

Fifth Grade

Religion

Students will :

- Describe sacraments as God's life-giving grace and identify ways people can respond to God's grace
- Analyze how a living person will apply sacramental commitment to everyday life
- Identify that the Eucharist is central to Catholic life and observe the Real Presence of Christ in the Eucharist
- Explain how the Apostles' Creed states the basic beliefs of Catholics
- Apply the scripture texts and the Church's teachings in relationship to the sacraments and their institution by Christ
- Identify how God reveals himself through the scriptures
- Describe the celebration of the seven sacraments and identify the sacraments in terms of Initiation, Healing, and Service
- Identify and express positive feelings about the Church's teachings on peace and justice and respect life issues

Language Arts

Goals :

- Learn to communicate through writing and speaking.
- Read using a variety of critical thinking skills.
- Read grade level instructional text
- Develop and apply grade level instructional vocabulary

Students will :

- Explain idioms and colloquialism
- Identify predicate nominatives, direct objects, infinitive phrases, prepositional phrases, complex adjectives, and interjections
- Write using complex punctuation rules, including the colon
- Write and perform a play
- Write similes and metaphors and personification
- Insert stress marks in words

Math

Students will :

- *Place Value*

- Use place value through hundred billions
- Round number through hundred billions
- Use decimal place value through thousandths
- Compare, round, and order decimals
- Locate and compare integers on a number line
- *Addition and Subtraction*
 - Add and subtract decimals through hundred thousandths
 - Write and solve 1-step addition and subtraction equations
- *Algebraic Concepts*
 - Simplify, write, and evaluate algebraic expressions involving addition and subtraction
- *Multiplication*
 - Model and apply the distributive property to multiplication of whole numbers
 - Use mental math to multiply multiples of 10, 100, and 1000
 - Estimate products using decimals and whole numbers up to 100,000
- *Division*
 - Divide through 5-digit dividends and 2-digit divisors
 - Divide money amounts by a 1-digit divisor
 - Find the mean of a group of numbers
 - Simplify, write, and evaluate expressions involving multiplication and division
 - Extend solving 1-step equations
- *Measurement*
 - Measure lengths to a fraction of an inch
 - Add or subtract units of time
 - Find circumference of a circle
- *Integers*
 - Identify integers and absolute value
 - Add or subtract integers

- *Statistics, Graphs, and Probability*
 - Make and use stem-and-leaf plots, double bar graphs, and histograms
 - Make and use line plots, line graphs, and double line graphs
 - Choose appropriate graph to display data
 - Describe probability of events: equally likely, impossible event, certain
 - Apply probability using fractions

- *Number Theory and Fractions*
 - Identify prime and composite numbers
 - Write the prime factorization of numbers
 - Determine divisibility 2, 3, 4, 5, 9, and 10
 - Find GCF and LCM of two numbers
 - Find Equivalent fractions
 - Add and subtract fractions and mixed numbers

- *Multiplication with Fractions*
 - Model multiplication of fractions
 - Multiply fractions
 - Multiply fractions and mixed numbers

- *Division with Fractions*
 - Divide by a unit fraction
 - Divide by a counting number
 - Divide by a fraction
 - Divide with mixed numbers

- *Multiplication with Decimals*
 - Multiply whole numbers and decimals
 - Estimate products involving decimals
 - Multiply decimals
 - Multiply decimals by powers of ten

- *Division with Decimals*
 - Divide decimals by powers of ten
 - Divide decimals by whole numbers
 - Divide decimals by decimals

- *Geometry*
 - Classify figures and find angle measures
 - Extend identification of congruent figures
 - Construct and identify parts of a circle
 - Identify geometric constructions
 - Identify rotational and line symmetry

- *Ratios and Percents*
 - Read, write, and simplify ratios
 - Find equivalent ratios
 - Use rate to solve problems
 - Interpret scale drawings
 - Understand and write percents
 - Compare percents, decimals, and fractions and use for comparisons
 - Calculate a percent of a number

- *Coordinate Plane and Functions*
 - Identify transformations such as translations, reflections, and rotations
 - Locate and graph ordered pairs on a coordinate plane
 - Use coordinates to describe transformations
 - Relate functions and ordered pairs
 - Graph an equation on a coordinate plane

Science

Students will :

- *Life Science*

- Identify vascular and nonvascular plants
- Compare and contrast the characteristics of animals, fungi, protists, and bacteria from plants
- Describe the process of photosynthesis and respiration in plants
- Describe reproduction of seed plants
- Identify and describe plant behaviors and adaptations
- Describe the parts of various types of ecosystems
- Describe water, carbon, and nitrogen cycles
- Identify ecosystems and biomes
- *Earth Science*
 - Discuss how atmospheric changes and affects the weather
 - Describe how differences in air pressure on Earth's surface cause wind
 - Define wind and fronts
 - Explain how long-term weather patterns determine climates
 - Identify how landforms are created
 - Explore the types of minerals and their important uses
 - Identify composition and properties of rocks
 - Explain air and water pollution
 - Explain renewable and nonrenewable energy sources
- *Physical Science*
 - Classify matter based on the physical properties
 - Explore how matter is made up of elements and compounds
 - Identify examples of solutions, suspensions, emulsions, aerosols, and foams
 - Define mixtures
 - Recognize signs of chemical change/chemical reaction
 - Explore how chemical reactions can produce electrical energy
 - Define characteristics of sound
 - Infer that objects absorb all colors of light, except for their own color

- Describe the absorption of color by objects
- *The Human Body*
 - Describe the systems of the body that, absorb nutrients, and eliminate wastes
 - Identify why a healthful diet and proper exercise are important to maintain the health of the body

Social Studies

Students will :

- Identify that Americans are culturally different but are united in freedom and equality
- Compare and contrast the roles of federal, state, and local governments
- Identify the factors that affect temperature
- Analyze the differences of arid America and humid America
- Analyze the cultures of early Central and South Americans (Maya, Aztec, Anasazi, Inca)
- Analyze the Tlingit, Iroquois, and Sioux Native American cultures
- Compare and contrast the exchange of cultures through European explorers
- Describe the changes in the Americas as a result of Columbus
- Describe the result of Spanish conquistadors on Native Americans
- Compare and contrast the settlements of the English, French, and Dutch in North America
- Identify the explorers of the North Atlantic and sites they reached in search of the Northwest Passage
- Describe how the New England and Middle colonies were colonized
- Analyze the great variety of cultures, skills, and trades of New England and Middle colonies
- Identify why slavery was most common in Southern colonies
- Analyze the causes and conflicts between the English and French and the results of the French Indian War
- Analyze the events that led to the writing of the Declaration of Independence
- Compare the British and American armies
- Analyze the debate over ratifying the Constitution
- Describe the Bill of Rights
- Analyze the causes of the War of 1812
- Analyze the status of citizens' rights during Jackson's presidency

- Describe how the Industrial Revolution changed the way people lived and worked
- Explain how Texas joined the U.S.
- Identify major differences between the North and South in the 1850's
- Identify the leading abolitionists and describe their fight against slavery
- Compare and contrast the strengths of the North and South during the Civil War
- Analyze the effect of the Emancipation Proclamation on the North and South
- Explain how Reconstruction affected blacks and whites in the South
- Describe how the transcontinental railroad was built
- Describe the development of large corporations
- Describe the growth of labor unions
- Discuss how World War I strengthened the role of the U.S. as a world power
- Analyze how the 1929 stock market crash led to the Great Depression
- Describe how FDR worked to rebuild the U.S. economy
- Identify the causes of World War II
- Locate the battles of World War II
- Explain how the Cold War began and ended
- Identify the causes and effects of the Korean War
- Describe the growth and achievements of the civil rights movement
- Analyze the rise of Martin Luther King Jr. as a leader for civil rights
- Discuss the events of the Cuban missile crisis
- Analyze the causes and effects of the Vietnam War
- Describe the geography of Canada, Mexico, Central, and South America
- Identify map skills (longitude, latitude, climographs, political and time zone maps)
- Demonstrate the best and most economical supply routes while travelling

Library

Students will :

- Identify that the purpose of the Dewey Decimal System is to pull together materials on the same subject and literacy form

- Label and define the ten main classes of the Dewey Decimal System
- Distinguish that the ten main classes of the Dewey Decimal System can be divided and subdivided into more specific subjects
- Access and use the websites available for young learners through various Internet sites
- Begin to identify the different genre of literature
- Distinguish unique characteristics of various reference sources and collections
- Determine the reference source most appropriate for specific purposes
- Locate information using the index

Physical Education

Students will :

- Participate in vigorous activity for a sustained period of time – (run one mile)
- Meet the health-related fitness standards as defined by fitness test
- Perform forward rolls and backward rolls
- Demonstrate increased proficiency of basic skills in more advanced team sports
- Recognize that physical activity is good for persona well-being
- Follow rules of team sports/activities

Music

Students will :

- Identify changed/unchanged voices
- Sing music written in tow and three parts
- Perform on at least one instrument accurately and independently, alone and in small and large ensembles with good posture, playing position, breath control
- Play by ear simple melodies on melodic instrument and simple accompaniments on a harmonic instrument
- Improvise simple harmonic accompaniments
- Improvise melodic embellishments and simple rhythmic and melodic variations on given pentatonic melodies and melodies in major keys
- Compose short pieces demonstrating how elements of music are used to achieve unity and variety
- Read whole, half, quarter, eighth, sixteenth, and dotted notes and rests in 2/4, 3/4, 4/4, 6/8, 3/8, and 2/2 meter
- Identify and define standard notation symbols for pitch, rhythm, dynamics, tempo, articulation, and expression

- Use standard notation to record their musical ideas and the ideas of others
- Demonstrate knowledge of basic principles of meter, rhythm, tonality, intervals, chords, and harmonic progressions

Art

Students will :

- Execute better proportion and action
- Use repetition and rhythm
- Show depth through diminishing size
- Compare characteristics of artworks in various eras and cultures

Computer

Students will :

- Practice using keyboard with a speed of at least 10 words per minute
- Use spell-check, add graphics, and add alignments in Microsoft Word
- Use formatting, and use addition and subtraction formulas in Microsoft Excel
- Introduce the use of Microsoft Power Point
- Create slides, change backgrounds, and add text and pictures in Microsoft Power Point
- Use a larger variety of websites for Internet searches
- Introduce use of the Digital Locker feature of Gaggle – for moving files back and forth from school to home