

Social Studies

- Use the five major concepts of place, location, human interaction, movement, and region to study North America
- Use map skills to determine absolute location, elevation, mileage, map parts, and meaning of specialty maps
- Interpret a map using information from its title, compass rose, scale, and legend
- Locate North America and bodies of water on a world map
- Identify and describe the regions of the United States, the cultural differences, European influences, and the climate, economy, natural resources, and major physical features in each region
- Identify the states, capitals, and major cities of the United States
- Identify and describe the unique features of the United States
- Discuss the differences between limited and unlimited resources and the relation to the economy and environment
- Describe some of the contributions of immigrant, European, native tribes, Spanish-speaking, and African-American people to the diverse nature of American culture
- Locate Canada and Mexico and describe their boundaries

English Language Arts

Reading

- Use oral language to give presentation, to persuade, to explain, to seek information and to participate in discussions
- Acquire and use grade appropriate and domain specific vocabulary applying knowledge of prefixes, suffixes, roots, idioms, multiple meanings, context clues, and nuances of meaning
- Identify and use correct grammar usage, parts of speech, conventions, spelling, punctuation, capitalization, and mechanics when writing
- Use main ideas, supporting details, fact and opinion, cause and effect, fiction and non-fiction, and sensory details to interpret and produce writing
- Distinguish among the different genres of writings
- Use knowledge of theme, setting, characterization, and plot to support evidence in reading and writing fiction
- Identify text structure, common graphics, author's purpose, and organizational structure in analyzing nonfiction in diverse media
- Identify and use theme, structure, and elements of poetry such as rhyme, repetition, simile, metaphors, and sensory images
- Identify and analyze author's style
- Identify theme, structure, characterization, and elements of drama
- Explain events, ideas, and concepts based on information in the text, cite examples, and use text structure to support meaning

Composition

- Focus on organizing and supporting details in imaginative, literary, and informational expository writing using an introductory beginning, a cohesive body, and conclusion
- Produce clear and coherent writing appropriate to task writing and purpose
- Use technology as needed to plan, organize, and research information
- Improve level of detail, word choice, style, sequence, tone, and paragraph development
- Write narratives with dialogue, description, and characters
- Write information reports on a topic to convey ideas clearly with details and domain specific words
- Strive for a personal standard of excellence in writing and in quality of presentation
- Write routinely over extended time periods a range of discipline-specific tasks for varied purposes and audiences

Mathematics

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

Number and Operations in Base Ten

- Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right
- Read and write multi-digit whole numbers in a variety of forms
- Compare two multi-digit numbers based on meanings of the digits in each place
- Use place value understanding to round multi-digit whole numbers
- Fluently add and subtract multi-digit whole numbers using the standard algorithm
- Multiply a whole number of up to four digits by a one-digit whole number
- Multiply two digit numbers by two digit numbers
- Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors

Operations and Algebraic Thinking

- Understand that multiplication is commutative and related to division
- Multiply or divide to solve word problems
- Solve multistep word problems using the four operations along with writing equations for solving
- Solve division word problems and interpret the remainders
- Find factors and multiples of numbers and determine prime or composite
- Generate and identify patterns involving shapes and numbers

Decimal and Fractions

- Understand fractions and explain equivalent fractions
- Compare two fractions using common denominators and $>$, $<$, or $=$
- Understand addition and subtraction of fractions
- Decompose a fraction into a sum of fractions with same denominator
- Add and subtract mixed numbers with like denominators
- Solve word problems involving addition and subtraction of fractions with like denominators
- Multiply a fraction by a whole number and solve word problems with this skill
- Express fractions with denominators of 10 or 100
- Write fractions with denominators of 10 or 100 as decimals
- Compare decimals to the hundredths place

Geometry

- Draw, identify, and name points, lines, line segments, rays, angles, perpendicular lines and parallel lines
- Classify triangles, angles, and quadrilaterals
- Recognize symmetry

Measurement and Data

- Explore and understand relative sizes of length, area, weight, capacity, mass and volume within a system
- Solve word problems involving measurements, money and intervals of time
- Calculate area and perimeter of rectangles
- Understand and create line plots including measurements involving fractions
- Recognize angle measurement in relationship to a circle
- Understand angle measurement and measure angles using a protractor
- Find unknown angles by adding and subtracting angle measurements
- Collect and organize data by using charts, tables and surveys
- Introduce range, mode, median, and mean
- Draw and construct bar graphs, pictographs, line plots, line graphs, stem and leaf plots, and tallies

Science

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

- Explain events, ideas, and concepts based on information in text, cite resources, and use text structure to establish meaning in all science topics

Nature of Science

- Discuss how scientists ask and answer questions
- Learn scientific investigation
- Collect and interpret data to form a conclusion

Science, Engineering, & Technology

- Discover the meaning of technology
- Practice the design process

Life Science

- Classify plants and animals
- Identify structures in plants responsible for food production and reproduction
- Recognize how adaptations and inherited characteristics help plants and animals
- Describe organisms and their interactions within an ecosystem
- Develop an understanding of the importance of fossils

Earth Science

- Name and identify physical properties of minerals and rocks
- Explain weathering and erosion
- Analyze rapid changes on Earth
- Identify Earth's water sources and explain the water cycle
- Understand the movement of the Earth, stars, and moon within the solar system

Physical Science

- Categorize properties of matter and explain changes
- Compare mixtures and solutions
- Identify basic forms of energy: light, sound, heat, electrical
- Relate motion and speed

Art

- Learn and explore how to classify 2D and 3D artworks in general categories such as painting, collage, textiles, photography, pottery, weaving, abstraction, and sculpture
- Learn and explore how to add pattern and symmetry to their artwork and begin learning the basics of perspective drawing
- Practice working with watercolor paints, oil pastels, clay, and colored pencils
- Learn how religion plays a role in art
- Incorporate the elements and principles learned into their artworks as they advance to the next grade level.

Music

- Sing alone and with others a varied repertoire of music both liturgical and non-liturgical
- Perform on instruments, alone and with others, a varied repertoire with music class and worship
- Improvise melodies, variation, and accompaniments with music both liturgical and non-liturgical
- Compose and arrange music with specified guidelines with music both liturgical and non-liturgical
- Read and notate music
- Listen to, analyze, and describe music 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

Physical Education

- Demonstrate understanding of movement concepts, strategies, and tactics as they apply to the learning and performance of physical activities
- Achieve and maintains a healthy, enhancing level of physical fitness
- Exhibit responsible personal and social behavior that reflects self and others in physical activity settings
- Learn to 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
- Identify parts of a book
- Distinguish between authors and illustrators
- Recall story sequence
- Participate in story discussion
- Grasp the difference between fiction vs. nonfiction
- Differentiate between biography and autobiography
- Introduce the Dewey Decimal System and the card catalog
- In addition to library skills, time is spent reading seasonal, holiday and life lesson stories
- Work with teachers, specific books/stories to incorporate into the library curriculum

Technology

- Use of Microsoft Word software to type, edit, and print documents
- Learn to use formatting features of Microsoft Word such as text boxes, Word Art, changing font size, font, color and clipart
- Learn to type paragraphs with indentations and punctuations and proper use of Spell Check and thesaurus
- Online research project using Plymouth Plantation website, Scholastic, Facts4Me, Discovery Education, NASA
- Iditarod project – online collaborative project using Internet research, online interactive elevation map, video streaming, real-time data
- Discovery Streaming to research and to develop digital storytelling skills using PhotoStory software
- Compose digital posters using Microsoft Word to display knowledge learned
- Continue Type to Learn lessons – increase typing skills

Religion

Growing in Jesus

- Recognize that Jesus is the Way, the Truth, and the Life
- Understand that Jesus leads us to happiness
- Realize that sin is in our world
- Understand our conscience
- Review Penance and Reconciliation

The Commandments Help Us Love God

- Learn about God's law
- Study the first commandment
- Discover ways to live out the second commandment
- Identify ways to follow the third commandment
- Learn to be strengthened by the Eucharist

The Commandments Help Us to Love Others

- Live out the fourth commandment
- Understand the fifth commandment
- Study the sixth commandment
- Discover ways to live out the seventh commandment
- Discuss ways to follow the eighth commandment

We Are Called to Holiness

- Recognize the importance of the ninth commandment
- Live out the tenth commandment
- Appreciate that we can grow in holiness
- Recognize that we are the Church and are called to discipleship

Steps to Respect

- Understand what it means to have empathy for others
- Practice impulse control and problem solving
- Learn techniques for anger management

Seeds Program

- Discuss the sharing and keeping of secrets
- Identify trusted adults

STANISLAUS SCHOOL

Welcome to Grade 4



This brochure is to provide a brief overview of our Grade 4 curriculum.

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