

Academic Standards for The Classical Academy



Kindergarten

History

Students will:

- Memorize the World History Timeline Song from Creation to Modern America
- Compare and Connect World History Timeline to American History Timeline
- Explore cornerstone events in American History by, but not limited to:
 - Reading historically accurate picture books with beautiful illustrations
 - Analyzing famous pieces of art depicting historical events
 - Memorizing dates and key figures in history
 - Internalizing the context of and reciting famous quotes by American patriots ("Give me liberty or give me death." – Patrick Henry, etc).
 - Theatrical role playing reenactments of events, battles and explorations
 - Drawing a labeling events in freeze frame, including period clothing and settings
 - Performing songs and chants about historical events
- Study historical events and dates including:
 - 1000 AD Leif Erikson discovers North America
 - 1492 AD Columbus explores the Caribbean
 - 1620 AD Pilgrims land at Plymouth Rock
 - Mayflower compact
 - 1773 AD Boston Tea Party
 - 1775 The Shot Heard Around the World
 - 1776 The Signing of The Declaration of Independence
 - 1789 George Washington inaugurated at first President
 - 1803 Jefferson and Louisiana Purchase
 - Louis and Clark Expedition and westward expansion
 - 1861 Lincoln and the American Civil War
 - 1865 Lee surrenders to Grant at Appomattox Courthouse
- Study Native American culture
 - Housing, food, clothing, survival
 - Squanto and Sacashwea
- Learn about some of History's Mysteries
 - Anasazi Indians
 - Lost Colony of Roanoke.

Science

Biology

- Classification
 - List the classifications of all living things
 - List the five kingdoms of living things and draw examples of each
- Botany

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- Name two types of trees and describe characteristics
 - Diagram and label some parts of a plant
 - Articulate the process of photosynthesis
- Zoology
 - Categorize animals as vertebrates or invertebrates
 - Subcategorize and draw vertebrates into five types
 - List and draw eight phylum of invertebrates
 - Diagram stages of amphibian and insect metamorphosis
 - Research and present a report on a vertebrate, including visual aids
- Anatomy
 - Identify and label key bones in the human skeletal system
 - List the bones that make up the axial skeletal
 - Identify the three types of muscle
 - Identify some parts of the eye
 - Diagram and articulate the functions of the following systems of the human body: Skeletal system, muscular system, digestive system, nervous system, circulatory system and respiratory system

Earth Science

- Topography
 - Draw and label landforms of the biosphere
 - Draw and label landforms of the hydrosphere
 - Paint and label the ocean zones
- Geology
 - Memorize, draw and label parts of the earth
 - Describe the theory of tectonic plates
 - Cause and effects of earthquakes' including the Richter Scale
 - Memorize, recite and diagram parts of a volcano
 - Describe and draw four types of volcanos
 - Identify and diagram three types of rock
 - Participate in multisensory rock observation lab to compare and contrast different types of rocks
 - Build 3D models of three types of rock and discuss rock cycle
- Weather
 - Describe and diagram types of clouds, including features and altitude.
 - Discuss and predict daily weather
 - Describe and diagram three types of lightning
 - Analyze extreme weather including hurricanes, tornadoes, hail, fog, blizzards etc.
- States of matter - describe the differences between solid, liquid, and gas
- Water cycle
 - Describe and diagram stages of the water cycle
 - Participate in water cycle lab experiment

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Astronomy

- Recite and diagram the phases of the moon
- Define waxing and waning and articulate the cause and effect of the positions of the sun and the earth on the moon
- List the planets in the solar system
- Diagram the solar system including:
 - Composition of each planet
 - Size of each planet
 - Key features
 - Order of orbit

Mathematics (Saxon 1)

The student will:

- Learn basic number sense
- Addition and subtraction tables
- Skip counting
- Reading a clock
- Counting money
- Measurement

Reading and Grammar

The student will:

- Learn all 71 phonograms
- Begin learning the 47 spelling rules
- Learn penmanship and how to write with excellence
- Have daily spelling lessons and weekly spelling tests derived from the phonograms and spelling rules learned during the week
- Practice constructing complete sentences.
- Define the parts of speech: nouns, pronouns, verbs, and adjectives.
- Identify types of sentences and the parts of a sentence.
- Study punctuation marks: periods, question marks, exclamation points, and commas.
- Learn plural noun rules.
- Identify homonyms.
- Learn capitalization rules.
- Leave kindergarten with the basic tools needed to master reading by the end of first grade

Literature

- Listen to great literature including: The Miraculous Journey of Edward Tulane and Trumpet of the Swan

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Geography

- Accurately draw and label world map including :
 - Five lines of latitude
 - The seven continents
 - The four oceans
 - Tallest mountains
 - Longest rivers
 - Other major features and landmarks
 - Compass rose and legend
- Accurately draw and label US map including:
 - Sarasota, Florida
 - Pacific Ocean, Atlantic Ocean, Gulf of Mexico
 - Mountain Ranges
 - Mississippi River
 - Grand Canyon
 - Great Lakes
 - Old Faithful
 - Niagara Falls
- The Original 13 Colonies
- Washington DC
 - Washington Monument
 - Lincoln Memorial
 - Capital Building
 - White House
- Statue of Liberty
- Liberty Bell
- Mount Rushmore
- Golden Gate Bridge
- Redwood Forests
- Space Needle
- Southwest desert