

Middle School: Ages 12-14



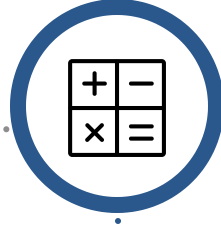
Language Arts

- Grammar: Parts of Speech
- Nouns: common, proper, abstract, plural and possessive, appositives, & pronouns
 - Verbs: subject/verb agreement, active and passive voice, verb moods, gerunds, participles, infinitives, progressive and perfect tenses
 - Adjectives and adverbs: comparative & superlative
 - Prepositions and prepositional phrases
- Sentence Structure: Types
- Simple
 - Compound
 - Complex
 - Clauses
- Mechanics of Writing
- Capitalization
 - End Marks
 - Commas
 - Semicolons and colons
 - Quotation marks
 - Italics, apostrophes, hyphens
 - Dashes, parenthesis, ellipses
- Usage
- Word roots
 - Prefixes and suffixes
 - Synonyms and antonyms
 - Analogies
 - Figures of speech
- Writing Process
- Prewriting & drafting
 - Revising & editing
 - Proofreading & Publishing



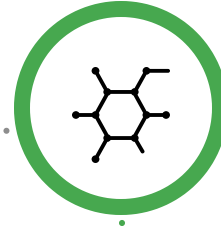
Literature

- Reading
- Explicit comprehension
 - Implicit comprehension
 - Making inferences
 - Making predictions
 - Drawing conclusions
 - Applied critical thinking
- Literature Analysis
- Characters and setting(s)
 - Themes & symbols
 - Plot structure
 - Historical connections
 - Contemporary applications
 - In-depth questioning
 - Evidence-based citation
 - Detailed literary notes
 - Leveled questioning
 - Socratic Discussion
 - Shared insights
 - Active listening
 - Engaged dialogue
 - Thematic connections
 - Independent thought
 - Speaking with clarity and purpose
 - Multiple perspectives
 - Societal impacts
 - Personal connections
- Literary Components



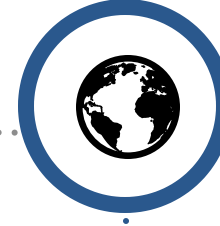
Math

- Pre-Algebra
 - Decimals & fractions
 - Ratio, proportion percent
 - Algebraic expressions
 - Integers
 - Solving one and two step equations
 - Slope
 - Slope intercept form
 - Coordinate geometry
 - Probability
 - Statistics and graphs
 - Order of operations
 - Number sense
 - Write and graph basic inequalities
- Algebra 1
- Review integers and operations
 - Properties of real numbers
 - Linear functions
 - Solving multi-step equations
 - Solve and graph all inequalities
 - Polynomials and factoring
 - Solve systems of linear equations
 - Quadratic functions
 - Exponents
 - Pythagorean theorem
 - Radical expressions
 - Squares and square roots
 - Quadratic equations
 - Properties of real numbers



Science

- Scientific Method
- Laboratory safety
 - Types of note-taking
 - Scientific measurement
- Science Fair
- Research papers
 - Independent research
 - Types of investigations
 - Presentation of research
- Chemistry
- Atomic structure
 - Interpreting the Periodic Table
 - Elements
 - Compounds
 - Chemical reactions
 - Physical reactions
 - Balancing chemical equations
 - Chemistry of living systems
- Physics
- Newton's Laws of Motion



American and World History

- Historical Learning Experiences
- Debates, simulations, seminars, interviews, research, note-taking strategies, & Data-Based-Question essay writing
- Academic Skills
- Chronological sequencing & periodization
 - Contextualization & comparison
 - Interpreting & inferencing
 - Crafting historical arguments & synthesis
- American History, 1491 - present
- Native Americans & Columbian Exchange
 - Colonial life & Revolutionary War
 - Constitution & the Bill of Rights
 - The early Republic
 - Expansion & immigration
 - Antebellum America & reform movements
 - The Civil War & Reconstruction
 - Progressive Era, World War I, & 1920s
 - Great Depression & World War II
 - Cold War & Civil Rights
 - Culture of protest
 - Rise of conservatism & globalization
 - The moral arc of the universe
- World History, Big Bang - present
- Big geography & cosmic calendar
 - Early hominids & creation stories
 - Neolithic Revolution



Library and Research

- Debate
- Argumentation: claim, data, & warrant
 - Rhetorical analysis using ethos, pathos, & logos
 - Logic vs. validity
 - Syllogisms & logical fallacies
 - Bias, nonverbal communication & listening
 - Negotiation
 - Philosophy & ethics
 - Lincoln Douglas Value Debate
 - Student Congress & parliamentary procedure
 - Job interview skills & professional communication
- Montessori Model United Nations
- Explore how the UN works
 - Research global perspectives
 - Explore the Sustainable Development Goals (SDGs)
 - Role-play as ambassadors
 - Learn consensus building
 - Write resolutions
 - Attend the New York MMUN conference as delegates
- Passion Project
- Research a hobby, history topic, future job, or way to make the world better
 - Interview experts



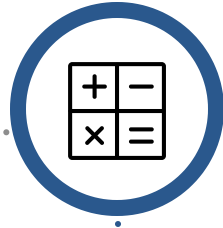
Language Arts continued

- Evaluating Essay Writing
- Personal narrative
- Compare and contrast
- Persuasive & expository
- Creative & literary
- Timed prompts



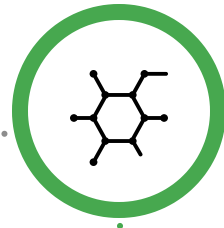
Literature continued

- Exposition
- Rising action
- Climax
- Falling action
- Resolution
- Imagery: irony, mood, point of view, literary devices, & varying genres
- Project-based Learning
- Performative monologues
- Student-created films
- Three dimensional art
- Slideshow creation
- Storyboards
- Promotional posters
- Collaborative process
- Goal setting
- Time management
- Project presentation



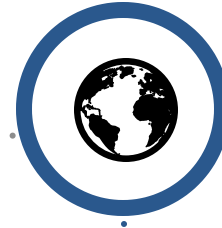
Math continued

- Solve systems of linear equations
- Quadratic functions
- Exponents
- Pythagorean theorem
- Radical expressions
- Squares and square roots
- Quadratic equations
- Properties of real numbers
- Geometry
 - Angles and parallel lines
 - Logic & reasoning
 - Proofs
 - Triangles
 - Congruence
 - Similarity
 - Area
 - Circles
 - Volume
 - Quadrilaterals
 - Trig ratios
 - Algebra review



Science continued

- Speed
- Velocity
- Acceleration
- Momentum
- Potential energy
- Kinetic energy
- Work
- Force
- Biology
 - Diversity of living things
 - Classification
 - Plant cells
 - Animal cells
 - Invertebrates vs. vertebrates
 - Human body systems
 - Living systems and homeostasis
 - Reproduction and heredity
 - Natural and human activities effects
- Earth Science
 - Atmosphere
 - Weather
 - Geology
 - Astronomy



American and World History cont.

- World Religions: Animism, Judaism, Christianity, Islam, Buddhism, Confucianism,
- Classical civilizations: China, India, Greece and Rome
- Rise of Islam & African states
- Afro-Eurasia, Crusades & Renaissance
- Chinese dynasties & the Mongols
- Reformations & scientific revolutions
- Native American empires & colliding Atlantic worlds
- American, French, & Atlantic Revolutions
- The West: colonization & imperialism
- Industrialization & Muslim empires
- Rise of Russia & Japan
- World Wars I and II
- Cold War & revolutions of Latin America
- Decolonization: Africa & Asia
- Modernity, globalization, & future trends
- Course Themes:
 - Humans and environment interaction
 - Cross-cultural interactions
 - State-building, expansion, and conflict
 - Creation of economic systems
 - Struggle for justice & human rights



Research and Technology cont.

- Write a history research paper
- Make interdisciplinary connections with math, science, English, music, and Spanish
- Craft and present a twenty minute TED talk style presentation
- Computer Basics:
 - Google Docs, Slides, & Spreadsheets
 - Keyboarding & online literacy
 - Digital etiquette and safety
 - Website design
 - Creating digital charts, graphs, maps, and tables
- Research Skills:
 - Explore digital databases
 - Boolean logic for searches
 - Validating sources
 - Creating digital source cards
 - MLA annotated bibliographies
 - Metacognition: self/ peer evaluation & feedback forms



Spanish

Students at a minimum complete Spanish I and are assessed regularly in reading, writing, and conversational Spanish.

Spanish I

- Getting to know someone
- Places: the house, the school, the restaurant, the city
- Asking for and giving directions
- Routines
- Traveling
- Hobbies
- Shopping
- Professions
- Grammar: infinitive verbs, present and preterite tense
- Reading: Short chapter book at the beginner/intermediate level

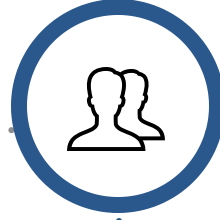
Spanish 2

- The Media
- Literature: autobiography, historical fiction
- Analysis of cultural aspects of Spanish speaking cultures
- Current events and social issues in Spanish speaking communities
- Grammar: simple and complex verb tenses and the subjunctive mood
- Writing: Short essays
- Reading: short chapter books at the intermediate/advanced level



Physical Education

Team Sports and Team Building
Recreational Activities
Goal Setting
Health and Fitness Concepts
Cardiovascular, flexibility and strength training
Cooperative games
PE & Technology
Safety
Lifetime Activities



Practical Life

Socratic Seminars
Community meals
Community Service
Grace and Courtesy
SEL-social and emotional learning
Protocol

- Class Meetings
- Group Discussions
- Visitors/Dignitaries



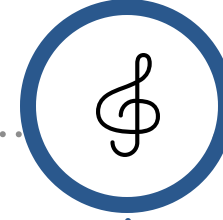
Fine Arts and Theater

Art Elective

- elements and principles of art
- Applying aesthetic judgments and art criticism
- Employing formal method of art criticism (including aesthetic judgement)
- Exploring art careers

Theater Elective

- voice
- movement
- genres
- stage craft



Music Performance Based

Performance based electives:

- Beginning Brass
 - beginning techniques and instrument care
- Percussion Ensemble
 - beginning techniques with multiple parts
 - Playing on barred instruments and unpitched percussion
- Choir
 - Participate in school and community performances

All electives focus on:

- Reading from standard staff notation
- Listening to blend and tune with others
- Chord structures of major and minor melodies