



Hellenic American Academy

Socrates Hellenic American Day School

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SIXTH GRADE LEVEL OBJECTIVES PRIMARY EDITION

READING/LITERATURE

- Uses structural analysis and context clues to determine word meaning
- Uses the dictionary to locate words and word meanings
- Recognizes that words have multiple meanings
- Recognizes & uses vocabulary related to specific content areas
- States the main idea of a reading selection
- Sequences events of a selection
- Uses specific details to support & construct meaning in text
- Predicts possible outcomes of a reading selection
- Compares and contrasts information
- Considers solutions to problems in a reading selection
- Recognizes story elements such as plot, setting, characterization, point of view & theme
- Reads to understand & analyze various literary genres & forms (*fantasy, traditional tales and poetry*)
- Recognizes literary devices (*ex: symbolism, foreshadowing, imagery, pun*)

SPELLING

- Spells the 6th grade high frequency word list correctly
- Knows and uses all 6th grade rules & spelling generalizations
- Applies spelling rules in writing
- Uses a variety of resources to verify standard spelling (*ex: dictionary*)

STUDY SKILLS

- Utilizes content area reading strategies (*ex: graphic organizers*) in narrative & informational reading & writing
- Maintains note-taking skills
- Uses an assignment notebook
- Uses outlines for note-taking in various content areas
- Uses maps, charts, graphs, and diagrams when appropriate
- Uses summarizing, bibliographies, skimming & paraphrasing for study purposes

LIBRARY

- Utilizes and evaluates information sources
- Applies searching skills
- Selects and evaluates books

MUSIC

- Recognizes and identifies the basic elements of music (*melody, rhythm, harmony, form, and tone color*)
- Identifies selected musical instruments by sight and sound
- Differentiates between various styles of music
- Utilizes technology through the MIDI lab
- Builds and develops a music vocabulary
- Demonstrates a correct singing technique
- Understands the difference between an opera, operetta, and a musical

WRITING/GRAMMAR

- Edits for punctuation, capitalization, grammar & spelling
- Uses resources in the editing process
- Recognizes and uses parts of speech correctly
- Eliminates fragments and run-on sentences
- Varies sentence style and structure
- Uses appropriate transitional words
- Uses and punctuates dialogue correctly
- Works independently through the stages of the writing process
- Uses the library to develop skills for research & report information



SIXTH GRADE LEVEL OBJECTIVES PRIMARY EDITION

WRITING/GRAMMAR (*cont'd...*)

- Applies spelling rules in written work
- Uses appositives
- Uses 8 parts of speech correctly (*nouns, verbs, adjectives, adverbs, prepositions, pronouns, interjections, and conjunctions*)
- Uses transitional words
- Uses possessives
- Demonstrates appropriate speaking behavior; articulate rate, volume and body language
- Recognizes purposes of oral messages (*e.g.: convey information, entertain, give directions, persuade*)
- Makes inferences and identifies different points of view in oral messages
- Participates in both large and small group discussions
- Communicates ideas and feelings appropriately informal and informal situations
- Recalls specific and significant details of an oral passage
- Enjoys listening to and sharing writing with a variety of audiences
- Uses meaningful prewriting strategies
- Organizes ideas into paragraphs
- Develops writing to include details, support, and elaboration
- Includes story elements, setting, plot, and characters in one's own writing
- Revises and self-edits when writing
- Uses mood/tone and voice
- Uses the following to enhance and perfect writing: sentence variety, improved word choice, combined sentences, teacher & peer suggestions, and teacher & peer conferences
- Uses figurative & vivid language in reading & writing including: personification, symbolism, alliteration, similes, metaphors and imagery in writing

MATHEMATICS

Connections A

- Maintains recall of basic math facts
- Uses estimation as a problem-solving procedure
- Uses the appropriate mathematical operation(s) to solve real world problems
- Identifies the place value of whole numbers through billions
- Identifies the place value of decimal numbers through hundred thousandths
- Rounds any whole number or decimal to a specified place value
- Recognizes the importance and use of estimation strategies
- Uses a calculator in appropriate situations
- Evaluates numbers written in exponential form
- Performs all four operations (*addition, subtraction, multiplication, and division*) with whole numbers, decimals, and fractions
- Compares and orders whole numbers, decimals & fractions
- Performs operations of addition and subtraction of integers
- Converts percents, decimals, and fractions
- Uses mental math to multiply and divide whole numbers and decimals by powers of 10
- Calculates sales discounts and tax
- Measures in metric and U.S. customary units
- Solves one-step equations with whole numbers
- Draws a graph given an ordered pair
- Uses the correct order of operations involving all four operations
- Finds the mean, median, mode, and range of a set of data
- Finds the area, volume & perimeter of plane figures: squares, rectangle, triangle and parallelograms

Connections B

- Maintains recall of basic math facts
- Uses estimation as a problem solving procedure
- Applies different types of problem solving strategies
- Simplifies algebraic expressions
- Completes function tables and finds function rules
- Recognizes and uses metric units of measure
- Performs addition, subtraction, multiplication & division of integers

SIXTH GRADE LEVEL OBJECTIVES PRIMARY EDITION

MATHEMATICS (*cont'd...*)

Connections B

- Identifies, analyzes & solves problems using algebraic equations
- Interprets a set of data using mean, median, mode & range
- Interprets and constructs different types of graphs
- Identifies and classifies triangles, special quadrilaterals & angles
- Finds Greatest Common Factors and Least Common Multiples
- Maintains addition, subtraction, multiplication, and division of fractions
- Graphs equations and inequalities on a number line
- Uses proportions to solve problems
- Orders and compares fractions, decimals, and percents
- Solves the three types of percent problems
- Uses percents of increase or decrease to solve a variety of problems
- Evaluates a variety of variable expressions
- Identifies properties of numbers
- Chooses mental math, paper and pencil, or a calculator as the most efficient method of computation

Gateway to Algebra

- Maintains recall of basic math facts
- Uses estimation as a problem solving procedure
- Maintains all operations with positive numbers, fractions, and decimals
- Develops skills with powers, integers & rational numbers
- Maintains skills in reading, writing, and naming numbers in different ways
- Maintains addition, subtraction, multiplication & division of fractions
- Translates and solves word problem situations to expressions & equations
- Applies the properties of numbers and operations
- Uses factorization in finding Least Common Multiple and Greatest Common Factor
- Continues to discover various patterns in the study of mathematics
- Understands and uses ratios and proportion in “real-life” situations
- Interprets and applies percents in various settings
- Measures and makes estimates in various contexts using appropriate units
- Relates length, area & volume in common geometric figures
- Converts units within one and multiple systems
- Measures angle, area, and volume
- Uses expressions and equations to describe general patterns both verbally and in writing
- Develops the ability to solve simple equations and interpret the solutions
- Learns to evaluate, solve, and apply formulas
- Utilizes various techniques of graphing both in one and two dimensions
- Interprets functions and their graphs
- Performs operations with algebraic expressions
- Relates simple geometric figures and patterns of relationships in two and three dimensions
- Applies the concepts of symmetry, transformation, congruence, similarity, and size change
- Uses deductive reasoning to relate to properties of common geometric figures
- Continues to develop the methods of data collection and analysis, including tables, charts, and comparisons
- Strengthens ability to estimate, compute, and apply probabilities from experiments or from data
- Interprets and constructs tables, graphs, and charts
- Utilizes estimation and rounding to predict outcomes and to judge reasonable results
- Applies problem solving techniques in solving various real-life problems

SOCIAL STUDIES

United States History (Pre Columbian – Westward Expansion)

The First Americans (*Prehistory to A.D. 1500*)

European Exploration of the Americas (*1000-1800*)

English Colonization of North America (*1500-1760*)

Developing American Ways of life (*1630- 1770*)

Moving Toward Revolution (*1750-1775*)

The American Revolution (*1775-1783*)

SIXTH GRADE LEVEL OBJECTIVES PRIMARY EDITION

SOCIAL STUDIES (*cont'd...*)

United States History (Pre Columbian – Westward Expansion)

Experimenting with Self- Government (1776-1786)

Creating a Federal Government (1787-1791)

The New Republic on Trial (1788-1800)

The Age of Jefferson (1800-1815)

A Nation Emerges (1785-1840)

The Age of Jackson (1824-1840)

An Age of Reform (1800-1860)

An Age of Expansion (1818-1860)

The Growing Crisis (1848-1861)

The Civil War (1861-1865)

The Agony of Reconstruction (1865-1900)

SCIENCE

Life Science

- Knows that organisms within Earth's biosphere interact with each other and the environment
- Know that organisms have different characteristics
- Knows that organisms can be classified according to their structure and function
- Understands that organisms are separated into kingdoms according to their cell structure and how they get food and reproduce
- Use dichotomous key to identify organisms
- Knows examples of organisms that cannot be neatly classified as either plants or animals, such as fungi, protists, and bacteria

Earth Science

- Knows the composition of Earth's layers
- Understands that earth's crust is made up of moving plates
- Knows that evidence of continental drift is derived from fit of the continents, the distribution of fossils, and seafloor spreading
- Knows the theory of plate tectonics explains earth's features
- Knows the causes and effects of earthquakes and volcanoes
- Makes and observes convection currents in the water

Physical Science

- Knows that matter has properties such as mass and volume that can be measured
- Knows how to calculate the density of a substance given its mass and volume
- Knows how to investigate and classify the properties of matter as either physical or chemical
- Understands the characteristics of the four states of matter
- Knows that a change of state may occur when a substance gains or losses heat
- Understand the difference between physical and chemical changes

Space and Technology

- Understands that the sun provides earth with heat and light needed to sustain life
- Explains how regular motions of the moon causes moon phases
- Understands how earth's tilt on its axis and its rotation cause changes on earth
- Understand how earth's orbit causes seasons
- Know the effects of solar and lunar eclipses
- Construct a spectroscope and then observe, describe, compare and contrast spectra

TECHNOLOGY

Computer Operations

- Practices responsible use of technology systems information & software
- Understands the legal, ethical, cultural & societal issues related to technology
- Demonstrates a sound understanding of the nature and operation of technology systems (*Windows/Macintosh*)
- Defines and uses proper technology vocabulary
- Access network services in order to retrieve access & save data
- Understands the copyright laws regarding software

SIXTH GRADE LEVEL OBJECTIVES PRIMARY EDITION

TECHNOLOGY (cont'd...)

Word Processing Skills

- Uses features within a word processing document: spell check, thesaurus, copy, cut, paste, fonts, size, style, tabs, and margins
- Uses page formatting techniques (*tabs, headers, footers, margins...*)
- Manipulates graphics in word processing documents
- Integrates the drawing components within a word processing document

Graphics

- Creates documents using the concept of desktop publishing
- Uses draw and paint layer tools and features to enhance graphics
- Access graphics from a variety of sources (*web, CD ROM, hard drive...*)

Keyboarding

- Applies “home row” concepts at all times
- Uses correct keyboarding skills while increasing speed & maintaining accuracy

Spreadsheet

- Creates and uses a spreadsheet to process data & report results

Database

- Uses information to create a database
- Manipulates information to analyze data within a database

Multimedia/Hypermedia

- Accesses and browses the World Wide Web for information, under staff supervision
- Develops a multimedia presentation

PHYSICAL EDUCATION

- Increases in strength, endurance, power, flexibility, agility, and speed through participation in the *Fitness Program*.
- Finds enjoyment and social interactions through co-ed participation
- Displays proper sportsmanship and develops good teamwork
- Develops an awareness of the body’s capabilities and each individual’s performance level
- Continues skill development in individual activities
- Continues skill development in team activities

ART

- Produces, interprets, and identifies the use of line, shape, color, texture, value & space in selected art work.
- Develops oral and written critiquing skills
- Recognizes the unique characteristics of the elements and principles of art through viewing and producing works of art
- Understands the characteristics of a variety of basic art materials and techniques through producing an assortment of original art work
- Develops individual visual expression skills through the study and production of a variety of original two and three dimensional art works
- Develops a working vocabulary of art materials, techniques, and processes
- Demonstrates knowledge of selected media tools
- Gains an understanding of the art work of other cultures & societies throughout history

The grade level objectives listed in this brochure represent the course of study for this grade and provide a general focus for the instructional program in your child’s grade. The purpose of this grade level brochure is to provide parents with an overview of the content objectives that represent the school’s core curricular programs for each grade level. Most students are expected to demonstrate proficiency of these objectives by the end of the school year. We believe that when the school and home form a partnership, our children will have the best opportunity to learn and succeed in school. We encourage parents to familiarize themselves with these objectives. If you have questions about your child’s program, please contact your child’s teacher or principal for more information.