

## Elementary Core Progression

Kindergarten Core			
Geography	History	Literature	ELA
<ul style="list-style-type: none"> <li>● Definition of geography; creation and creator</li> <li>● Biblical foundation for creation and purposes of each continent</li> <li>● Earth in its universal setting, the solar system and the motion of the earth</li> <li>● Earth and its shape; world map and globe</li> <li>● Earth as the dwelling place for man</li> <li>● Water, land masses, and atmosphere</li> <li>● Directions, poles, and the equator</li> <li>● The map standard</li> <li>● Four oceans and major rivers</li> <li>● Continents, mountains, deserts, and plains</li> <li>● Individuality of the people, animals and plants of each continent.</li> </ul>	<ul style="list-style-type: none"> <li>● God's principle of individuality</li> <li>● The Christian principle of self-government</li> <li>● America's heritage of Christian character</li> <li>● Conscience is the most sacred of all property</li> <li>● The nineteen links on the Christian history timeline</li> </ul>	<ul style="list-style-type: none"> <li>● The Bible as literature</li> <li>● Poetry</li> <li>● Fairy Tales</li> <li>● <i>Winnie the Pooh</i></li> <li>● <i>Peter Rabbit</i></li> <li>● <i>Bambi</i></li> <li>● <i>Little House in the Big Woods</i></li> </ul>	<ul style="list-style-type: none"> <li>● Penmanship</li> <li>● Phonemic Awareness</li> <li>● Phonograms</li> <li>● Beginning spelling</li> <li>● Reading</li> <li>● Composing oral and written sentences</li> <li>● Choral and oral reading</li> <li>● Individual reading</li> <li>● Reading their own writing</li> </ul>



1st Grade Core			
Geography	History	Literature	ELA
<ul style="list-style-type: none"> <li>● Creation of the universe, earth and all creation</li> <li>● Continents</li> <li>● Oceans and rivers</li> <li>● Mountains, deserts, and plains</li> <li>● People's culture</li> <li>● Cardinal directions</li> </ul>	<ul style="list-style-type: none"> <li>● The study of Adam and Eve, Noah, Enoch, Abraham, Moses, Abigail and John Adams, and other Patriots.</li> <li>● The Pilgrims and Foundation of US Government.</li> <li>● Christopher Columbus</li> </ul>	<ul style="list-style-type: none"> <li>● Language as a gift from God.</li> <li>● The standard of quality of language.</li> <li>● Poetry</li> <li>● <i>Charlotte's Web</i></li> <li>● <i>Biography of Abigail Adams</i></li> <li>● <i>Pinocchio</i></li> </ul>	<ul style="list-style-type: none"> <li>● Phonemic spelling</li> <li>● Rules of composition</li> <li>● Rules of reading</li> </ul>



2nd Grade Core			
Geography	History	Literature	ELA
<ul style="list-style-type: none"> <li>● The solar system</li> <li>● Motion and shape of the earth</li> <li>● Climate and weather</li> <li>● Directions and poles</li> <li>● Geographic circles</li> <li>● Oceans, seas, rivers and lakes</li> <li>● Seven continents</li> <li>● Mountains, deserts, plains and islands</li> <li>● The State of Virginia</li> </ul>	<ul style="list-style-type: none"> <li>● Old Testament Stories</li> <li>● The Bible into English</li> <li>● Jamestown/Pocahontas</li> <li>● Lewis and Clark Expedition</li> <li>● North American Indians</li> <li>● Thomas Jefferson</li> </ul>	<ul style="list-style-type: none"> <li>● 23rd Psalm</li> <li>● <i>Poetry</i></li> <li>● <i>Heidi</i></li> <li>● <i>Pocahontas</i></li> <li>● <i>Benjamin West and His Cat Gramalkin</i></li> <li>● Benjamin Franklin</li> <li>● Shakespeare</li> </ul>	<ul style="list-style-type: none"> <li>● Parts of speech and simple sentence diagramming</li> <li>● Rules of spelling, plurals and syllabication</li> <li>● Riggs English phonograms</li> <li>● Selected Latin and Greek roots</li> <li>● Printing and introduction to cursive</li> <li>● handwriting</li> <li>● Reading comprehension</li> </ul>



3rd Grade Core			
Geography	History	Literature	ELA
<ul style="list-style-type: none"> <li>● The solar system</li> <li>● The earth and its land/water/atmosphere divisions</li> <li>● The continents and their people</li> <li>● Animals and plants</li> <li>● Climate and weather</li> <li>● Reading and understanding physical and political maps</li> </ul>	<ul style="list-style-type: none"> <li>● Providential View of History</li> <li>● Christian idea of man and government</li> <li>● America's Christian history</li> <li>● America Christian founding</li> <li>● The American Christian Founding (Pilgrims--1620)</li> </ul>	<ul style="list-style-type: none"> <li>● Various genre types through identifying the qualities of literature</li> <li>● The Bible as literature</li> <li>● Poetry</li> <li>● Literary structure (setting, plot, theme, style, and characterization)</li> </ul>	<ul style="list-style-type: none"> <li>● Palmer cursive instruction</li> <li>● Vocabulary Development</li> <li>● Fluency in reading and comprehension</li> <li>● Syntax, grammar, and composition</li> </ul>



### 4th Grade Core

Geography	History	Literature	ELA
<ul style="list-style-type: none"> <li>● Creation of the earth, its universal setting, and the solar system</li> <li>● Motions of the earth</li> <li>● Shape and size of the earth</li> <li>● Climate circles</li> <li>● The lithosphere, hydrosphere, and atmosphere.</li> <li>● Utah political &amp; physical geography</li> <li>● India</li> <li>● Australia</li> </ul>	<ul style="list-style-type: none"> <li>● Colonial America 1607-1775</li> <li>● French &amp; Indian War</li> <li>● Causes of the Revolutionary War</li> <li>● Lewis &amp; Clark</li> <li>● Mountain Men</li> <li>● Traders in Utah</li> <li>● Coming of the Mormons / Pioneer life</li> <li>● Utah Indians</li> </ul>	<ul style="list-style-type: none"> <li>● Proverbs</li> <li>● A Child's Story of the Prophet Brigham Young</li> <li>● Poetry of Noyes &amp; Longfellow</li> <li>● Johnny Tremain</li> <li>● The Secret Garden</li> <li>● Shakespeare</li> </ul>	<ul style="list-style-type: none"> <li>● The eight parts of speech</li> <li>● Composition skills</li> <li>● Sentence diagramming</li> <li>● Phonograms</li> <li>● Vocabulary development</li> <li>● Dictionary and research skills</li> <li>● Writing book reports</li> <li>● Writing research reports</li> </ul>

### 5th Grade Core

Geography	History	Literature	ELA
<ul style="list-style-type: none"> <li>● Earth and Creation</li> <li>● Earth in the solar system</li> <li>● Hemispheres, meridians, tropics, and continents</li> <li>● The lithosphere, hydrosphere, and atmosphere</li> <li>● Maps and world map work</li> <li>● North America and the United States</li> </ul>	<ul style="list-style-type: none"> <li>● War of Independence</li> <li>● Constitution and Founding of the American Government</li> <li>● Westward Expansion</li> <li>● American Civil War</li> </ul>	<ul style="list-style-type: none"> <li>● Seven Loves of Literature</li> <li>● Poetry of Robert Frost, Henry Wadsworth Longfellow, and Edward Allen Poe</li> <li>● <i>The Book of Ruth</i>, from the Bible</li> <li>● <i>Little Women</i> by Louisa May Alcott</li> <li>● <i>Abraham Lincoln</i> by Wilbur Gordy</li> <li>● Shakespeare</li> </ul>	<ul style="list-style-type: none"> <li>● Spelling, writing, and penmanship</li> <li>● Vocabulary development</li> <li>● Reviewing phonograms</li> <li>● Sentence diagramming</li> <li>● Composition</li> <li>● Editing and revision</li> <li>● Reports and essays</li> </ul>

### 6th Grade Core

Geography	History	Literature	ELA
<ul style="list-style-type: none"> <li>● Mesopotamia (Egypt, Assyria, Babylon, Israel, and Persia)</li> <li>● Greece</li> <li>● Rome</li> <li>● England</li> </ul>	<ul style="list-style-type: none"> <li>● From Creation to the Middle Ages</li> <li>● Dispensations of Adam, Enoch, Noah, Abraham, Moses, Christ and the Apostles</li> <li>● The Apostasy</li> <li>● The Middle Ages</li> <li>● Civilizations include Mesopotamia (Egypt, Assyria, Babylon, Israel, and Persia), Greece, Rome, and England</li> </ul>	<ul style="list-style-type: none"> <li>● Seven Loves of Literature</li> <li>● How to choose good reading material</li> <li>● <i>The Bronze Bow</i></li> <li>● <i>Children's Homer</i></li> <li>● Epistles of Paul</li> <li>● <i>Men of Iron</i></li> </ul>	<ul style="list-style-type: none"> <li>● Composition (biography, autobiography, persuasive, cause-effect, poetry and</li> <li>● Spelling</li> <li>● Vocabulary development</li> <li>● Grammar</li> </ul>

# Secondary Curriculum Progression

## 7th Grade

History	Literature	Language Arts
<ul style="list-style-type: none"> <li>● Scriptural giants from the 1200s through the 1600s</li> <li>● The Reformers</li> <li>● The Explorers</li> <li>● The Reformation</li> <li>● Colonization of North America</li> <li>● America's Infancy and Manhood</li> <li>● The Enlightenment/Age of Revolution and Empire</li> <li>● Explosion of Invention and Industry</li> <li>● Decline and Fall of British Empire</li> <li>● The Restoration of the Gospel and the Fullness of Times</li> </ul>	<ul style="list-style-type: none"> <li>● <i>A Shepherd Looks at Psalm 23</i></li> <li>● <i>Exiled: The Story of John Lothrop</i></li> <li>● <i>Luke 2</i></li> <li>● Shakespearean Sonnets</li> <li>● Early American Poetry: Dickinson and Longfellow</li> <li>● Literature of the Founders</li> <li>● Stories from the Life of Joseph Smith</li> </ul>	<ul style="list-style-type: none"> <li>● History of the English language</li> <li>● Penmanship</li> <li>● Spelling</li> <li>● Prosody</li> <li>● Vocabulary development</li> <li>● Diagramming sentences</li> <li>● A Beka Grammar</li> <li>● Sentence analysis</li> <li>● Writing essays, short stories, poetry, letters, and dialogue writing.</li> </ul>

## 8th Grade

History	Literature	Language Arts
<ul style="list-style-type: none"> <li>● US History from the founding to the present</li> <li>● Major forms of government</li> <li>● Pre-Civil War and Reconstruction</li> <li>● Age of Industry, politics, and Culture</li> <li>● Spanish American War-Progressive Era</li> <li>● WWI and the Roaring 20s</li> <li>● The Great Depression</li> <li>● World War II</li> <li>● The Cold War, Korean War, and the Vietnam War</li> <li>● The War on Terror and Information Age</li> <li>● Hope for the Future</li> </ul>	<ul style="list-style-type: none"> <li>● <i>David Copperfield</i></li> <li>● <i>The Hiding Place</i></li> <li>● <i>In His Steps</i></li> <li>● <i>The Water Is Wide</i></li> <li>● <i>Little Britches</i></li> <li>● Historical Fiction-Student choice</li> <li>● Shakespeare Comedies, 5 in rotation</li> <li>● Short stories, Speeches, Poetry</li> <li>● A Lion and a Lamb</li> </ul>	<ul style="list-style-type: none"> <li>● Capitalization, punctuation, sentence structure, and paragraphs</li> <li>● Recognizing parts of speech</li> <li>● Improving writing style</li> <li>● Spelling</li> <li>● Vocabulary development</li> <li>● Oral Presentations</li> <li>● Writing a personal narrative, persuasive essay, a research paper, and a book</li> <li>● A Beka Grammar</li> </ul>

## 9th Grade

History	Literature	Composition (Written Portfolio I)
<ul style="list-style-type: none"> <li>● World History-Creation through the Reformation (1600 AD)</li> <li>● Biblical history</li> <li>● Ancient world empires, middle empires</li> <li>● Christ's church through the Dark Ages</li> <li>● Medieval culture</li> <li>● Rise of modern Nations</li> <li>● The Reformation</li> </ul>	<ul style="list-style-type: none"> <li>● English literature to 1600</li> <li>● <i>Beowulf</i></li> <li>● <i>The Lord of The Rings</i> Trilogy</li> <li>● <i>The Canterbury Tales</i>, selection</li> <li>● <i>The Lion, the Witch and the Wardrobe</i></li> <li>● <i>Romeo and Juliet</i></li> <li>● T.S. Elliot, selected essays</li> <li>● Julius Caesar (Shakespeare)</li> </ul>	<ul style="list-style-type: none"> <li>● Vocabulary development</li> <li>● Essay (Narrative, Journal Entry, Memo, Blog, Letter, Editorial, Speech, Compare/Contrast, Transition, Email, Blog, Speech, Proposal, Academic, Report, )</li> <li>● Oral presentations</li> <li>● Business Writing (Cover letter, Resume)</li> <li>● Creative Writing (Poems, Newspaper Article/Story, Story)</li> <li>● Other (Recipe, Instructions, List, Contract, Statute/Law)</li> </ul>

## 10th Grade

History	Literature	Composition (Written Portfolio II)
<ul style="list-style-type: none"> <li>● World History from 1600 to Present</li> <li>● The Glorious Revolution</li> <li>● The American Revolution</li> <li>● The French Revolution</li> <li>● The Industrial Revolution</li>   <li>● New Imperialism</li> <li>● World War I</li>   <li>● Communism</li> <li>● World War II</li> <li>● The Cold War</li> <li>● Globalization</li> <li>● The historian's craft</li> </ul>	<ul style="list-style-type: none"> <li>● English Literature from 1600 to Present</li> <li>● <i>Fire in the Bones</i></li> <li>● <i>Pride and Prejudice</i></li> <li>● <i>Les Miserables</i></li> <li>● <i>Screwtape Letters</i></li>   <li>● <i>Cry, the Beloved Country</i></li> <li>● <i>The Chosen</i></li>   <li>● <i>Red Scarf Girl</i></li>   <li>● <i>Hamlet</i></li> <li>● <i>Man's Search for Meaning</i></li> <li>● <i>The Founding Fathers</i></li> </ul>	<ul style="list-style-type: none"> <li>● Vocabulary development</li> <li>● Writing essays (comparison/contrast, cause/effect, argumentative/persuasive, literary analysis, college admission, timed essay, descriptive essay, essay contest, rhetorical analysis, narrative)</li> <li>● Oral presentations</li> <li>● Business Writing (Cover letter, Resume, Follow-up Letter, Electronic Correspondence)</li> <li>● Creative Writing (Poems, Newspaper Article)</li>   <li>● Letter Writing (Letter to the Editor, a Business/Company, of Appreciation, of Recommendation)</li> </ul>



## 11th Grade

History	Literature	Composition (Junior Thesis)
<ul style="list-style-type: none"> <li>● American History</li> <li>● Founding of the Nation</li> <li>● The Young Republic</li> <li>● The National Government</li> <li>● The Global Government</li> <li>● Geography of United Kingdom and the United States</li> </ul>	<ul style="list-style-type: none"> <li>● American Literature</li> <li>● <i>John Adams</i></li> <li>● <i>Julius Caesar</i></li> <li>● 1776</li> <li>● <i>The Greatest Generation</i></li> <li>● <i>Rise to Rebellion</i></li>   <li>● <i>Killer Angels</i></li>   <li>● <i>Scarlet Letter</i></li> <li>● <i>To Kill a Mockingbird</i></li> </ul>	<ul style="list-style-type: none"> <li>● Writing essays (comparison/contrast, cause/effect, argumentative/persuasive, literary analysis, college admission, timed essay, descriptive essay, essay contest, rhetorical analysis, narrative)</li> <li>● Research paper</li> <li>● Writing poetry</li> <li>● Historian's Craft: (In depth research techniques: objectivity, detections, using sources)</li> <li>● Arguments: (Claims, Reasons and Evidence, Acknowledgements and Responses, Warrants)</li>   <li>● Editing: (Planning, Drafting, Conferencing, Revising)</li> </ul>



## 12th Grade

History	Literature	Composition (Senior Thesis)
<ul style="list-style-type: none"> <li>● American Government and Economics</li>   <li>● Adam Smith's <i>Wealth of Nations</i></li> <li>● Economic worldviews such as Secular Humanism, Marxism/Leninism, and Biblical Christianity</li> <li>● Philosophies of government</li> <li>● The United States Constitution</li> </ul>	<ul style="list-style-type: none"> <li>● <i>Anna Karenina</i></li>   <li>● <i>The Bridge at Andau</i></li> <li>● <i>Jane Eyre</i></li> <li>● <i>Lord of the Flies</i></li> <li>● <i>Taming of the Shrew</i></li> <li>● <i>The Count of Monte Cristo</i></li> </ul>	<ul style="list-style-type: none"> <li>● Research (techniques, objectivity, decisions, resources)</li>   <li>● Editing: (Planning, Drafting, Conferencing, Revising)</li> <li>● Oral Presentation with adjudicators</li> <li>● Senior Thesis Defense</li> </ul>

# Elementary Science Progression

Kindergarten				
<b>Science Foundations</b> <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Scientific Method</li> <li>• God is a Scientist</li> </ul>	<b>Zoology</b> <ul style="list-style-type: none"> <li>• Vertebrates and Invertebrates</li> <li>• Arthropods with emphasis on insects</li> <li>• Vertebrate family characteristics</li> </ul>	<b>Astronomy</b> <ul style="list-style-type: none"> <li>• The solar system</li> <li>• Stars, including the sun</li> <li>• Planets</li> </ul>	<b>Anatomy</b> <ul style="list-style-type: none"> <li>• Our Five Senses</li> <li>• Seeing</li> <li>• Hearing</li> <li>• Tasting</li> <li>• Smell</li> <li>• Touch</li> </ul>	<b>Botany</b> <ul style="list-style-type: none"> <li>• Plant Investigations</li> <li>• The purpose of roots</li> <li>• The purpose of stems</li> <li>• The purpose of leaves</li> <li>• The purpose of flowers</li> <li>• The purpose of seeds</li> </ul>



1st Grade					
<b>Science Foundations</b> <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Scientific Method</li> <li>• God is a Scientist</li> </ul>	<b>Zoology</b> <ul style="list-style-type: none"> <li>• Habitats - what animals need to thrive</li> <li>• Forests</li> <li>• Desert</li> <li>• Jungle</li> <li>• Food chains/webs</li> </ul>	<b>Physics</b> <ul style="list-style-type: none"> <li>• Simple Machines</li> <li>• Intro. to force &amp; motion</li> <li>• Intro. to all the simple machines</li> <li>• Compound Machines</li> <li>• Inventions</li> <li>• Magnetism</li> <li>• Exploring with magnets</li> </ul>	<b>Oceanography</b> <ul style="list-style-type: none"> <li>• Compare and contrast fresh and ocean waters</li> <li>• Animals of the ocean</li> <li>• Plants of the ocean</li> <li>• Seashells and coral</li> <li>• Stewardship of the ocean</li> </ul>	<b>Anatomy/Physiology</b> <ul style="list-style-type: none"> <li>• The skeletal system</li> <li>• Digestive and nervous system</li> <li>• Muscular, circulatory, and respiratory system</li> <li>• Being good stewards of our bodies - wise physical activity &amp; nutrition</li> </ul>	<b>Meteorology</b> <ul style="list-style-type: none"> <li>• Atmosphere</li> <li>• Layers in the atmosphere</li> <li>• Weather</li> <li>• The water cycle</li> <li>• Clouds</li> </ul>



2nd Grade			
<b>Science Foundations</b> <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Scientific Method</li> <li>• God is a Scientist</li> </ul>	<b>Astronomy</b> <ul style="list-style-type: none"> <li>• Copernicus and Galileo</li> <li>• The Milky Way Galaxy and our solar system</li> <li>• Stars, including our sun</li> <li>• Isaac Newton and Johannes Kepler</li> <li>• Movement of the planets</li> <li>• The Moon: gravity and tides, phases, and lunar</li> <li>• Seasons are created by earth's movement</li> </ul>	<b>Geology</b> <ul style="list-style-type: none"> <li>• Continents</li> <li>• Layers of the earth</li> <li>• Plate tectonics</li> <li>• Mountain formations</li> <li>• Earthquakes</li> <li>• Volcanoes and geysers</li> <li>• Types of rocks</li> <li>• Crystals</li> <li>• Erosion</li> <li>• Types of soil</li> </ul>	<b>Botany</b> <ul style="list-style-type: none"> <li>• Purposes of plants</li> <li>• Parts of plants</li> <li>• Plant life cycle</li> <li>• Carl Linnaeus</li> <li>• Classifying plants</li> <li>• Monocots/dicots</li> <li>• Annuals/perennials</li> <li>• Variations in leaves</li> <li>• Trees</li> <li>• George Washington Carver and his contributions</li> </ul>



3rd Grade				
<b>Science Foundations</b> <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Scientific method</li> <li>• God is a Scientist</li> </ul>	<b>Zoology</b> <ul style="list-style-type: none"> <li>• Carolus Linnaeus's contributions</li> <li>• Vertebrates and invertebrates</li> <li>• Insects: body parts and life cycle</li> <li>• Helpful and harmful behavior of insects</li> <li>• Amphibians</li> <li>• Reptiles</li> <li>• Fish</li> <li>• Mammals</li> <li>• Birds</li> </ul>	<b>Cytology</b> <ul style="list-style-type: none"> <li>• Cell theory</li> <li>• Using microscopes</li> <li>• Plant and animal cell comparisons</li> <li>• Organelles</li> <li>• Cell reproduction</li> </ul>	<b>Anatomy/Physiology</b> <ul style="list-style-type: none"> <li>• Difference between anatomy &amp; physiology</li> <li>• Skeletal System</li> <li>• Muscular System</li> <li>• Circulatory System</li> <li>• Nervous System</li> <li>• Digestive System</li> <li>• Waste Removal</li> <li>• Interdependence of systems</li> </ul>	<b>Ornithology</b> <ul style="list-style-type: none"> <li>• Bird characteristics</li> <li>• Use of birds</li> <li>• Feathers</li> <li>• Flight</li> <li>• Beaks</li> <li>• Feet</li> <li>• Eggs and nests</li> <li>• Divine design and adaptations</li> </ul>



4th Grade				
<b>Science Foundations</b> <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Scientific Method</li> <li>• God is a Scientist</li> </ul>	<b>Physics</b> <ul style="list-style-type: none"> <li>• Galileo and Newton</li> <li>• Force and motion</li> <li>• Gravity and friction</li> <li>• Newton's Laws</li> <li>• Potential and kinetic energy</li> <li>• Sound as energy</li> </ul>	<b>Chemistry</b> <ul style="list-style-type: none"> <li>• Atomic structure</li> <li>• Elements</li> <li>• Molecules</li> <li>• Properties and states of matter</li> <li>• Changes in matter</li> <li>• Measuring matter</li> <li>• Mixtures and solutions</li> <li>• Robert Boyle</li> </ul>	<b>Oceanography</b> <ul style="list-style-type: none"> <li>• Matthew Maury's contributions</li> <li>• Ocean water: currents, waves, and tides</li> <li>• Ocean land forms</li> <li>• Ocean plants</li> <li>• Ocean animals</li> <li>• Coral reefs</li> <li>• Ocean Conservation</li> </ul>	<b>Meteorology</b> <ul style="list-style-type: none"> <li>• Layers in the atmosphere</li> <li>• The water cycle</li> <li>• Types of clouds</li> <li>• Weather instruments</li> <li>• Thunderstorms</li> <li>• Tornadoes</li> <li>• Hurricanes</li> </ul>



5th Grade			
Science Foundations	Botany	Astronomy	Earth Science
Basics of Science • History of Science • Scientific Method	• Plant classification • Photosynthesis • Plant characteristics • Germination process	• Stars • Star cycles • Solar system and galaxy formation • Space exploration • Space travel • Light	• Plate Tectonics • Weathering / Erosion • Volcanoes • Earthquakes



6th Grade				
Science Foundations	Zoology	Human Anatomy	Meteorology	Robotics
Basics of Science History of Science Scientific Method	• Animal characteristics including structure and function of features • Behaviors • Niche • Adaptations • Natural Selection	• Cardiovascular system • Skeletal system • Muscular system • Respiratory system • • Digestive system • Nervous system	• Atmospheric layers • Atmospheric conditions • Frontal systems • Severe weather • Forecasting	• Engineering • Basic systems • Design • Electricity • Magnets

## Secondary Science Progression

7th Grade		
<b>Intro to cellular biology and genetics</b> <ul style="list-style-type: none"> <li>eukaryotic vs prokaryotic</li> <li>organelles</li> <li>structure and function</li> <li>hereditary concepts</li> <li>DNA</li> </ul>	<b>Intro to Properties of Matter</b> <ul style="list-style-type: none"> <li>atoms</li> <li>structure and function</li> <li>states of matter</li> <li>mixtures and solutions</li> <li>intro to the periodic table</li> </ul>	<b>Classification</b> <ul style="list-style-type: none"> <li>Nomenclatures</li> <li>Scientific terms</li> </ul>

8th Grade		
<b>Earth Science</b> <ul style="list-style-type: none"> <li>Geology-rock cycles, rock formation</li> <li>Ecology</li> <li>Biomes</li> <li>Energy flows in ecosystems</li> <li>Interactions between organisms</li> </ul>	<b>Chemistry</b> <ul style="list-style-type: none"> <li>Structure of the atom</li> <li>Organization of the periodic table</li> <li>Chemical bonding</li> <li>Chemical formulas</li> <li>Molecular structure</li> <li>Standard temperature and pressure as it applies to the laws of chemical behavior</li> </ul>	<b>Physical Science</b> <ul style="list-style-type: none"> <li>Concepts of mass, inertia, and acceleration</li> <li>Practical application of physics</li> <li>The Laws of motion</li> <li>Friction</li> </ul>

## High School

Biology	Chemistry	Physics
<b>Biology</b> <ul style="list-style-type: none"> <li>The definition of life</li> <li>The ecology</li> <li>Cells</li> <li>Genetics</li> <li>The creation of life</li> <li>The purpose of life</li> <li>Microorganisms to plants</li> <li>Animals</li> <li>The human body</li> </ul>	<b>Chemistry</b> <ul style="list-style-type: none"> <li>The elements</li> <li>Atomic structure</li> <li>Electrons in atoms</li> <li>The periodic table</li> <li>Interactions of the elements</li> <li>Chemical bonding</li> <li>Chemical equations</li> <li>Properties of chemical reactions</li> <li>States of matter</li> </ul>	<b>Physics</b> <ul style="list-style-type: none"> <li>Newtonian mechanics</li> <li>Thermodynamics</li> <li>Waves and optics</li> <li>Electromagnetism</li> <li>Special and general relativity</li> <li>Quantum mechanics</li> </ul>



AP Biology	AP Chemistry	AP Physics
<b>AP Biology</b> <ul style="list-style-type: none"> <li>Evolution</li> <li>Energy Dynamics</li> <li>Interactions</li> <li>Information Cycle</li> </ul>	<b>AP Chemistry</b> <ul style="list-style-type: none"> <li>Chemical Elements</li> <li>Structure and Arrangement</li> <li>Chemical Changes</li> <li>Rates of Reactions</li> <li>Thermodynamics</li> <li>Intermolecular Interactions</li> </ul>	<b>AP Physics</b> <ul style="list-style-type: none"> <li>Newtonian Mechanics including Rotational Motion</li> <li>Work</li> <li>Energy and power</li> <li>Mechanical waves and sound</li> <li>Introductory circuits</li> </ul>

## K–12 Art Progression

Kindergarten	
<b>Art</b> <ul style="list-style-type: none"> <li>The character of God and His Creations through visual arts</li> <li>God's Elements of Art and the definition of art</li> <li>Visual record of the Gospel through study of master artists: Fra Angelico, Michelangelo, Rembrandt, Gilbert Stuart, Edgar Degas, and Beatrix Potter</li> <li>Each child's God-given talent to produce visual art for the glory of God</li> <li>Stewardship of time, talent, and tools</li> <li>Observation and problem solving skills</li> <li>Various art media with an emphasis in fine arts</li> <li>Creating art work with their own hands</li> </ul>	<b>Music</b> <ul style="list-style-type: none"> <li>Provide positive musical experiences through singing, rhyme, and movement</li> <li>Folk songs</li> <li>Nursery rhymes</li> <li>Simple instruments</li> <li>Listening examples from great composers: Guido, Hildegard, Vivaldi, JS Bach, and Beethoven</li> <li>Creating their own verses to songs</li> </ul>



1st Grade	
<b>Art</b> <ul style="list-style-type: none"> <li>The character of God and His Creations through visual arts</li> <li>God's Elements of Art and the definition of art</li> <li>Visual record of the Gospel through study of master artists: Fra Angelico, Michelangelo, Leonardo da Vinci, Thomas Gainsborough, Georges Seurat, and Wassily Kandinsky</li> <li>Each child's God-given talent to produce visual art for the glory of God</li> <li>Stewardship of time, talent, and tools</li> <li>Observation and problem solving skills</li> <li>Various art media with an emphasis in fine arts</li> <li>Creating art work with their own hands</li> </ul>	<b>Music</b> <ul style="list-style-type: none"> <li>American and Spanish Folk songs</li> <li>Nursery rhymes</li> <li>Simple instruments</li> <li>Listening examples from great composers</li> <li>Making conscious skills learned previously such as: beat, meter, and rhythm</li> <li>Basic music notation</li> <li>Beginning solfege</li> </ul>



2nd Grade	
<b>Art</b> <ul style="list-style-type: none"> <li>The character of God and His Creations through visual arts</li> <li>God's Elements of Art and the definition of art</li> <li>Visual record of the Gospel through study of master artists: Giotto, Raphael, Albrecht Durer, Benjamin West, August Renoir, and Joan Miro</li> <li>Each child's God-given talent to produce visual art for the glory of God</li> <li>Stewardship of time, talent, and tools</li> <li>Observation and problem solving skills</li> <li>Various art media with an emphasis in fine arts</li> <li>Creating art work with their own hands</li> </ul>	<b>Music</b> <ul style="list-style-type: none"> <li>Review and build on skills learned from prior year</li> <li>Folk songs from America and other countries</li> <li>Listening examples from great composers</li> <li>Basic music notation</li> <li>Beginning solfege</li> </ul>



3rd Grade	
<b>Art</b> <ul style="list-style-type: none"> <li>The character of God and His Creations through visual arts</li> <li>God's Elements of Art and the definition of art</li> <li>Visual record of the Gospel through study of master artists: Jan van Eyck, Pieter Bruegal, Vermeer, Rembrandt, J.J. Audobon, Vincent van Gogh, and Piet Mondrian</li> <li>Each child's God-given talent to produce visual art for the glory of God</li> <li>Stewardship of time, talent, and tools</li> <li>Observation and problem solving skills</li> <li>Various art media with an emphasis in fine arts</li> <li>Creating art work with their own hands</li> </ul>	<b>Music</b> <ul style="list-style-type: none"> <li>Review and build on skills learned from prior year</li> <li>Folk songs from America and other countries</li> <li>Listening examples from great composers</li> <li>Music notation</li> <li>Solfege</li> <li>Reading music</li> <li>Conducting music</li> </ul>





**4th Grade**

Art	Music
<ul style="list-style-type: none"> <li>• The character of God and His Creations through visual arts</li> <li>• God's Elements of Art and the definition of art</li> <li>• Visual record of the Gospel through study of master artists: Leonardo da Vinci, L. Cranach, Frederic E. Church, Frederic Remington, Winslow Homer, N.C. Wyeth, Picasso, and Liz Lemon Swindle.</li> <li>• Each child's God-given talent to produce visual art for the glory of God</li> <li>• Stewardship of time, talent, and tools</li> <li>• Observation and problem solving skills</li> <li>• Various art media with an emphasis in fine arts</li> <li>• Creating art work with their own hands</li> </ul>	<ul style="list-style-type: none"> <li>• Review and build on skills learned from prior year</li> <li>• Expand vocal range</li> <li>• Develop a musical ear</li> <li>• Sight-singing</li> <li>• Solfege/hand signs</li> <li>• Rhythm</li> <li>• Instruments</li> <li>• Musical theory</li> <li>• Composer listening through a basic singing curriculum</li> <li>• Writing melodic and rhythmic dictation</li> <li>• Choral singing</li> </ul>



**5th through 8th Grade**

Art	Music
<ul style="list-style-type: none"> <li>• Elements of design and how to observe the "Beauty of this World"</li> <li>• Introduction to various mediums and styles of creating art images</li> <li>• Drawing and painting</li> </ul>	<ul style="list-style-type: none"> <li>• Review and build on skills learned from prior year</li> <li>• Expand vocal range</li> <li>• Develop a musical ear</li> <li>• Sight-singing</li> <li>• Solfege/hand signs</li> <li>• Rhythm</li> <li>• Instruments</li> <li>• Musical theory</li> <li>• Composer listening through a basic singing curriculum</li> <li>• Writing melodic and rhythmic dictation</li> <li>• Choral singing</li> </ul>



**9th through 12th Grade**

Art	Music
<ul style="list-style-type: none"> <li>• Elements of design and how to observe the "Beauty of this World"</li> <li>• Introduction to various mediums and styles of creating art images</li> <li>• Drawing and painting</li> </ul>	<ul style="list-style-type: none"> <li>• Vocal techniques</li> <li>• Music literacy</li> <li>• Ensemble skills</li> </ul>