



# St. Gregory the Great Parish and School

## Sixth Grade Curriculum Highlights

### In Social Studies your child will:

- ♥ Interpret the past using a variety of primary and secondary sources
- ♥ Compare ancient and present-day communities around the world
- ♥ Identify and describe significant people in the major eras in the United States and world history
- ♥ Examine the impact of immigration on the United States and world history
- ♥ Summarize major issues associated with the history, culture, and tribal sovereignty of indigenous peoples of Americas
- ♥ Organize and analyze information to place people in historical perspective
- ♥ Describe the relationship between and among significant events in the United States and world history
- ♥ Critically analyze current events in the United States and the world
- ♥ Explain the interpretation of historical events according to various viewpoints
- ♥ Identify major scientific discoveries and technological innovations and describe their social and economic effects on society
- ♥ Explain the need for laws and policies to regulate science and technology
- ♥ Describe how personal economic decisions impact global economy (e.g., starting new business initiatives, boycotts, and earning power of workers)
- ♥ Determine the location of natural resources and explain how they generate trade and economic patterns
- ♥ Describe effects of investments in infrastructure (e.g., education, health care, public safety, transportation, etc.) on the economy
- ♥ Identify and explain various points of view concerning economic issues (e.g., taxation, unemployment, inflation, the national debt, and distribution of income)
- ♥ Compare the standard of living in various societies
- ♥ Interpret and explain the development of money in history
- ♥ Differentiate among the various economic and political systems (e.g., feudalism, capitalism, communism, etc.)
- ♥ Differentiate among the various economic and political systems (e.g., feudalism, capitalism, communism, etc.)
- ♥ Distinguish and explain basic economic concepts (e.g. supply and demand; production, exchange, and consumption; labor, wages, and capital; inflation and deflation; public and private goods and services; market economy and command economy)
- ♥ Identify the economic role of institutions (e.g., corporations and businesses, banks, labor unions, and the Federal Reserve System)
- ♥ Identify components of culture (e.g., religion, art, language, customs and cuisine)
- ♥ Describe and analyze ways in which people interact with, modify and adapt with the environment
- ♥ Explain the movement of people, ideas, products and diseases in the world
- ♥ Demonstrate ways in which a citizen may participate in public policy debate
- ♥ Identify individual responsibilities to local, state, national and global communities
- ♥ Explain the role and impact of civil actions
- ♥ Locate, organize, and use relevant information to understand issues
- ♥ Explain how laws and developed, changed and enforced
- ♥ Explain the role of political parties and interest groups in American politics
- ♥ Identify and explain the different forms of government, including the basic principles of democracy
- ♥ Explain how legislative, executive, and judicial powers are separated and balanced at the federal level
- ♥ Explain how legislative, executive, and judicial powers are separated and balanced at the federal level
- ♥ Describe and explain how the federal system separates the powers of federal, states, and local government
- ♥ Distinguish how the powers of government are acquired, maintained, justified, and sometimes abused
- ♥ Describe the role and effects of international organizations and political alliances throughout the world
- ♥ Describe and explain how various factors influence individual identity
- ♥ Describe cooperation and interdependence among groups, societies and nations
- ♥ Demonstrate knowledge of the world's religions
- ♥ Compare and contrast the components of various religion's culture
- ♥ Explain impact of world's events globally
- ♥ Describe the reflection of cultural values and ideas in art and architecture
- ♥ Describe cultural contributions of racial and ethnic groups in the United States and the world
- ♥ Identify examples of bias and stereotyping and how they contribute to conflict
- ♥ Give examples of media influence on behavior and decision-making of individuals and groups
- ♥ Analyze the impact of personal decisions on global issues (e.g., trade agreements, recycling and conserving the environment)
- ♥ Analyze the cause and effect relationship of different events over time
- ♥ Research the political values of freedom, democracy, equality and justice as embodied in important documents (e.g. the Magna Carta, Declaration of Independence, US Constitution, and Bill of Rights)
- ♥ Analyze significant events and the major eras of the United States and the world
- ♥ Research the causes and consequences of global issues (e.g., urbanization of species, consumption of natural resources, and world events)
- ♥ Analyze and discuss important political documents (e.g. the Magna Carta, Constitution, Bill of Rights, and landmark decisions of the Supreme Court)
- ♥ Analyze cultural conflicts in United States history
- ♥ Identify past and present countries in the world
- ♥ Explain relative and absolute location of places using appropriate geographic terminology
- ♥ Locate and identify physical features in the world
- ♥ Use maps, charts, and graphs to display and compare information
- ♥ Use an atlas to estimate distance, calculate scale, identify dominate patterns of climate and land use, and compute population density

# **St. Gregory the Great Parish and School**

## **Sixth Grade Curriculum Highlights—Continued**

### **In Social Studies your child will (cont.):**

- ♥ Construct mental maps of selected locales, regions, states, and countries and draw maps from memory, representing relative location, direction, size and shape
- ♥ Create different types of maps (e.g., political, physical, and thematic)
- ♥ Identify past and present world regions
- ♥ Identify United States regions throughout history
- ♥ Utilizes technology for research and presentations
- ♥ Analyze social issues based on whether human dignity is valued or harmed
- ♥ Identify Biblical passages related to human dignity
- ♥ Use the church's social teachings as a lens to look at the moral and human dimensions of public issues
- ♥ Articulate the component parts of human dignity
- ♥ Identify actions that would be considered abuses of human rights (local, national, international)
- ♥ Research social data and church teaching as a way to begin to transform injustice
- ♥ Articulate the causes of poverty and the systems which prevent people from overcoming poverty
- ♥ Do research on the 20th and 21st century people who have fought for injustice (e.g., Archbishop Romero, Dorothy Day, Martin Luther King)
- ♥ Clearly articulate the difference between justice and charity
- ♥ Discuss the role work can play as a contribution to self and society
- ♥ Articulate the importance of intrinsic values
- ♥ Give example of the basic rights and responsibilities of workers in at least three different job areas

### **In Mathematics your child will:**

- ♥ Convert fractions to decimals and vice versa
- ♥ Use divisibility rules for 2,3,4,5,6,9,10
- ♥ Use calculator to determine equivalence
- ♥ Find mean and median range
- ♥ Multiply fractions and decimals
- ♥ Divide fractions
- ♥ Extend mental math skills
- ♥ Interpret experimental and theoretical probabilities
- ♥ Measure length accurately to the nearest 1/16 inch
- ♥ Add and subtract units of time
- ♥ Represent three-dimensional figures
- ♥ Construct and represent congruent shapes
- ♥ Use slides, flips, and turns on figures
- ♥ Calculate area and circumference using pi
- ♥ Identify X and Y axis
- ♥ Identify cubes and square pyramid shapes from their net flat patterns
- ♥ Identify use of negative numbers
- ♥ Know exponential notation for power of ten
- ♥ Find temperature changes with negative numbers
- ♥ Identify properties of geometric solids
- ♥ Identify cubes, rectangles and triangle prisms and rectangular and triangular pyramids from simple nets.
- ♥ Divide decimals by whole numbers and decimals
- ♥ Create surveys using frequency tables
- ♥ Formulate questions, design studies and collect data
- ♥ Convert units of mass, weight, capacity
- ♥ Identify rational numbers on a number line
- ♥ Find missing components of mathematical statements
- ♥ Understand order operations
- ♥ Apply formulas for perimeter and area of triangles
- ♥ Multiply and divide integers
- ♥ Understand concept of ratio and percent
- ♥ Use whole number exponents and powers
- ♥ Plot ordered pairs in all 4 quadrants
- ♥ Identify reciprocals and exponents
- ♥ Convert fractions, decimals and percents greater than 1 and less than 0

### **In Reading/Language Arts your child will:**

- ♥ Understand word recognition strategies, word origins and decoding through punctuation and clarification of text passages
- ♥ Summarize, synthesize, and form opinions
- ♥ Identify and select different reading genres
- ♥ Identify theme and literary elements found in various forms of literature
- ♥ Explain critical opinions about a text formally in a well-organized speech or essay
- ♥ Interpret and use text resources
- ♥ Compare and contrast appropriate materials for research
- ♥ Read aloud effectively
- ♥ Distinguish between fact and opinion and provide evidence to support opinions
- ♥ Reflect on the ideas and opinions of others and respond thoughtfully
- ♥ Summarize information from a discussion
- ♥ Predict outcomes and draw conclusions from knowledge of plot and character development
- ♥ Identify synonyms, antonyms and homonyms using dictionary and thesaurus
- ♥ Write for various purposes
- ♥ Compose narrative using personal voice
- ♥ Write using a variety of modalities
- ♥ Write using a variety of writing modalities
- ♥ Identify, locate and explore multiple sources of information appropriate to inquiry
- ♥ Combine discoveries from research and inquiry into answers
- ♥ Plans, drafts, revises, edits, and publishes person writing
- ♥ Spell frequently used words correctly

# St. Gregory the Great Parish and School

## Sixth Grade Curriculum Highlights—Continued

### In Science your child will:

- ♥ Know the components of soil and other factors that influence soil texture, fertility, and resistance to erosion
- ♥ Identify the characteristics of sedimentary, igneous, and metamorphic rocks and know their formation process
- ♥ Know that the fossils contained in the successive layers of rock can confirm the age, history, and changing life forms of the Earth
- ♥ Know that land forms are created through constructive and destructive forces
- ♥ Know that the Earth's crust is divided into plates that move in response to mantle movement
- ♥ Understand the physical and chemical interactions among substances
- ♥ Know the organization of the periodic table
- ♥ Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.
- ♥ Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.
- ♥ Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.
- ♥ Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.
- ♥ Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.
- ♥ Develop and use a model to describe why structural changes to genes (mutations) located on chromosomes may affect proteins and may result in harmful, beneficial, or neutral effects to the structure and function of the organism.
- ♥ Develop and use a model to describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation.
- ♥ Analyze and interpret data for patterns in fossil the record that document the existence, diversity, extinction, and change of life forms throughout the history of life on Earth under the assumption that natural laws operate today as in the past.
- ♥ Apply scientific ideas to construct an explanation for the anatomical similarities and differences among modern organisms and between modern and fossil organisms to infer evolutionary relationships.
- ♥ Construct an explanation based on evidence that describes how genetic variations of traits in a population increase some individuals' probability of surviving and reproducing in a specific environment.
- ♥ Use mathematical representations to support explanations of how natural selection may lead to increases and decreases of specific traits in populations over time.
- ♥ Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth's 4.6-billion-year-old history.
- ♥ Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process.
- ♥ Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.
- ♥ Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions.
- ♥ Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.
- ♥ Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions.
- ♥ Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.
- ♥ Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes.
- ♥ Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.
- ♥ Apply scientific principles to design a method for monitoring and minimizing a human impact of the environment.
- ♥ Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.
- ♥ Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.
- ♥ Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.
- ♥ Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.
- ♥ Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into new solution to better meet the criteria for success.
- ♥ Develop a model to generate data for interactive testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.



## Technology Skills



Skills are learned through the integration of technology.

### Your child will:

- Use cursor to type/insert text
- Locate and enter punctuation marks
- Copy and paste words/images
- Change font style, size and color
- Revise a document (spelling, delete, move, insert)
- Edit for spelling using spell checker
- Use review tools, edit using synonym, thesaurus feature
- Use page layout tools, columns, orientation, margin, header and footer, borders, watermark
- Use keyboarding skills utilizing the space bar, delete, backspace, caps lock, shift, and number keys
- Use single and double click function of mouse
- Highlight and move text
- Use Word Art function
- Start up and shut down computer
- Use the scroll bar to move up and down, left and right
- Understand copyright laws
- Understand and use appropriate bibliography skills to credit researched information, use of images and website information
- Use technology to research information
- Use Excel, PowerPoint and other Office applications to present information
- Utilize technological tools in all areas of curricular study

 This highlights guide does not contain the complete curriculum. It is meant to be an overview of the content taught. Many additional topics, skills, and standards are covered throughout the school year.

# St. Gregory the Great Parish and School

## Sixth Grade Curriculum Highlights—Continued

### In Physical Education your child will:

- Execute developmentally advanced movements patterns in modified versions of team and individual sports
- Understand how to execute appropriate offensive/defensive strategies
- Assess personal motor fitness status
- Select appropriate practice procedures to learn and master skills
- Find positive ways to exert independence
- Learn to play within the rules of a game or activity
- Know the importance of communication in dual and team sports
- Appreciates skilled movement of the body

### In Health your child will:

- Know how food preparation and methods and food handling practices affect the safety and nutrient quality of foods
- Identify the major classes of nutrients and their functions
- Identify hygiene and diet practice for improved personal/family health
- Participate in peer education to decrease the likelihood of smoking
- Recognize that people grow and mature at different rates and different stages resulting in different body types

### In Music your child will:

- Sing accurately with good breath control
- Sing music representing diverse genres
- Improvise simple harmonic accompaniments
- Read and notate music
- Compare the music of several cultures of the world including their own

### In Religion your child will:

- Understand basic concepts of the creed
- Articulate what the Church means by Trinity
- Recognize the diversity of ministry in the Church
- Understand the Bible's role in the Church
- Connect the seven sacraments with life experiences
- Understand the liturgical year with special emphasis on Lent and the Triduum
- Recognize Abraham as a model of prayer, especially faith
- Accept consequences for choices made (Adam and Eve-Genesis 3)

### In Spanish your child will:

- Engage in oral and written conversation on familiar topics in Spanish
- Give and follow multi-step directions in Spanish
- Students present information to an audience of listeners in Spanish
- Students apply appropriate writing process strategies in Spanish
- Identify and /or demonstrate styles of authentic music or dance in the Spanish culture
- Students investigate and discuss current events relating to the Spanish culture
- Understand the concept of grammatical gender in the Spanish language
- Will identify the use of the Spanish language beyond the classroom

### In Art your child will:

- Learn basic art vocabulary
- Explore the elements and principles building on previous knowledge
- Develop a base of knowledge and skills from which to develop new ideas
- Observe and discuss artworks
- Become aware of his/her own unique creative gifts
- Create artwork strengthening creative problem solving skills
- Understand that creating is a personal experience



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