



Christ Episcopal School

Sixth Grade Overview

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

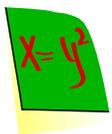


Reading/Language Arts

- 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 - Students visit the library once a week.

- Correlate with classroom teacher to introduce specific genres, such as classic novels, historical fiction, and mythology.
- Recognize distinguishing features of genres studied.
- Recognize author and illustrator styles and determine individual preferences.
- Understand sub-categories within the 10 basic Dewey classifications.
- Introduce current year's Texas Bluebonnet books.
- Measure comprehension skills through computerized tests on the Bluebonnet books.
- Culminate Bluebonnet program with Battle of the Bluebonnet Books competition for grades 3-6.

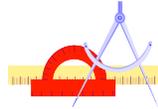


Math

- 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 square roots
- Find least common denominators, greatest common factor, and prime factorization
- Use variable algebraic expressions, ratio and proportions
- Solve simple algebraic equations
- Introduce experimental and theoretical probability

Math continued:

- Estimate probability of event and complement
- Recognize parallel and perpendicular lines
- Practice problem solving strategies
- Identify polygon types and their characteristics
- Estimate, measure, classify, bisect, and construct angles
- Find perimeter, circumference, area of polygons and circles, and volume of rectangular prism
 - Discuss Greek mathematicians—Pythagorus & Archemides
- Compare and apply U.S. customary units and the metric system
- Calculate mean, mode, and median.



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.
- Identify major nations in Europe, the Middle East, Africa, Asia, and North and South America
- Use latitude and longitude
- 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

- Create cell models
- Compare mitosis and meiosis
- Discuss role of chromosomes, genes, and DNA in human growth cells
- Identify recessive and dominant traits
- Recognize classifications of five kingdoms
- Learn scientific nomenclature & use of 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

Sixth Grade Overview continued

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

Science continued:

- Identify changes in earth's crust—volcanoes, earthquakes, plate tectonics
- Rock cycle
- Distinguish between invertebrates and vertebrates
- Learn about plant adaptations
- Study matter and atoms, structure of compounds, mixtures, and solutions
- Review the Periodic Table
- Explore chemical and physical properties and change
- Stewardship of the planet—process of recycling at centers and landfills
- Participate in the school's Science Fair.



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 choir chimes
- Discuss proper etiquette for musical performance



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 for 35 minutes twice weekly. Teachers 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 using MS Publisher
- Scanning and digital editing
- How to select appropriate applications for assigned projects
- Introduction to citing website sources
- Create spreadsheets using MS Excel.



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 of Christ Church or the Head of School. Weekly, students attend a Christian Education class which includes Old Testament & New Testament stories and how to live faith in today's world. Students learn to pray prayers of thanksgiving and to pray for others.

