

### Social Studies

- Use the five major concepts of place, location, human interaction, movement, and regions to study the world
- Locate the continents of Africa, Asia, and Europe
- Use a map to locate the countries on each of the continents
- Interpret geographic information from a graph or a chart
- Give examples of products that are traded among nations and examples of trade
- Describe the different economic systems
- Compare the standards of living of various countries
- Describe the climate, economy, natural resources, and major physical features of each continent
- Identify when and how countries became independent
- Describe the major ethnic and religious groups of each country
- Compare structure and forms of government
- Describe the political and social status of women
- Use the interactive e-book and technology tools to enhance and reinforce social studies content

### English Language Arts

#### *Reading and Literature*

- Analyze the characteristics of genres
- Identify and analyze themes, structure and elements of: Fiction, Nonfiction, Poetry, Myth, Traditional Narrative, Classical Literature, and Dramatic Literature
- Demonstrate an understanding of imagery, figurative language, tone, rhythm, and flow in Literature
- Determine the meaning of words and phrases as they are used in a text, including figurative and connotative meanings
- Cite textual evidence to support analysis of what the text says as well as inferences drawn from the text
- Describe how a story's plot or drama's plot unfolds in a series of episodes, as well as how the characters respond as the plot moves toward resolution
- Explain how the author develops the point of view of the narrator or speaker in a text

#### *Language*

- Demonstrate understanding of the conventions of standard English grammar and usage
- Identify the eight basic parts of speech and their components (noun, pronoun, verb, adverb, adjective, conjunction, interjection and preposition)
- Identify and use correct mechanics (end punctuation, apostrophes, quotation marks, comma uses, and paragraphs)
- Identify and use correct sentence structure
- Write compound and complex sentences

### Composition

- Write with a clear focus, coherent organization, and sufficient detail
- Write arguments to support claims with clear reasons, organized credible evidence, and a concluding statement
- Develop topics with relevant facts, definitions, concrete details, quotations, or other information
- Demonstrate improvement in organization, content, paragraph development, level of detail, style, tone, and word choice in their compositions
- Use narrative techniques to write: eyewitness account, business letter, summary, book review, persuasive essay, descriptive essay, and a research report

### Mathematics

STEM (Science, Technology, Engineering and Math)  
Inquiry-based learning practices integrated throughout the curriculum to engage students in all areas of Math

#### *I. Ratios and Proportional Relationships*

- Understand the concept of ratio
- Use ratio language to describe a ratio relationship between two quantities
- Use ratio reasoning to convert measurement units
- Simplify ratios
- Understand and solve unit rate problems
- Find percent of a quantity as a rate per 100

#### *II. The Number System*

- Find the GCF of two whole numbers less than or equal to 100
- Find the LCM of two whole numbers less than or equal to 12
- Use distributive property to express a sum of two whole numbers 1-100 using GCF
- Apply the GCF and LCM in computations and problem solving with fractions
- Fluently divide multi-digit numbers using the standard algorithm
- Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm
- Compute and interpret quotients of fractions by fractions
- Understand that positive and negative numbers are used together to describe quantities having opposite directions or values

### *II. The Number System*

- Understand a rational number as a point on a number line
- Understand ordering and absolute value of rational numbers
- Interpret statements of inequality as statements about the relative position of two numbers on a number line
- Solve real-world and mathematical problems by graphing points using ordered pairs in all four quadrants of a coordinate plane

#### *III. Expressions and Equations*

- Write and evaluate numerical expressions involving whole number exponents
- Analyze quantitative relationships between dependent and independent variables
- Write, read, and evaluate expressions in which letters stand for numbers
- Understand and solve one variable equations and inequalities
- Apply properties of operations to generate equivalent expressions
- Identify parts of an expression
- Identify when two expressions are equivalent

#### *IV. Geometry*

- Find circumference and area of a circle
- Find the volume of a rectangular prism by using unit cubes and applying formulas
- Calculate the area of triangles, quadrilaterals, and polygons by composing and decomposing shapes
- Draw polygons in the coordinate plane given coordinates for vertices
- Solve real-world problems involving area, surface area, and volume
- Represent three-dimensional figures using nets made up of rectangles and triangles and find the surface area

#### *V. Statistics and Probability*

- Recognize that a measure of center for a numerical data set summarizes all of its values with a single number
- Recognize that a measure of variation describes how its values vary with a single number
- Develop understanding of statistical variability
- Display numerical data in plots on a number line, including dot plots, histograms, and box plots
- Read and interpret circle graphs
- Summarize numerical data sets in relation to their context

### Science

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Inquiry-based learning practices integrated throughout the curriculum to engage students in all areas of Science

#### *Science, Engineering, and Technology*

- Identify types of science and their purpose
- Convert metric units within scientific data
- Differentiate between various scientific tools
- Explore and evaluate a case study

#### *Life Science*

- Identify characteristics of living things
- Characterize cells, their makeup and function
- Understand inheritance, traits, and adaptations
- Identify different plant characteristics
- Explore plant reproductions and processes
- Categorize animals as vertebrates and invertebrates
- Describe ecosystems and the relationships of organisms within them
- Evaluate how matter and energy move through ecosystems

#### *Earth Science*

- Recognize the importance of various types of maps
- Categorize Earth's many surfaces
- Understand how Earth's surface is shaped and continues to change
- Identify the different Earth systems and describe their interactions
- Describe the Solar System along with the stars, galaxies, and universe
- Explain the sun-earth-moon systems
- Compare various energy resources

#### *Physical Science*

- Compare substances and mixtures
- Understand structures of atoms
- Describe matter and its properties
- Evaluate changes in matter
- Distinguish various forms of energy
- Compare light and sound waves
- Understand electric charges and electric forces
- Evaluate electric currents and electric circuits

### Spanish

- Explain why the United States is included in the Spanish speaking world
- Identify the Spanish speaking community in Miami, Florida
- Talk about activities common to young people everywhere
- Identify and report one's origin
- State likes and dislikes
- Use subject pronouns
- Apply formal and familiar language appropriately
- Use the verb ser in declarative and interrogative sentences
- Use the verb gustar with an infinitive in declarative and interrogative sentences
- Ask and answer questions using the verbs ser and gustar
- Respond appropriately to audio cues
- Compare and contrast people and/or places using integrated sources
- Design a personal mural reflecting one's own culture
- Celebrate selected holidays

### Art

- Learn about various artists and create their own artwork using watercolor paints, oil pastels, and colored pencils
- Explore how to use these materials to blend and layer color and learn how to use primary colors to create secondary and tertiary colors
- Practice drawing from observation, memory, and imagination using a variety of materials
- Incorporate religion and learn how it plays a role in art
- Learn about stop-animation and create their own thaumatrops toys in order to understand the theory of Persistence of Vision

### Music

- Sing, alone and with others, a varied repertoire of music liturgical and non-liturgical
- Perform on instruments, alone and with others, a varied repertoire of music liturgical and non-liturgical
- Improve melodies, variations, and accompaniments music liturgical and non-liturgical
- Compose and arrange music within specified guidelines for both liturgical and non-liturgical music
- Read and notate music
- Listen to, analyze, and describe music both liturgical and non-liturgical
- Evaluate music and music performances, both liturgical and non-liturgical
- Understand relationships between music, the other arts, and disciplines outside the arts, in the secular and non-secular world
- Understand music in relation to history and culture
- Understand music in the history of the Catholic Church and music's role in worship

### Physical Education

- Demonstrate an understanding of movement concepts, strategies, and tactics as they apply to the learning and performance of physical activities
- Achieve and maintain a healthy enhancing level of physical fitness
- Exhibit responsible personal and social behavior that reflects self and others in physical activity settings
- Value physical activity for health, enjoyment, challenge, self-expression or social interaction
- Apply and demonstrate critical and creative thinking skills in dance
- Make connection between dance and other disciplines

### Library

- Recognize and use proper library etiquette
- Understand and demonstrate proper care of books
- Listen attentively
- Follow directions
- Participate in story discussion
- Demonstrate and utilize knowledge of the Dewey Decimal System and Card Catalog
- In addition to library skills, time is spent reading seasonal, holiday and life lesson stories
- Work with teachers to incorporate specific books/stories into the library curriculum
- Collaborate with the computer teacher, using iPads and computers as tools, to create projects that complement a book

### Technology

- Create research report using Internet search engines to find appropriate websites for information
- Identify proper format and quotations for Bibliographies
- Learn to use an Excel spreadsheet to compile survey information and to create visual graphs
- Use Intermediate PowerPoint skills to create a presentation using Social Studies or Science topic – compile research, compose slides, using animation and transition
- Create animation projects using Frames program to create storyboards and cartoons
- Compose letters using business letter and friendly letter formats in Microsoft Word
- Continue to develop advanced typing skills using Type to Learn lessons

### Religion

#### Revelation

- Come to know what God is like through scripture and tradition

#### Trinity

- God invites all human on a journey of faith

#### Jesus Christ

- Learn that God chose leaders for his people during Old Testament times, who were anointed as priests, prophets, and kings

#### The Church

- Learn that Jesus founded the Church and built it on Peter and the Apostles
- The Church's mission and work is rooted in the Gospel

#### Morality

- Learn that Catholic Morality is based on the Great Commandment

#### Sacraments

- Learn that the mission of the Church is to proclaim the Gospel in word and deed

#### The Kingdom of God

- Learn that when we celebrate the Eucharist, we are connected through the communion of saints to the living Christian faithful and those who have died in Christ

- Prayer Services
  - Opening Day
  - Saints
  - Advent
  - Catholic Schools Week
  - Lent

- School Liturgies
- Reconciliation
- Adoration
- Crowning of Mary

# STANISLAUS SCHOOL

## Welcome to Grade 6



This brochure is to provide a brief overview of our Grade 6 curriculum.

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New England Association of Schools & Colleges