

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"> • Interpretive reading for comprehension • Library books for research and pleasure • Literature genre • Character studies • Book talks • Literary elements • Texas Lone Star books <p>Literature Discussions</p> <ul style="list-style-type: none"> • Listening skills • Speaking with clarity, confidence, fluency • Drawing conclusions • Making inferences <p>Grammar Analysis</p> <ul style="list-style-type: none"> • Parts of speech • Compound/complex sentence structure • Diagramming • Clauses/Tenses/Moods • Transitive/Intransitive verbs • Punctuation and capitalization • Connotation and Denotation <p>Word study</p> <ul style="list-style-type: none"> • Vocabulary • Analogies • test-taking strategies 	<p>Pre-writing activities, rough draft, revision, editing, final draft</p> <p>Compositions</p> <ul style="list-style-type: none"> • Multi-step writing process • Five paragraph essay • Narrative • Compare and contrast • Cause and effect • Short story • Poetry • Persuasive • Descriptive • Term papers <p>Mechanics of writing</p> <ul style="list-style-type: none"> • Capitalization • Usage • Punctuation • Spelling • Syntax • Transitions • Word choices <p>Peer editing: mechanics, content, purpose, and audience</p> <p>Publishing</p> <ul style="list-style-type: none"> • Oral presentation • Newsletters • Artistic displays • Exhibits <p>Journal/Reading responses</p> <ul style="list-style-type: none"> • Free writing • Literary response notes 	<p>Pre Algebra</p> <ul style="list-style-type: none"> • Decimals/fractions • Ratios/Percentages • Proportions • Statistics • Algebraic integers and expressions • Probability • Data analysis <p>Geometry</p> <ul style="list-style-type: none"> • Introductory – Points, Lines, Planes • Shapes • Angles • Area and volume <p>Algebra (equivalent to Pre-AP)</p> <ul style="list-style-type: none"> • Integers and operations • Linear equations • Polynomials • Factoring • Quadratic equation • Coordinate geometry • Two variable equations • Inequalities • Exponents • Rational/Radical expressions • Pythagorean theorem 	<p>Physical Science</p> <ul style="list-style-type: none"> • Measuring mass, volume and density of all matter phases • Data collection and graphing • Changing states of matter • Fluids and vacuums • Temperature and heat • Specific heat • Caloric measurement of heat • Light, filters and color • Sunlight and the spectrum • Reflection/Refraction of light • John Dalton’s atomic theory • Crystal growing • Balancing chemical equations • Relative atomic/molecular mass • Structure of the atom and cell <p>Ecology</p> <ul style="list-style-type: none"> • Changes over time in a small area • Seed scarification and the controlled • Soil composition • Water in soil • The Edwards Aquifer • Meteorology • Sunlight and green plants • Energy in plants • The components of biomass • Sunlight, chlorophyll and the production of carbohydrates • Organisms that produce and consume 	<p>Big 6 Research Method</p> <ul style="list-style-type: none"> • Identifying topics • Locating sources <ul style="list-style-type: none"> • Call numbers • Digital search databases • Dewey Decimal System • URL decomposition • Boolean searches • Validating and selecting internet sites • Primary and secondary sources • MLA parenthetical citations • Extracting information: digital note taking • Synthesizing data <ul style="list-style-type: none"> • Graphic organizers • Charts, graphs, maps, and tables • Digital presentations • MLA formatting • Self/ peer evaluation, feedback forms <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>Middle Ages</p> <ul style="list-style-type: none"> • Early writings, art and religion • Centers for learning/monasteries • Charlemagne • Vikings • Feudalism and the manorial system • Peasant life and nobility • Norman conquest • Role of the church as state • The crusades • Arab civilization • 12th century cultural revolution • Towns and trade <p>Renaissance</p> <ul style="list-style-type: none"> • The Medici • Venice • Leonardo Di Vinci/Michelangelo • Age of exploration • Growth of banking/commerce • The Protestant reformation • England’s “golden age” <p>U.S. history and government</p> <ul style="list-style-type: none"> • History in artifact • Types/Branches of governments • Colonial life • Famous Americans • Revolutionary War • Constitution and the Bill of Rights • Expansion and immigration • The Civil War <p>Small group seminar discussions</p> <ul style="list-style-type: none"> • Literature (novels) • Study of historic classics • Current events <p>Geography : regions, cultures, map skills, countries</p> <p>Presentations: Visual, oral, research papers</p>
Spanish	Physical Education	Practical Life	Fine Arts and Theatre	Research and Technology	Music
<p>Survival Spanish</p> <p>Translate dialogues from English to Spanish</p> <p>Paragraph development</p> <ul style="list-style-type: none"> • Describe people • Give/receive directions • Shopping/Ordering <p>Cultural research and presentation</p> <p>Dialects</p> <p>Native speaker tutoring</p>	<p>Cardiovascular activities (i.e. pacing, heart rate and endurance)</p> <p>Introduction to strength training</p> <p>Cooperative games</p> <p>Speed training</p> <p>Nutrition</p> <p>Increasing flexibility</p> <p>Sportsmanship</p>	<p>Socratic seminars</p> <p>Community meals</p> <p>Community service</p> <p>Grace and courtesy Protocol</p> <ul style="list-style-type: none"> • Class meetings • Group discussions • Visitors/ Dignitaries 	<p>Everything in elementary plus:</p> <p>Use of a variety of media</p> <p>Applying aesthetic judgments and art criticism</p> <p>Exploring art careers</p> <p>Full-production Shakespearean plays: Much Ado about Nothing, A Midsummer Night’s Dream</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>Reads and notates simple and complex rhythm patterns</p> <p>Sight-reads pentatonic and diatonic unison and two-part melodies using solfege</p> <p>Plays accompaniments to folk songs on pitched and un-pitched Orff instruments</p> <p>Study of the vocal mechanism, vocal care and maintenance, and symptoms of vocal abuse</p>