

# Middle School Level: Ages 12-14

Language Arts	Writing	Math	Science	Research and Technology	Cultural Studies
<p>Reading</p> <ul style="list-style-type: none"> <li>Interpretive reading for comprehension</li> <li>Library books for research and pleasure</li> <li>Literature genre</li> <li>Character studies</li> <li>Book talks</li> <li>Literary elements</li> <li>Texas Lone Star books</li> </ul> <p>Literature Discussions</p> <ul style="list-style-type: none"> <li>Listening skills</li> <li>Speaking with clarity, confidence, fluency</li> <li>Drawing conclusions</li> <li>Making inferences</li> </ul> <p>Grammar Analysis</p> <ul style="list-style-type: none"> <li>Parts of speech</li> <li>Compound/complex sentence structure</li> <li>Diagramming</li> <li>Clauses/Tenses/Moods</li> <li>Transitive/Intransitive verbs</li> <li>Punctuation and capitalization</li> <li>Connotation and Denotation</li> </ul> <p>Literature and Short Story Analysis</p> <ul style="list-style-type: none"> <li>Develop critical and analytical thinking skills</li> </ul> <p>Word study</p> <ul style="list-style-type: none"> <li>Vocabulary</li> <li>Analogies</li> <li>test-taking strategies</li> </ul>	<p>Pre-writing activities, rough draft, revision, editing, final draft</p> <p>Compositions</p> <ul style="list-style-type: none"> <li>Multi-step writing process</li> <li>Five paragraph essay</li> <li>Narrative</li> <li>Compare and contrast</li> <li>Cause and effect</li> <li>Quarterly Book Reviews</li> <li>Short story</li> <li>Poetry</li> <li>Persuasive</li> <li>Descriptive</li> <li>Term papers</li> <li>Literature-based Enrichment Essays</li> </ul> <p>Mechanics of writing</p> <ul style="list-style-type: none"> <li>Capitalization</li> <li>Usage</li> <li>Punctuation</li> <li>Spelling</li> <li>Syntax</li> <li>Transitions</li> <li>Word choices</li> </ul> <p>Peer editing: mechanics, content, purpose, and audience</p> <p>Publishing</p> <ul style="list-style-type: none"> <li>Oral presentation</li> <li>Newsletters</li> <li>Artistic displays</li> <li>Exhibits</li> </ul> <p>Journal/Reading responses</p> <ul style="list-style-type: none"> <li>Free writing</li> <li>Literary response notes</li> </ul>	<p>Pre Algebra</p> <ul style="list-style-type: none"> <li>Decimals/fractions</li> <li>Ratios/Percentages</li> <li>Proportions</li> <li>Statistics</li> <li>Algebraic integers and expressions</li> <li>Probability</li> <li>Data analysis</li> <li>Solving equations</li> <li>Graphing linear functions</li> <li>Solving linear equations</li> <li>Intro to functions</li> </ul> <p>Algebra (Pre-AP)</p> <ul style="list-style-type: none"> <li>Integers and operations</li> <li>Linear equations</li> <li>Polynomials</li> <li>Factoring</li> <li>Quadratic equation</li> <li>Coordinate geometry</li> <li>Two variable equations</li> <li>Inequalities</li> <li>Exponents</li> <li>Pythagorean theorem</li> </ul> <p>Geometry</p> <ul style="list-style-type: none"> <li>Intro – Points, Lines, Planes</li> <li>Shapes</li> <li>Angles</li> <li>Area and volume</li> <li>Proofs</li> <li>Similarity</li> <li>Basic Trigonometry</li> <li>Congruence</li> </ul>	<p>Scientific Method &amp; Nature of Science</p> <ul style="list-style-type: none"> <li>Scientific Method</li> <li>Laboratory Safety</li> <li>Type of Investigations</li> <li>Research papers</li> </ul> <p>Chemistry</p> <ul style="list-style-type: none"> <li>Atomic Structure</li> <li>Interpreting the Periodic Table</li> <li>Elements vs. Compounds</li> <li>Chemical vs. Physical Reactions</li> <li>Counting Atoms and Balancing Chemical Formulas</li> <li>Organic vs. Inorganic Compounds</li> </ul> <p>Biology</p> <ul style="list-style-type: none"> <li>Diversity of Living Things</li> <li>Plant vs. Animal Cells</li> <li>Living Systems-Homeostasis</li> <li>Human Body Systems</li> <li>Reproduction and Heredity</li> <li>Earth's Changing Surface-Natural Events and Human Activities effecting Ecosystem</li> <li>Living in Space – Effect on Human Body</li> </ul> <p>Physics</p> <ul style="list-style-type: none"> <li>Newton's Laws of Motion</li> <li>Speed, Velocity, and Acceleration</li> <li>Potential vs. Kinetic Energy</li> <li>Work</li> <li>Force</li> <li>Astronomy</li> <li>Weather</li> <li>Geology</li> </ul>	<p>Big 6 Research Method</p> <ul style="list-style-type: none"> <li>Identifying topics</li> <li>Locating sources <ul style="list-style-type: none"> <li>Call numbers</li> <li>Digital search databases</li> <li>Dewey Decimal System</li> <li>URL decomposition</li> <li>Boolean searches</li> <li>Validating and selecting internet sites</li> </ul> </li> <li>Primary and secondary sources</li> <li>MLA parenthetical citations</li> <li>Extracting information: digital note taking</li> <li>Synthesizing data <ul style="list-style-type: none"> <li>Graphic organizers</li> <li>Charts, graphs, maps, and tables</li> <li>Digital presentations</li> <li>MLA formatting</li> </ul> </li> <li>Self/ peer evaluation, feedback forms</li> </ul> <p>Computer basics</p> <p>Basic keyboarding</p> <p>Digital timelines</p> <p>Easybib and Citation Machine</p> <p>Microsoft Word , Excel, Powerpoint, Picture Manager, and Publisher</p> <p>Online Britannica and online citations</p> <p>Online dictionaries, thesaurus, and quotes</p>	<p>Main Learning Experiences</p> <ul style="list-style-type: none"> <li>Debates, Simulations, Seminars, Interviews, Research, and Data-Based-Question Essay Writing</li> </ul> <p>Academic Skills</p> <ul style="list-style-type: none"> <li>Chronological sequencing &amp; Periodization,</li> <li>Contextualization &amp; Comparison</li> <li>Interpreting &amp; Inferencing</li> <li>Crafting Historical Arguments, &amp; Synthesis</li> </ul> <p>American History, 1491-present</p> <ul style="list-style-type: none"> <li>Native Americans &amp; Columbian Exchange</li> <li>*Colonial life &amp; Revolutionary War</li> <li>Constitution &amp; the Bill of Rights</li> <li>Expansion &amp; Immigration</li> <li>Antebellum America &amp; Reform Movements</li> <li>The Civil War &amp; Reconstruction</li> <li>Progressive Era and World War I</li> <li>Prosperity, Great Depression, and World War II</li> <li>Cold War, Civil Rights, and the Culture of Protest</li> <li>Rise of Conservatism &amp; Globalization</li> </ul> <p>World History</p> <ul style="list-style-type: none"> <li>Big Geography &amp; Cosmic Calendar</li> <li>Early Hominids &amp; Creation Stories</li> <li>Neolithic Revolution &amp; Early Agricultural Societies</li> <li>Classical Civilizations: China and India</li> <li>Classical Civilizations: Greece and Rome</li> <li>Rise of Islam &amp; African States</li> <li>Crisis in Afro-Eurasia, Crusades &amp; Renaissance</li> <li>Chinese Dynasties of Tang/Song &amp; The Mongols</li> <li>Native American Empires &amp; Colliding Atlantic Worlds</li> <li>The West: Colonization &amp; Imperialism</li> <li>Industrialization &amp; Muslim Empires</li> <li>Rise of Russia &amp; Japan</li> <li>World Wars I and II</li> <li>Cold War &amp; Revolutions of Latin America</li> <li>Decolonization: Africa &amp; Middle East</li> <li>Modernity &amp; Globalization</li> </ul> <p>Course Themes:</p> <ul style="list-style-type: none"> <li>-Interaction Between Humans and Environment</li> <li>-Development and Interaction of Cultures</li> <li>-State-Building, Expansion, and Conflict</li> <li>-Creation, Expansion, and Interaction of Economic Systems</li> <li>-Development and Transformation of Social Structures</li> </ul>

Spanish	Physical Education	Practical Life	Fine Arts and Theatre	Music	
<p><b>Students, at a minimum, complete Spanish I and are assessed regularly in reading, writing, and conversational Spanish</b></p> <p>Survival Spanish</p> <p>Translate dialogues from English to Spanish</p> <p>Paragraph development</p> <ul style="list-style-type: none"> <li>Describe people</li> <li>Give/receive directions</li> <li>Shopping/Ordering</li> </ul> <p>Express likes/dislikes</p> <p>Express states and feelings</p> <p>Cultural research and presentations</p>	<p>Team Sports and Team Building</p> <p>Recreational Activities</p> <p>Goal Setting</p> <p>Health and Fitness concepts</p> <p>Cardiovascular, Flexibility and Strength Training</p> <p>Cooperative games</p> <p>PE &amp; Technology</p> <p>Safety</p> <p>Lifetime Activities</p>	<p>Socratic seminars</p> <p>Community meals</p> <p>Community service</p> <p>Grace and courtesy</p> <p>Protocol</p> <ul style="list-style-type: none"> <li>Class meetings</li> <li>Group discussions</li> <li>Visitors/ Dignitaries</li> </ul>	<p>Everything in elementary plus:</p> <p>Applying aesthetic judgments and art criticism</p> <p>Employing formal method of art criticism (including aesthetic judgment)</p> <p>Exploring art careers</p> <p>Full-stage production</p>	<p>Feels the underlying steady beat of a rhyme, song or recorded musical selection/ walks to that steady beat</p> <p>Sequences movement with a partner or group in advance beginning and intermediate folk dances</p> <p>Can move the body in integrated ways in folk dances</p> <p>Sings pentatonic and diatonic melodies in tune</p>	<p>Performance based electives:</p> <ul style="list-style-type: none"> <li>Beginning Brass</li> <li>Percussion Ensemble</li> <li>Choir</li> </ul> <p>Reading from standard staff notation</p> <p>Listening to blend and tune with others</p> <p>Chord structures of major and minor melodies</p>