Social Studies

- Study the origins of human beings in Africa and the early civilizations that flourished in the Mediterranean area
- Study the religions, governments, trade, philosophies, and art of these civilizations
- Study the powerful ideas that arose in the ancient world and profoundly shaped the course of world history such as:

- monotheism
- democracy
- the rule of law
- individual worth
- personal responsibility
- the alphabetic principle for a writing system
- scientific reasoning

History and Geography

- Compare information from historical and modern maps of the same region
- Understand and use words and abbreviations for identifying time periods and dates
- Construct and interpret timelines of events and civilizations studied
- Distinguish between primary and secondary sources, and describe how each source is used in interpreting history
- Identify multiple causes and effects when explaining historical events
- Describe ways of interpreting archaeological evidence from societies leaving no written records

Civics and Government

- Define and correctly use words and terms relating to government

Economics

- Define and apply economic concepts

English Language Arts

Language

- Identify and properly use all parts of speech
- Learn and correctly use punctuation, capitalization, and abbreviations
- Identify and use various phrases and clauses
- Diagram sentences to identify parts of speech and parts of a sentence
- Become adept at using various sentence types: simple, compound, complex, and compound-complex
- Learn the meaning of various prefixes, suffixes, and Greek and Latin roots
- Use context clues, glossaries, and dictionaries to understand vocabulary
- Expand the use of this vocabulary in speaking and writing

Composition

- Write coherent compositions with clear focus and supporting ideas
- Learn organization through such tools as outlining, note-taking, and graphic organizers
- Use knowledge learned in language classes to edit writing samples
- Learn proper methods of creating a bibliography
- Summarize and present information found from research
- Write friendly and business letters, showing the proper conventions of each
- Use a rubric with prescribed criteria to evaluate compositions, recitations, or performances

Literature

- Experience the genres of non-fiction, fiction, drama, poetry, and the novel
- Identify the characteristics of such genres
- Learn the concepts of theme and the elements of plot, characterization, conflict, climax, and resolution
- Learn the concepts of sound in poetry—alliteration, onomatopoeia, and rhyme scheme
- Use both explicit and suggested information from the text to support its main ideas
- Analyze dialects, slang, and jargon and identify their use and impact
- Identify how the short story reflects an author's personal history, attitude, and beliefs
- Identify how stories reflect the ideas, customs, and beliefs of the people living in certain historical periods

Vocabulary

- Expand vocabulary in speech in writing
- Learn the meanings of various prefixes, suffixes, and Greek and Latin roots
- Become familiar with and use dictionaries, glossaries, and thesauruses to understand words more precisely
- Interpret figures of speech such as puns and idioms

Reading

- Support textured analysis with evidence of explicit and implicit inferences
- Determine central ideas in a text and analyze their development
- Analyze interaction between ideas, events, and individuals in a text
- Determine word meaning and analyze impact on meaning and tone
- Analyze author's organization of text and the contribution of major section to the whole
- Determine author's point of view or purpose and analyze the author's position from that of others
- Compare and contrast text to other media, analyzing portrayal of subject and impact
- Trace and evaluate specific claims in a text to determine sound reasoning and supported conclusions
- Analyze multiple authors' works on the same topic to determine different evidence or interpretations

Mathematics

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

The Number System

- Understanding and operating with integers
- The number line – including walking the number line in the classroom
- Converting and comparing fractions and decimals
- Order of operations
- Using logical reasoning
- Rational and irrational numbers
- Identify a variable which represents the unknown
- Translate an English sentence to an algebraic equation
- Solve inequalities and graph the set of solutions
- Mathematical properties of addition, subtraction, multiplication and division (Properties Project is completed early in the school year and students will use the information all year long.)
- Problem solving using real-life applications

Expressions and Equations

- Solve and analyze linear equations and inequalities
- Manipulate equations to be expressed in alternative formats
- Use variables to represent unknown quantities
- Use algebra to solve problems involving real-life scenarios
- Graph equations and interpret results

Ratio and Proportion

- Understand and identify proportional relationships
- Understand a percentage as a proportional relationship
- Calculate simple and compound interest
- Estimate percentages in a variety of scenarios, including estimation jars
- Find percent of change
- Identify unit rates in real life contexts

Geometry

- Construct angles, identify interior and exterior angles, as well as complementary and supplementary angles
- Identify and construct scale drawings and models using real life contexts
- Identify polygons using congruence and similarity
- Introduce the Pythagorean Theorem
- Calculate circumference and area of circles
- Calculate surface area and volume of 3D figures
- Solve real-life problems involving angle measure, area, and volume
- Identify shapes formed by slicing 3 dimensional figures
- Build and explore 3D models using clay, play-dough or paper models

Statistics and Probability

- Use random sampling to draw inferences about a population
- Apply measures of central variability (mean, median, mode) to compare
- Collect and compare data
- Create and evaluate dot plots to graph and compare data
- Understand probability as the likelihood of an even occurring which is a number between 0 and 1
- Develop probability models and apply them to various populations and scenarios
- Organize data using tables, lists, tree diagrams, etc.
- Differentiate between simple and compound events
- Use dice, coins, spinners, etc. to create various probability scenarios in the classroom

Science

STEM (Science, Technology, Engineering and Math)
Inquiry-based learning practices integrated throughout the curriculum to engage students in all areas of Science in accordance with middle school Next Generation Science Standards

Scientific Method

- Provide a basis for scientific inquiry

From Molecules to Organisms: Structure and Process

Characteristics of Life and the Microscope

- Understand the activities of all living things
- Use the microscope to identify living vs. non-living

Classification of Living Things

- Understand what places organisms have in the hierarchy of living things

Structure and Function of Living Cells

- Understand all living things are composed of cells
- Understand the structure of the cell and view cell organelles, structure and function as relates to the cell
- Focus on cell transport as a mechanism for survival

Photosynthesis and Cell Respiration

- Look at the interaction and cycles of these life processes

Heredity: Inheritance and Variation Traits

Genetics

- Explore, chromosomes, genes and the passing on of genetic information
- Learn that all livings things pass on characteristics from one generation to the next

Ecosystems

- Understand interactions, energy, and dynamics among organisms across multiple ecosystems

Science/Techno Fair

- All 7th grade students will prepare and participate in the city-wide competition

Science Cont.: Earth's Place in the Universe

- Develop and use models of the solar system to understand cyclical patterns, seasons, lunar phases, and motion within our galaxy

Matter and Its Interactions

- Learn composition of molecules and periodic table

Spanish

- Review and master concepts from Grades 5 and 6
- Identify the Spanish speaking community in San Antonio, Texas
- Give examples of Mexico's influence in the American culture
- Describe self and others
- Identify people and things
- Extend the use of the verb ser to include characteristics
- Differentiate gender and number using nouns
- Match definite and indefinite articles to nouns
- Apply the rules of gender and number to adjectives
- Produce sentences that contain correct adjective-noun placement
- Identify Latin-American and Tex-Mex foods
- Explain the tradition of cascarones
- Respond appropriately to audio cues
- Compare and contrast people and/or places using integrated sources
- Celebrate selected holidays

Art

- Learn and explore about various artists and their techniques
- Use appropriate vocabulary related to the methods, materials, and techniques learned in grades PreK -6
- Create 2D and 3D artwork from direct observation in order to develop skills of perception, coordination, and memory of detail
- Use a variety of materials such as watercolor paints, colored pencils, and oil pastels in order to create their work
- Continue to learn about color theory and practice using this knowledge to enhance their art
- Incorporate religion and learn how it plays a role in art

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

Music

- Sing, alone and with others, a varied repertoire of liturgical and non-liturgical music
- Perform on instruments, alone and with others, a varied repertoire of liturgical and non-liturgical music
- Improvise melodies, variations, and accompaniments to liturgical and non-liturgical music
- 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 musical 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

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

- Use intermediate PowerPoint skills to create a slideshow using backgrounds, animations, clipart, sounds for Advent Friends
- Create digital stories using iMovie program to create digital movies about research topics, using storyboards, timeline, and credits
- Use intermediate Excel skills to create spreadsheets using full range of formulas including AutoSum and average and to create graphs from information using chart wizard
- Insert video and sound recording to enhance presentations
- Use Internet research skills to complete Scavenger Hunt handouts
- Create animated gifs using Frames program, which builds on skills and creativity
- Use Web2.0 tools for engaging and displaying student work, and working collaboratively with the global community
- Learn Digital Citizenship and practice Internet Safety
- Continue to advanced typing skills by completing lessons in Type to Learn

Religion

Jesus - Part I

- Discover how Jesus Christ, as a teacher, healer, prophet, and Savior, continues to inspire our lives
- Learn about God's Word using Scripture
- Learn how to accept and share the Gospel message and the Paschal Mystery
- Learn how to nurture a vital and ever-present prayer life

Sacraments - Part II

- Explore how the church celebrates the seven sacraments, and how we experience the effects of the sacraments in our daily life
- Understand Rituals & Rites
- Learn how Baptism, Eucharist, and Confirmation are the sacraments of Christian Initiation
- Understand the Sacraments of Healing
- Understand the Sacraments of Service

ST STANISLAUS SCHOOL

Welcome to Grade 7

Through Faith and Knowledge
Peace

This brochure is to provide a brief overview of our Grade 7 curriculum.

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