



# Christ Episcopal School

## Fourth Grade Overview

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

### Reading/Language Arts



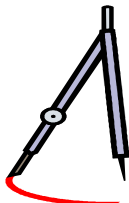
- Phonemic studies: consonant and vowel sounds, consonant digraphs, silent letters, diphthongs: oi, oy
- Nouns: plurals, possessive, proper, and predicate
- Direct object, indirect object, object of the preposition
- Pronouns: antecedents, object, personal, possessive, subject, used as adjectives
- Irregular verbs and root words
- Colons, semi-colons, and apostrophes
- Punctuation
- Dictionary use
- Writing in first, second, & third person
- Letter writing: business, friendly, invitations, thank-you notes
- Persuasive writing, figurative language
- Topic sentences and paragraph construction
- Realistic fiction, fables, and folktales
- Poetry, metaphors, personification, simile
- Drawing inferences and conclusions
- Outlining: main idea, setting, character, plot, ending
- Creative writing, autobiography, journals.

### Library Skills—Students visit the library once a week.

- Review library organization
- Review card catalog and Dewey Decimal System
- Dictionary skills
- Newbery Award book emphasis
- Map skills
- Research skills: simple documentation of sources, comparison of topics in various sources, practice use of indexes to locate information, practice use of encyclopedia information, practice use of almanacs for information.

### Math—The math program systematically distributes instruction, practice, and assessment throughout the academic year.

- Whole number concepts & computation
- Estimation
- Problem solving strategies
- Patterns and sequences
- Fractions, decimals, and mixed numbers
- Negative numbers
- Properties of operations
- Expanded notation
- Additions, subtraction, multiplication, & division operations with whole numbers, fractions, & decimals
- Regrouping and pre-algebra notation
- Mental division strategies
- Powers (base and exponent)

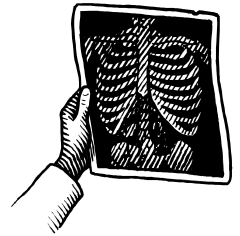


### Math continued:

- Improper fractions, least common denominators
- Decimals: comparing, ordering, converting
- Percent, rates
- Solving multi-step equations
- Mathematical reasoning
- Measurement tools: ruler, protractor, thermometer, balance scale, stopwatch
- Circles and arcs: radius, diameter, center
- Volume, area, symmetry, congruence, & similarity
- Algebra: patterns, story-problems, coding & decoding
- Variables
- Functions (formulas, input-output tables, graphs).

### Science

- Human body
  - overview of the body systems
  - skeletal and muscular systems
  - bones
  - joints
  - Muscles, ligaments, and tendons
- Landforms and Earth Science
  - models and maps
  - erosion and deposition
  - surface features of land
  - steam table models
  - topographic maps and techniques used to create them
  - contour and elevation
  - fossils
  - inside the earth
  - solar system and beyond
- Living things
  - cells
  - organisms: classifying, history of, location of
  - changes in the ecosystem
  - plants: parts, growth reproduction
  - animals: vertebrate and invertebrate, development and reproduction, survival
- Atmosphere
  - water cycle
  - oceans
  - water conservation
  - groundwater
  - air, wind, and the atmosphere
- Matter
  - properties and states of matter
  - measuring matter
- Energy
  - motion, force, and energy
  - energy and tools
  - heat, light, and sound
  - electricity and magnetism
  - nuclear energy
- Science in History—biographies of famous scientists and their impact on the world.



# Fourth Grade Overview continued



## Social Studies

- Geography: globes, world geography
- Geographic terms
- U.S. Geography and regions
- Texas history and geography
- Maps and landforms of the four regions of Texas
- Spanish & French explorers & influence in Texas
- Louisiana Purchase
- Mexican Independence & rule
- Texas Revolution & battles
- The Republic of Texas
- Texas Constitution
- Native Americans in Texas
- Flags, symbols, & song of Texas
- Oil industry & boom towns
- Texas in the 21st century.

**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.

**Spanish**—Students attend Spanish class twice a week.

- Converse using classroom expressions
- Begin regular verb conjugations
- Definite and indefinite articles
- Conjugate and use the verb Tener
- Use question words in Spanish
- Tell what you like and dislike in Spanish and question others
- Sing and pray in Spanish
- Continue practicing the Pledge of Allegiance
- Expand on the Spanish culture.

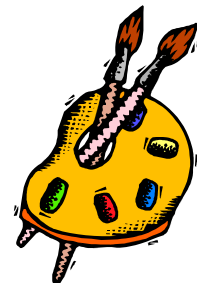


**Music**—Student attend music class twice a week. Activities and skills include:

- Correct breathing for singing
- Listen to and identify musical forms AB, ABA, AABA
- Sing simple two-part harmony
- Clap a simple rhythm pattern
- Recognize names and music of composers studied in class
- Recall major events from the lives of composers studied
- Echo melodic patterns after hearing
- Recognize solo instruments in recordings
- Recognize major musical works
- Simple rhythmic and melodic dictation
- Recognize letter names of notes on the staff
- Sing a major scale on solfege with hand signs
- Orff instruments-play simple harmonic accompaniment.

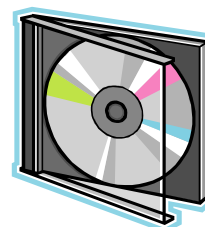
**Art**—Students attend art class once a week.

- Identify grayscale
- Knows warm and cool colors
- Identify complimentary colors; use complimentary colors to create simultaneous contrast
- Distinguish between negative and positive space; create a design in which negative and positive space is balanced
- Point of view—eye level, bird's eye view, worm's eye view
- Use lines to express mood, convey emotions
- Use contour and outlines in artworks
- Invent ways to produce artworks using a variety of art media and materials
- Create pattern motifs that vary.



**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 read and study Bible stories. They learn to pray prayers of thanksgiving and to pray for others.



**Computer Technology**—Fourth grade students meet with the computer teacher 40 minutes twice weekly in the computer lab. Teachers are encouraged to enrich the computer curriculum with technology-based projects based on skills learned in the lab. The classroom has a networked computer.

- Computer literacy—hardware vs. software, bits and bytes, data storage, Windows Desktop, computer care and safety
- Online testing of computer literacy
- Advanced keyboarding—ergonomics, accuracy, memorization, finger practice, recording words-per-minute
- Word Processing—terms, toolbars, applications using Microsoft Word
- Spreadsheets: terms, toolbars, applications using Microsoft Excel
- Introduction to graphs using Microsoft Excel
- Multimedia Presentations: terms, toolbars, applications using Microsoft PowerPoint
- Internet: navigation, research and safety
- Technology use to access, analyze, and evaluate information.