



Christ Episcopal School

Sixth Grade Overview

Concepts and activities include but are not limited to the following:



Reading/Language Arts

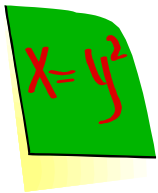
- Experience historical fiction, biography, classics, Newbery books, mythology, and poetry
- Recognize foreshadowing, conflict, cause and effect, main idea, fact vs. opinion
- Develop oral reading skills with pitch, volume, fluency
- Read in content areas, graphs, tables, reference materials
- Writing-identifying idea, organization, conventions, fluency, voice
- Practice technical writing, summarizing, outlining
- Use creative writing—create a myth, poetry, alliteration, onomatopoeia; use similes and metaphors
- Diagram sentences
- Parts of speech and their uses
- Note-taking skills
- Role play characters in a book
- Present reports fluently with minimal written support
- Recognize Greek and Latin roots of words
- Connect words from other languages to understand English roots
- Use thesaurus and technical supports in dictionaries
- Master spelling rules and practice proofreading.

Library Skills

- Compare Dewey Decimal and Library of Congress cataloging
- Research skills:
 - use reference works to locate information
 - use biographies for historical data
 - compare same topics in various sources
 - off-campus research at SFA and public libraries
 - use of SFA's online catalog through their web site.

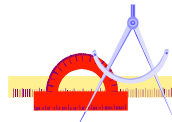
Math

- Use four operations with whole numbers, decimals, and fractions
- Recognize relationship of decimals, fractions, and percents to each other
 - Round whole numbers, fractions, and decimals
 - Recognize place value to trillions
 - Use exponents and tree diagrams
 - Find least common denominators, greatest common factor, and prime factorization
 - Explore other base systems
 - Use variable algebraic expressions, ration, proportion, and practical application
- Estimate probability of event and complement
- Solve simple algebraic equations
- Practice problem solving strategies
- Introduce experimental and theoretical probability
- Use parallel, perpendicular skew lines



Math continued:

- Estimate, measure, bisect, and construct angles
- Find perimeter, circumference, area of polygons and circles, and volume of rectangular prism
- Discuss Greek mathematicians—Pythagorus & Archemides
- Compare U.S. measuring system to metric system
 - Create climate and population graphs
 - Calculate mean, mode, and median
 - Create spread sheets to solve simple math problems.



Social Studies

- Study of early civilizations—Sumer, Mesopotamia, Egypt, Rome, Greece, Vikings, and Medieval period
- Learn about major battles of ancient times
- Note major influential historical figures (political, scientific, philosopher, etc.)
- Recognize Greek and Roman influence on Western civilization (language, government, etc.)
- Compare types of government
- Recognize impact of active participation in the community
- Study Middle Eastern countries
- Study major world religions—Islam, Judaism, Christianity, and Hindu
- Discuss current events
- Identify cultural borrowing—art, literature, music, etc.
- Use latitude and longitude
- Identify major nations in Europe, the Middle East, Africa, Asia, and North and South America
- Identify land and water forms
- Use a variety of maps—political, topographical, etc.
- Identify products in homes from other countries—global market
- Identify what constitutes the economy (agriculture, industry, etc.)



Science

- Learn about historical diseases and their effect on populations—malaria, the plague, and polio
- Compare mitosis and meiosis
- Recognize classifications of five kingdoms
- Learn scientific nomenclature & dichotomous keys
- Use basic lab equipment including microscope and balance
- Learn inference and prediction skills
- Use metric system, including volume and mass
- Recognize food chains and webs
- Identify changes in earth's crust—volcanoes, earthquakes, plate tectonics
- Review the Periodic Table

Sixth Grade Overview continued

Concepts and activities include but are not limited to the following:

Science continued:

- Discuss role of chromosomes, genes, and DNA in human growth
- Identify recessive and dominant genes
- Distinguish between invertebrates and vertebrates
- Learn about plant adaptations
- Study matter and atoms, structure of compounds, mixtures, and solutions
- Explore chemical and physical properties and change
- Stewardship of the planet—process of recycling at centers and landfills.



Spanish—Students meet with the Spanish teacher twice a week.

- Review number to a million
 - Use the verb ser and the possessive—de—when writing or telling time
 - Correctly use adjectives to describe people and things
 - Talk about things they like and why
 - Begin irregular verbs
 - Por Vs Para and Ser Vs Estar
- Write a short story
 - Sing and pray in Spanish
 - Pledge of Allegiance
 - Expand knowledge of Spanish culture.

Physical Education—Students attend physical education class daily and receive instruction from a physical education teacher. Various sports are learned to:

- develop strength, endurance, and flexibility
- perform fundamental locomotor and manipulative skills daily
- demonstrate social development and sportsmanship
- demonstrate effective communication, consideration, and respect of others during physical activities.

Music—Students meet with the music teacher twice a week.

- Sing in 2 and 3 part harmony
- Recall major events from the lives of composers studied in class
- Echo melodic patterns after hearing them
- Recognize solo instruments in recordings
- Characteristics from Renaissance and Impressionist periods
- Recognize major musical works
- Rhythmic and melodic dictation
- Compose simple melodies
- Write rhythms in 3/4, 4/4, 2/4, 6/8, and 2/2
- Demonstrate knowledge of musical terms associated with the writing of music
- Play the recorder
- Identify key signatures (Circle of Fifths)
- Correct breathing for singing.



Art—Students attend art class once a week.

- Express a variety of ideas through original artworks using a variety of media with appropriate skill
- Understand lines can be used for shaded effects
- Demonstrate technical skills effectively using a variety of media and materials to produce designs, drawings, painting, prints, sculptures, ceramics, and fiber art
- Understand contrasting elements can be used to create a focal point or area of interest
- Identify and create bas relief and sculpture in the round
- Understand balance deals with visual weight in an artwork and can be achieved through object placement, color intensity, size of elements, contours of elements, and relative patterns and textures
- Use stippling and a variety of lines to create shaded effects
- Create a unified design
- Draw proportionate facial features
- Make and use low and high intensity colors
- Create aerial perspective through use of color and detail.



Computer Technology—Students attend computer class twice weekly. Teachers are integrate technology-based projects into the curriculum.

- Computer literacy: hardware vs software, bits and bytes, data storage, Windows Desktop, files and folders, operating systems, programs, computer care and safety
 - Online testing of computer literacy
 - Advanced keyboarding: ergonomics, accuracy memorizations, finger practice, recording of words-per-minute
 - Advance word processing: terms, toolbars, applications using Microsoft Word
 - Advanced spreadsheets: terms, toolbars, and applications using Microsoft Excel
- Advanced multimedia presentations: terms, toolbars, and applications using Microsoft PowerPoint
- Internet: navigation, research, and safety
- Introduction to Desktop Publishing for printing
- Scanning and digital editing
- How to select appropriate applications for assigned projects
- Introduction to citing website sources



Christian Education—Christianity and moral precepts are incorporated into the daily life of students and teachers at Christ Episcopal School. Teachers read and discuss a daily Bible story and lead the children in prayers before snacks and meals.

On Wednesdays, students participate in a Chapel service, held in the sanctuary of the church, and led by the rector or assistant rector of Christ Episcopal Church.

Students recite and study the Apostles' Creed and study Bible stories. Students learn to pray prayers of thanksgiving and to pray for others.

