

Verona Area Core Knowledge® Charter School
6th - 8th Grade Curriculum Scope and Sequence

	LANGUAGE ARTS	WORLD HISTORY	U.S. HISTORY	GEOGRAPHY	MATH	SCIENCE
Sixth Grade	<p>Writing, Grammar, and Usage Poetry Fiction and Drama:</p> <ul style="list-style-type: none"> • <i>Ghost of Black Hawk Island</i> • Shakespeare's <i>Julius Caesar</i> • <i>My Brother Sam is Dead</i> • <i>Dragonwings</i> <p>Sayings and Phrases Vocabulary Workshop Level A Reading Text:</p> <ul style="list-style-type: none"> • <i>Realms of Gold Vol I</i> 	<p>Lasting Ideas from Ancient Civilizations Enlightenment French Revolution Romanticism Industrialism, Capitalism, Socialism Latin American Independence Movements</p>	<p>Immigration, Industrialization, and Urbanization Reform</p>	<p>Spatial Sense Five Themes Deserts of the World Latin America</p>	<p>Numbers and Number Sense Ratio and Percent Computation Measurement Geometry Probability and Statistics Pre-Algebra</p> <p><u>Texts:</u> Glencoe Middle School Math Course 1 Glencoe Middle School Math Course 2</p>	<p>Metric System, Lab Safety, Microscope Labs and Dissection Labs Astronomy: Gravity, Newton's Law, Stars, Galaxies, Earth-Moon system Plate Tectonics: Introduction To Our Earth, Structure of the Earth, Crust Movements, Earthquakes and Volcanoes Energy, Heat and Heat Transfer: Forms and sources of energy, Fossil fuels, Nuclear energy, Heat and temperature, Transfer of heat energy, Properties of matter, Phase changes Oceans: Surface, Subsurface land features, Currents, Tides, Waves, Marine life Human Body: Circulatory and Lymphatic System, Immune System Scientist Research: Latimer, Wegner, Curie, Newton</p>
Seventh Grade	<p>Writing, Grammar, and Usage Poetry Fiction, Nonfiction, and Drama:</p> <ul style="list-style-type: none"> • <i>Strange Case of Dr. Jekyll and Mr. Hyde</i> • <i>The Call of the Wild</i> • <i>Diary of Anne Frank</i> • <i>Roll of Thunder, Hear My Cry</i> • <i>The Giver</i> <p>Foreign phrases commonly used in English Vocabulary Workshop Level B Reading Text:</p> <ul style="list-style-type: none"> • <i>Realms of Gold Vol 2</i> 	<p>World War I Russian Revolution World War II</p>	<p>America Becomes a World Power American from the Twenties to the New Deal</p>	<p>Europe United States</p>	<p>Properties of Real Numbers Polynomial Arithmetic Equivalent Equations and Inequalities Integer Exponents Three Dimensional Objects Angle Pairs, Triangles Measurement Probability and Statistics</p> <p><u>Texts:</u> Glencoe Middle School Math Course 3 Pre-Algebra</p>	<p>Metric Review, Lab Safety Review, Microscope and Dissection Labs Atomic Structure: Early theories of matter, Development of modern chemistry, Periodic table Chemical Bonds and Reactions: Transfer of electrons, Ionic, Metallic, Covalent bonding, Chemical reactions, Balancing chemical equations, Exothermic and endothermic reactions, Reactions with acids and bases History of Earth: Fossils record, Geologic ages of the earth, Precambrian era, Paleozoic era, Mesozoic era, Cenozoic era (including life forms of each) Cells Division & Genetics: Cell division, Mendel's experiments, Chromosomes and genes, DNA Genetics & Evolution: Adaptation, Mutation, Extinction, Natural selection, Trait variation, Speciation Scientist Research: Darwin, Meitner, Lavoisier, Mendeleev</p>

	LANGUAGE ARTS	WORLD HISTORY	U.S. HISTORY	GEOGRAPHY	MATH	SCIENCE
Eighth Grade	<p>Writing, Grammar, and Usage</p> <p>Poetry</p> <p>Fiction, Nonfiction, and Drama:</p> <ul style="list-style-type: none"> • <i>The Good Earth</i> • <i>The Breadwinner</i> • <i>Journey to Jo'Burg</i> • <i>The Watsons Go to Birmingham--1963</i> <p>Foreign phrases commonly used in English</p> <p>Vocabulary Workshop Level C</p> <p>Reading Text:</p> <ul style="list-style-type: none"> • <i>Realms of Gold Vol 3</i> 	<p>Decline of European Colonialism</p> <p>Cold War</p> <p>Middle East & Oil Politics</p> <p>End of Apartheid in South Africa</p>	<p>Civil Rights Movement</p> <p>Vietnam War and Rise of Social Activism</p> <p>Civics—The Constitution</p>	<p>China</p> <p>Middle East</p> <p>Canada & Mexico</p>	<p>Properties of Real Numbers</p> <p>Relations, Functions and Graphs</p> <p>Linear Equations and Functions</p> <p>Arithmetic of Rational Expression</p> <p>Quadratic Equations and Functions</p> <p>Analytic Geometry</p> <p>Intro to Trigonometry</p> <p>Triangles and Proofs</p> <p><u>Texts:</u></p> <p>Glencoe Middle School Math Course 3</p> <p>Pre-Algebra</p> <p>Algebra I</p> <p>Geometry*</p> <p> *As needed</p>	<p>Metric Review, Lab Safety Review, Microscope and Dissection Labs</p> <p>Physics: Newton's Laws, Speed, Force, Work, Energy, Power, Density, Buoyancy</p> <p>Electricity & Magnetism: Basic terms and concepts, Flow of electrons, Conductors and insulators, Static electricity, Measurement of flowing electricity, Ohm's law, Connection between electricity and magnetism, Magnetic fields, Practical applications</p> <p>Electromagnetic Radiation and Light: Waves and electromagnetic radiation, electromagnetic spectrum, Refraction and reflection</p> <p>Sound: Properties of waves, Amplitude and frequency, Transverse and longitudinal waves, Production & travel of sound waves, Speed of sound</p> <p>Biochemistry (Chemistry of Food and Respiration): Sources of energy for life, Energy in Plants: Photosynthesis; Energy in animals: Respiration; Human nutrition and respiration, Human health</p> <p>Scientist Research: Einstein, Hodgkin, Maxwell, Steinmetz</p>