

Saint Bartholomew School

Seventh Grade Curriculum Guide



Language Arts

Reading (Literature)

- Cite evidence that supports text meaning
- Determine and describe the theme of a text
- Create an objective summary
- Describe the interaction of setting, plot, and characters
- Determine the meaning of words and phrases
- Analyze the structure of a text
- Compare the points of view of different characters
- Distinguish between the effects of reading a story and seeing or hearing it read or performed
- Compare fictional and historical portrayals of the same setting

Reading (Informational Text)

- Cite evidence that supports text meaning
- Determine key details of a text
- Analyze the development of key details
- Analyze interactions between individuals, ideas, or events in a text
- Create an unbiased summary
- Determine the meaning of words and phrases
- Analyze the organization of a paragraph
- Explain an author's point of view
- Compare the portrayal of a subject in different mediums
- Evaluate arguments and evidence
- Compare facts and opinions in two texts on the same subject

Writing

- Write arguments to support claims with clear reasons and relevant evidence.
- Write informative texts to examine a topic through the selection, organization, and analysis of content.
- Write narratives using effective technique, relevant descriptive details, and well-structured 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 and generate questions
- Gather information from multiple sources and quote or paraphrase the data, avoiding plagiarism
- Draw evidence texts to support claims

Speaking & Listening

- Engage effectively in collaborative discussions with diverse partners
- Interpret information presented in different media and explain how it contributes to the topic
- Delineate a speaker's argument and specific claims, determining which are supported by fact
- Clearly present claims and findings, sequencing logically and accentuating main ideas
- Use appropriate eye contact, adequate volume, and clear pronunciation
- Adapt speech to a variety of contexts and tasks.
- Integrate multimedia and visual displays into presentations to clarify information, strengthen claims, and add interest

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.

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Mathematics

Expressions and Equations

- Use properties of operations to generate equivalent expressions
- Solve multi-step real-life and mathematical problems using positive and negative rational numbers
- Convert between numeric forms
- Estimate with positive and negative rational numbers
- Solve and graph word problems with a solution set of algebraic inequality

Statistics and Probability

- Use random samples to make inferences about a population
- Compare two populations using inferences
- Investigate and model chance processes
- Determine the probability of an event occurring
- Design and use simulations for generating frequencies of compound events

Geometry

- Create scale drawings
- Draw geometric shapes given specific conditions
- Describe two-dimensional shapes created by slicing three-dimensional shapes
- Solve problems involving area, surface area, and volume of shapes
- Solve equations for an unknown angle

Ratios & Proportional Relationships

- Compute unit rates associated with ratios of fractions
- Determine the proportional relationship between two quantities
- Represent proportional relationships using equations and graphs
- Use proportional relationships to solve multistep ratio and percentage problems

Number System

- Describe when opposite quantities combine to make 0
- Explain and demonstrate absolute value using a number line
- Add, subtract, multiply, and divide rational numbers using properties of operations
- Interpret and solve real world problems using rational numbers

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

U.S. History

- Identify reasons for European exploration and colonization in the 15th and 16th centuries
- Compare the formation, societies, and economies of the 13 colonies
- Identify factors that led to the Revolutionary War and describe major battles and events that led to American independence
- Describe how the beliefs and actions of important historical figures helped shape American policies and identity
- Analyze why slavery grew in the American south and identify people and policies that sought to keep or end slavery
- Trace how and why the United States gained new territory and identify conflicts that arose due to expansion

Government

- Analyze the powers and limitations of each branch of government
- Identify the powers held by federal, state, and local government
- Describe how the Illinois Constitution has changed over time and how it promotes the common good
- Describe the rights granted by the Bill of Rights and other Constitutional Amendments
- Identify the shortcomings of the Articles of Confederation and how the Founders promoted and ratified the Constitution
- Identify the requirements for holding public office
- Identify changes in voting qualifications over time

Economics

- Explain how supply and demand interact and influence production
- Define producers and consumers
- Analyze how competition influences prices and consumer behavior
- Explain how resources, government policy, and regional differences will shape the economy of the country and individual states

Civics and Culture

- Explain how public opinion, interest groups, and social organizations can affect policy
- Identify events that have shaped cultural history
- Explain how people can cooperate with government to affect social change
- Describe how culture is reflected by the arts and what American art shows about our history and culture

Geography & Human Migration

- Explain how people use and adapt to their environment to survive and thrive
- Explain how and why early American settlers migrated to different regions
- Explain how changes to an ecosystem impact people living there and how people impact an ecosystem

Tools & Research

- Use multiple primary and secondary sources to gain information about historical events
- Compare different interpretations of historical events or individuals
- Read and use timelines and historical maps
- Use and read charts and graphs
- Identify the continents, oceans, equator, etc.

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Religion

Creed

- Show understanding of God's divine revelation
- Show understanding of faith and its importance
- Recognize the presence and role of the Trinity

Sacraments

- Describe the qualities of sacramental living and why it is important
- Identify the purpose and important qualities of each of the Sacraments

Liturgy

- Understand and celebrate the liturgical rites of the Church
- Identify the purpose and importance of Mass and participate in Mass regularly

Catholic Church

- Recognize the mission of the Church
- Describe the Communion of Saints
- Understand the Rites of the Church

Sacred Scripture

- Define and describe the authorship of the Bible as both human and divinely inspired
- Develop familiarity with the Gospel of Luke and how it depicts the life of Jesus

Parish Life

- Show an understanding of stewardship
- Describe how parish identity is a reflection of the cultures and backgrounds of its members

Christian Prayer & Spirituality

- Identify specific prayers and the purpose of prayer
- Identify Mary as the model for prayer
- State the connection between reading scripture and prayer

Vocation

- Identify vocation as a calling
- Recognize that God calls the Church and its members to work for the Kingdom
- Describe the work of apostolic religious orders

Ecumenism & Dialogue

- Recognize that all faith traditions should be respected
- Identify cultural and religious aspects of Judaism
- Understand that Islam expresses faith in the one God

Christian Living

- Define moral living and how to make moral decisions in regards to specific topics
- Describe personal and social sin and how to promote the common good
- State the Ten Commandments and the Beatitudes