

Saint Bartholomew School

Fifth Grade Curriculum Guide



Language Arts

Reading (Literature)

- Quote a text to demonstrate understanding
- Determine the theme of a text and how characters respond to challenges
- Create a summary of a story
- Compare two different characters or settings in a text
- Determine the meaning of words and phrases
- Locate examples of figurative language
- Describe how the narrator's point of view affects descriptions of characters, settings, etc.
- Analyze the effects of visuals on tone and meaning
- Compare the treatment of similar topics in different literary forms and genres
- Know and apply grade-level phonics and read with sufficient accuracy and fluency

Reading (Informational Text)

- Quote a text to demonstrate understanding
- Determine main ideas of a text
- Locate key details that support main ideas
- Create a summary
- Determine the meaning of words and phrases
- Analyze the interaction between two or more individuals, events, or ideas in historical or science texts
- Compare structure of events and information in multiple texts
- Determine an author's point of view and compare it to that of another author
- Find answers to questions using multiple sources
- Integrate information from multiple sources

Language

- Demonstrate command of English grammar
- Demonstrate command of the conventions of capitalization, punctuation, and spelling.
- Use knowledge of language and its conventions when writing, speaking, reading, or listening.
- Determine or clarify the meaning of unknown and multiple-meaning words or phrases
- Demonstrate understanding of figurative language, word relationships, and nuances.
- Acquire and use accurately grade-appropriate vocabulary.

Speaking & Listening

- Engage effectively in collaborative discussions with diverse partners
- Summarize information presented orally and in diverse media and formats
- Summarize the points made by a speaker and cite reasons and evidence presented orally
- Clearly present claims and findings, sequencing logically and supporting main ideas
- Speak clearly and at an understandable pace
- Adapt speech to a variety of contexts and tasks.
- Integrate multimedia and visual displays into presentations to clarify information

Writing

- Write opinion pieces that support a point of view with reasons and information.
- Write informative texts to examine a topic and convey information clearly
- Write narratives using effective technique, relevant descriptive details, and clear event sequences.
- Produce writing appropriate to task, purpose, and audience.
- Develop and strengthen writing as needed by planning, editing, and revising
- Use technology to produce and publish writing.
- Conduct short research projects, drawing on several sources to expand understanding of a topic
- Gather information from multiple sources and quote or paraphrase the data, avoiding plagiarism.
- Draw evidence from texts to support claims.

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Mathematics

Operations & Algebraic Thinking

- Evaluate expressions that use parentheses, brackets, or braces
- Write and interpret simple expressions that record calculations
- Analyze patterns and relationships
- Form and graph ordered pairs consisting of corresponding terms using given rules

Geometry

- Identify the parts of an ordered pair and the coordinate plane and how the two relate to one another
- Graph ordered pairs on the coordinate plane
- Solve real world problems by interpreting coordinate values of points on the coordinate plane
- Classify and compare the attributes of two-dimensional figures

Number & Operations in Base Ten

- Demonstrate understanding of place value
- Determine patterns when multiplying or dividing by a power of ten
- Round decimals to any place
- Perform arithmetic involving decimals
- Multiply and divide multi-digit whole numbers

Numbers & Operations - Fractions

- Use equivalent fractions as a strategy to add and subtract fractions
- Interpret fractions as division
- Solve word problems involving fractions
- Represent fractional problems as rectangular areas
- Solve problems involving division between whole numbers and unit fractions

Measurement and Data

- Convert different-sized standard measurements within a given system
- Solve real world, multi-step problems by converting measurements
- Make and interpret line plots
- Understand concepts of volume
- Relate volume to multiplication and addition

Mathematical Practices

- Make sense of problems
- Reason abstractly and quantitatively
- Critique the reasoning of others
- Model with mathematics
- Use tools strategically
- Use precision
- Look for and utilize structure
- Look for and express regularity

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Science

Scientific Practices

- Identify questions that can be answered through scientific investigations
- Design experiments with control groups & variables
- Create data tables and graphs
- Make careful observations and measurements
- Find patterns that support conclusions

Astronomy

- Explain the position of the moon relative to its phases
- Describe Earth's position relative to the sun during different seasons
- Explain gravity's role in a solar system
- Describe and model the planets of our solar system

Earth Science

- Explain the rock and water cycles
- Compare weather and erosion patterns
- Demonstrate cycles in chemical and physical changes in Earth's materials
- Describe non-renewable resources & how they're created
- Explain plate tectonics and how earth moves and changes over time
- Explain the impact of natural hazards and how humans measure and impact them

Physics

- Describe the parts of a wave
- Understand the properties of different kinds of waves (light, radio, etc.)
- Demonstrate the relationships between kinetic energy, mass, and speed
- Conduct experiments that show changes in states of matter and transference of energy
- Explore how forces interact with objects and each other

Biology

- Describe different kinds of cells and how they make up different kinds of organisms
- Describe how plants and animals reproduce
- Explain how energy is obtained and released by living organisms
- Explain how organisms respond to stimuli
- Understand how genetics pass on certain traits

Chemistry

- Describe and identify acids and bases
- Combine chemicals and observe changes
- Model and balance chemical reactions
- Describe the effects of specific chemical reactions
- Define different kinds of atomic bonds
- Model changes of states of matter

Ecosystems and Weather

- Explain how ecosystems and organisms depend on resources
- Define and describe biotic and abiotic factors
- Describe food chains and the food web and how energy is transferred between organisms
- Explain how changes to ecosystems affects populations
- Explain how different cycles (water, nitrogen, etc.) help maintain biodiversity
- Explain how human activity affects ecosystems
- Explain how air masses affect weather
- Identify causes of regional climates
- Identify how human activity affects the climate

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Social Studies

Economics

- Discuss how our free enterprise system helps determine what is made and who makes it
- Describe how the U.S. economy has change over our country's history
- Examine how scarce resources affect various economic decisions
- Identify factors that affect consumer choice
- Explain factors that affect productivity
- Define supply, demand, and competition
- Identify characteristics of an effective entrepreneur
- Define interdependence and discuss how it relates to world economies

Government

- Understand the importance of key documents that make up the U.S. government
- Identify and compare the powers of the three branches of government
- Describe the powers of federal, state, and local governments
- Identify important rights granted to citizens at the state and federal levels
- List ways that nations interact to avoid conflict (treaties, diplomacy, etc.)
- Examine the creation of the United Nations and the role of the United States as a global superpower

Geography & Human Migration

- Describe the resources, landforms, and geographic features of the United States
- Describe how human and nonhuman factors can change an environment
- Analyze the geography of the United States and how it affected Native American life and American colonization

Tools & Research

- Analyze sources and distinguish fact from fiction
- Examine artifacts to gather information about historical events
- Read and use cultural, historical, elevation, physical, and political maps
- Use a variety of map features

U.S. History

- Describe the cultures and lifestyles of various Native American groups
- Describe the discovery, founding, and development of the American colonies
- Identify the events leading up to and during the American Revolutionary War
- Describe the development and expansion of the United States between the Revolutionary War and Civil War
- Analyze the development of slavery in the United States and the events of the Civil War and Reconstruction
- Identify major events, developments, and individuals that impacted the United States in the late 19th and 20th century
- Discuss how cultures, resources, and traditions have been preserved and evolved over time

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Religion

Creed

- Identify the Trinity in the Nicene Creed and Gospel of Mark
- Identify the marks of the Church
- Recognize Jesus as truly God and truly man and Mary as the Immaculate Conception

Sacraments

- Describe sacraments as signs of grace
- Identify the purpose and important qualities of the Sacraments
- Identify sacraments that have the indelible character of the Holy Spirit

Christian Prayer & Spirituality

- State that God loves us and is in relationship with us
- Understand that God forgives sins when sacramentally confessed
- Show familiarity with the rosary, Nicene Creed, and theological virtues

Catholic Church

- Understand that the Church is entrusted with the Mission of Jesus Christ
- State the roles and importance of the Pope, bishops, archbishops, and cardinals
- State that all Church members belong to the Communion of Saints by reason of baptism

Sacred Scripture

- Define gospel, discipleship, and evangelist
- Show familiarity with the Gospel of Mark
- Explain how the Gospel of Mark is a sign of God's revelation

Liturgy

- Identify important aspects and organization of the Mass
- Identify symbols and rituals associated with Sacraments and services

Parish Life

- State the meaning of stewardship
- Perform duties of acolyte
- Participate in Mass
- Identify the cultural diversity of the parish

Vocation

- Understand the meaning of discipleship
- Identify the Sacrament of Baptism as initiation into a life of discipleship
- See vocations as calls to live the Christian life.

Ecumenism & Dialogue

- Understand that there are many religions but only one God
- Identify the ties of Judaism and Islam to Abraham
- Identify key beliefs of Judaism and Islam

Christian Living

- Define different kinds of sin, moral judgement, and consequence
- Identify the states of life after death
- Identify the meaning of sanctifying grace
- State the Ten Commandments and Two Great Commandments