.

**Texts:** *Vergil: A Legamus Transitional Reader; Graphic Latin Grammar; and other texts.*

**Spanish IV Honors:** Study of Borges, Garcia Lorca, and other Spanish/American authors. Focus on reading original literary masterpieces in Spanish. Strong emphasis on writing AP-style essays. Advanced grammar review.

**Texts:** *El Cid, Don Quijote, Imaginacion y Fantasia, La Casa de Bernarda Alba, Una vez mas, AP Spanish Guide*

12

**English 12:** Rhetoric & Writing is a prose-based course designed to help students become better critical thinkers, readers, and writers. Students will be writing in a variety of genres and reading a wide range of canonical and contemporary texts (relating to nature, religion, conflict, and a sense of place).

**Skills:** Exposure and practice with different kinds of analytical writing, SAT vocabulary generated by readings and supplemented by SAT practice, textual analysis using knowledge of different literary terms, frequent essay writing, research and presentation skills.

**Texts:** *A Walk in the Woods; A Writer’s Reference; Catch 22; Mere Christianity; Othello; J.B.; Into the Wild; The House on Mango Street; The Secret Life of Bees; Vocabulary, Level G; Waiting for Godot; Walden.* Also selected poetry and prose by John Lane, Bill McKibben, Mary Oliver, Henry David Thoreau, Flannery O’Connor, and Gabriel Garcia Marquez.

**AP English 12 (Language & Composition):** An introductory college-level course which builds student skills in literary analysis and composition by using a variety of rhetorical modes.

**Texts:** *A Walk in the Woods; A Writer’s Reference; Catch 22; Mere Christianity; Othello; J.B.; Into the Wild; The House on Mango Street; The Secret Life of Bees; Vocabulary, Level G; Waiting for Godot; Walden.* Also selected poetry and prose by John Lane, Bill McKibben, Mary Oliver, Henry David Thoreau, Flannery O’Connor, and Gabriel Garcia Marquez.

**AP World History:** This course is designed to develop greater understanding of global processes and the historical interaction of different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. There is an emphasis on relevant factual knowledge in conjunction with leading interpretive issues and types of historical evidence. The focus is on non-Western history, with 70 percent of course content pertaining to non-European societies. Note: taught at the college freshman level.

**Texts:** *A History of World Society; Concise Atlas of World History; Worlds of History, Volume II.*

**Philosophy I:** Examines standard philosophical questions utilizing a conceptual framework. Idealism, Naturalism, Epistemology, and Ethics are philosophical fields studied. Questions "Who am I?," "How can I know the things that I think I know?," "What is the nature of evil?," "What is the nature of Divinity?," and "How ought I act or behave?" form the basis of course investigations.

**Texts:** *Consolations of Philosophy, Meditations of Marcus Aurelius, Philosophy 101* by Socrates, *Reverence, Think.*

**Philosophy II:** A continuation of the exploration begun in Philosophy I, the semester work leads to a public presentation linking a philosopher or school of thought with a contemporary issue. Texts: Plato’s *Republic, The Art of Travel, First Meditations, Beyond Good and Evil*, and *The Analects.*

**Probability & Statistics:** Semester course that reviews descriptive statistics studied in the Algebra sequence and explores probability theory and the normal, binomial and Poisson probability distributions. Inferential statistics include hypothesis testing, sampling methods, regression, and correlation. **Calculator:** TI-83 Plus **Text:** *Elementary Statistics.*

**Introduction to Calculus:** Semester course reviews essential Algebra and Trigonometry. New topics: limits, techniques of differentiation of polynomial, rational, Algebraic, and Trigonometric functions, curve sketching, optimization, velocity, and acceleration. **Calculator:** TI-83 + **Text:** *Calculus: Concepts & Calculators*

**AP Calculus:** College-level course in differential and integral Calculus. Includes limits and continuity, differentiation and integration of polynomial, Algebraic, rational, Trigonometric, exponential and logarithmic functions, as well as their applications. **Calculator:** TI-89 **Text:** *Calculus of a Single Variable*, Thomson

**AP Statistics:** College-level course in descriptive and inferential statistics. Topics: exploring univariate and bivariate data, designing and testing hypotheses, confidence intervals, et al. **Calculator:** TI-83 Plus

**Astronomy:** Semester study of the celestial sphere, solar system, and the cosmos beyond, using physical and mathematical models, computers, binoculars, and telescopes. Evening work expected.

**Text:** *Explorations: An Introduction to Astronomy*, Glencoe/McGraw Hill.

**Chemistry II:** Lab-based study of chemical concepts, building on basic topics from Chemistry I, requiring good problem-solving and lab skills. Focuses on advanced topics including kinetics, equilibrium, bonding, molecular geometry, electrochemistry, nuclear reactions, and biochemistry. **Text:** *Chemistry: Principles and Practice*, Saunders Publishing.

**Environmental Science:** A study of the interaction among geological, meteorological, and ecological phenomena. Includes field work and laboratory work. **Texts:** Excerpts from *Field Guide to Geology, The Weather Book*, and other environmental publications.

**Honors Physics:** Lab-based course in mechanics, rotational dynamics, wave mechanics, and sound, emphasizing problem solving, report writing, and independent analysis. **Text:** *Fundamentals of Physics*, Haliday, Resnick & Walker

**AP French V:** Study of francophone authors through short stories, novel extracts, plays, and poetry. Strong emphasis on writing AP-style essays and study of advanced grammar. Use of French films. Class discussion on current events through newspaper articles. Competency in listening, speaking, reading, and writing. AP Exam required.

**Texts:** *Le dernier des raisins*, Raymond Plante, *Bescherelle*, and selections by above authors.

**AP Latin V:** Continued in-depth study of Latin texts as windows to the study of the Roman world. Opportunities afforded for independent exploration.

**Texts:** Selected Latin texts.

**AP Spanish V:** Study of Cervantes, Borges, Unamuno, Matute, Garcia Lorca, and Cisneros. Competency in listening, speaking, reading, and writing. AP Exam required.

**Texts:** *Bodas de Sangre, Don Juan Tenorio, El Aleph, La Casa en Mango Street, Tres Novelas Ejemplares, Una vez mas, AP Spanish Guide.*

Foundation, predominantly classics in Western literature and philosophy that engage the intellect and inspire the imagination. Ten sessions required during the year. **Texts:** *Great Books Reading and Discussion Program, Second Series*

**New Testament:** An introduction to *The New Testament* and its influence on Western Civilization, including its role in church and society, with a special in-depth study of the Gospel of Mark. **Old Testament:** After a detailed examination of the Book of Genesis, this course explores the Law, the History, the Poetry and Wisdom Literature, and the Writings of the Prophets.

**Outdoor Education:** Experiential class which includes environmental study and service, a climbing wall, and instruction in kayaking.

**Personal Fitness:** Weight training/conditioning designed to increase strength, flexibility, and stamina.

**Photography:** An introduction to camera and dark room techniques, practicing the critical evaluation of black & white photography through subject matter, composition, balance, and value.

**Play Production:** Students experience roles and responsibilities associated with theatrical production -- stage crew procedures, theatre design, and publicity.

Advanced level work may include directing and playwrighting.

**Speech & Debate:** This course stresses principles and practices of public speaking, argument, and debate. Students construct and present arguments in debate format.

**Video:** A hands-on course designed to enhance skills in videography, linear and non-linear video editing, and computer animation.

**World Religions:** Summer Online course designed to focus on the commonality between different religious traditions and proficiency in the language of religion.

**Yearbook:** Designed to support production and publication of the school yearbook.

## THE SENIOR EXHIBITION

The Senior Exhibition is a public demonstration of a student’s proficiency in the academic components of a Heathwood Hall education and of the philosophy that guides the school. This exhibition is the culmination of the student’s experience at Heathwood Hall and demonstrates the student is becoming an inquisitive, independent young adult, ready for the demands of college. Many of the elements of an Exhibition have been demonstrated by Heathwood students prior to the senior year. The unique and valuable elements that distinguish the Senior Exhibition include more academic independence, a student-generated topic, community involvement, public presentation, public and faculty-generated standards of assessment, and the long-term aspect of the endeavor.

Computer and video technology are integrated throughout the Upper School curriculum.

## REQUIREMENTS FOR GRADUATION

English	4 credits	Science	3 or 4 credits*
Mathematics	4 credits	Social Studies	3 or 4 credits*
Religion	1 credit	Languages	3 credits (same lang)
Fine Arts	1 credit	Computer	0 credit
Physical Education	1 credit	Other	1° credits
Senior Exhibition	1 credit	<b>TOTAL</b>	<b>24 credits</b>

**Additional requirement of 80 hours of community service (20 per year)**  
**\*A total of 7 credits in the science and social studies disciplines, to be satisfied with a minimum of 3 in one and 4 in the other.**