

Fourth Grade

Curriculum Course Outline

Core Subjects with Regions



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The Plan of the Fourth Grade Course

This course may be started at any time in the year. There are 160 numbered lessons, divided into twenty-lesson sets. Within each set of twenty lessons are two review lessons. Tests appear every twentieth lesson (Test Lesson 20, Test Lesson 40, Test Lesson 60, etc.). The length of time devoted to reviews and tests should be adjusted to meet the individual student's requirements.

The following is a *suggested* daily schedule with the understanding that some students spend more time and some less, depending upon their speed, ability, health, or other circumstances.

Suggested Daily Schedule

| | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
|---------------|---|-----------|----------------|---|----------------|
| 9:00 – 10:00 | Mathematics | | | | |
| 10:00 – 10:25 | Spelling | | | | |
| 10:25 – 10:40 | Recess/Physical Activity | | | | |
| 10:40 – 11:30 | Composition | Study | Study | Composition | Composition |
| 11:30 – 12:30 | Reading | | | | |
| 12:30 – 12:50 | Lunch | | | | |
| 12:50 – 1:40 | Social Studies | Geography | Social Studies | Social Studies Elective/State History | Social Studies |
| 1:40 – 1:55 | Recess/Physical Activity | | | | |
| 1:55 – 2:15 | Study | Grammar | Study | Grammar | Study |
| 2:15 – 3:05 | Science | Science | Art | Science | Science |
| 3:05 – 3:35 | Picture Study/Handwriting/Corrections/Study | | | | |

Standard Course Materials

In the Calvert Box

Manuals

Lesson Manual Parts A & B

Activity Pages

Textbooks

Art/Picture Study:

7 art pictures

Egypt set of art postcards

Geography:

Maps•Globes•Graphs (Level D)

Grammar:

Grammar & Usage

Reading:

Famous Legends

Identities: An Anthology

In the Year of the Boar and Jackie Robinson

Jackie Robinson: Strong Inside and Out

Mrs. Frisby and the Rats of NIMH

Thomas Edison: The Great Inventor

Science:

Science: A Closer Look

Social Studies:

Regions

Social Studies Workbook

Spelling:

Everyday Spelling

*Note: Check the Curriculum Course Outline for **Mathematics**, for the list of those materials.*

Online Resources

Online Platform

e-Textbooks

Online Lesson Manuals

BrainPOP Jr

Checkpoints

Discovery Education Videos

Encyclopedia Britannica

Instructional Videos

Learning.com EasyTech Lessons

Practice Tests

Web Usage Guide

World Atlas

Learning Guide Resources

Answer Keys for Daily Work

Computer Health and Safety Guidelines

Grade Book*

Course Survey

ART

- Create works of art representative of art movements in history.
- Create cave art, Chinese calligraphy, a color wheel, an illuminated manuscript, and an abstract picture.
- Create an underwater scene using a wax resist technique.
- Draw with an emphasis on shape, line, light, and shadow; draw Egyptian pyramids, Greek amphorae, human and animal figures in motion, a still life, a mural, a diagram, and landscapes using primary and secondary colors.
- Paint a portrait.
- Create weaving from paper; design a rug, a mosaic, and a flying machine; explore various techniques in painting using watercolors.
- Interpret, discuss, and analyze famous works of art by ancient Egyptians, art from an illuminated manuscript, painters Piombo, da Vinci, Raphael, Millais, Boughton, Trumbull, and Johnson.
- Understand line, shape, pattern, texture, color, value, symmetry, composition, perspective and form.

COMPOSITION

- Use the writing process to develop paragraphs.
- Brainstorm ideas using the 5 Ws.
- Prewrite using graphic organizers including web planner, pyramid planner, sequence chains, step-by-step planner, paragraph organizer, story map, and outlining.
- Compose poems, a friendly letter, multi-paragraph compositions, descriptive paragraphs, stories, expository paragraphs, summaries, multi-paragraph expository compositions, and book reports.
- Create an advertisement and an opinion paragraph/letter.
- Edit and proofread compositions for spelling, punctuation, and capitalization; proofread for completeness of sentences, topic sentences, correct paragraphing; revise for sentence structure and fluency, vivid verbs and adjectives, figurative language; evaluate compositions for completeness and flow.
- Publish a selection of original compositions including paragraphs, poems, personal narratives, an expository paragraph, descriptive paragraphs, a book report, stories, a letter, and a descriptive essay.

COMPUTER SKILLS

- Use effective page layout design with a word processing document.
- Use visual mapping software.

- Differentiate between an intranet and the Internet; respect the intellectual property of others when using networks or the Internet; log in to sites or accounts with a user name and password.
- Identify parts of an e-mail address and an e-mail message; identify, sort, and delete e-mail messages; use web browser navigation buttons to browse the Internet efficiently.
- Use spreadsheet features; create different types of graphs, for example, pie charts, bar graphs, and line graphs and determine the best chart to display data.
- Use a database to conduct searches and sorts; locate information in databases.
- Use presentation software to create and design a slide show; incorporate good design principles, for example, layout, color palette, font, as well as organization, and concise text when composing slides; incorporate appropriate clip art into slides.

GEOGRAPHY

- Read and complete a bar graph, circle graph, line graph, time line, and flow chart; compare photograph and map.
- Identify the five themes of Geography.
- Determine relative location using a grid; identify exact location.
- Locate lines of latitude and longitude, the equator, prime meridian, and Eastern and Western hemispheres; identify and label physical features using a relief map; use map scale, estimate distance.
- Explain the differences between temperature and weather; identify ways that humans interact and adapt to their environment; recognize how climate affects people's lives.
- Identify movement of people, goods, information and ideas.
- Explain how technology has improved people's lives.

GRAMMAR

- Put words in alphabetical order.
- Define a noun and nouns that are concepts; identify common and proper nouns; recognize and form irregular plural nouns; define adjectives as words that help to describe a noun; review singular and plural possessive nouns.
- Distinguish between an action verb and a being verb; understand the meaning of and identify present and past tense verbs; identify verb phrases and compound verbs in sentences; distinguish between a main verb and a helping verb; recognize and use the past tense of irregular verbs with and without the helping verb *have*.
- Recognize pronouns, subject pronouns, and singular and plural object pronouns; identify pronouns as subject complements; discuss possessive pronouns.
- Differentiate between contractions and possessive nouns.
- Discuss and discriminate between homonyms.
- Recognize adjectives used as subject complements; identify adjectives that modify pronouns; identify and create adjectives from nouns and verbs; understand and use comparative and superlative adjectives and adverbs.

- Use correct punctuation to edit run-on sentences, interrogative sentences, and abbreviations.
- Use appropriate plural ending for nouns including **-s**, **-es**, and **-ies**.
- Apply the rules of capitalization, commas, quotation marks, apostrophes, and underlining titles of books correctly.
- Identify and write the four types of sentences; distinguish between fragments, run-on, and complete sentences; identify subjects and verbs in asking sentences; recognize that the subject of an imperative sentence is “you understood;” identify compound subjects and verbs.
- Identify the subject and predicate, including the difference between a complete and simple subject and predicate of a sentence.
- Use varied sentence structure; discuss inverted sentence order.

MATHEMATICS

Found in the mathematics Course Outline

PICTURE STUDY

- Examine famous paintings, sculpture, and architecture.

POETRY

- Recite a poem from memory.
- Describe elements and derive meaning from a poem.
- Identify rhyme and stanzas in a poem.
- Interpret figurative language such as metaphors, personification, and hyperbole.

READING

- Identify prefixes to determine meanings of words.
- Read and review math, science, and social studies textbooks; use text features such as table of contents, side bars, pictures, captions, and glossaries to comprehend nonfiction text.
- Read a variety of classic literature—novels and poetry; read/understand meaning of poems.
- Sequence events; summarize information; identify main idea and analyze supporting details.
- Identify the story mood.
- Identify story moral.
- Analyze characterization and conflict.
- Interpret figurative language.
- Describe and analyze author’s craft.
- Compare and contrast first- and third-person point of view.
- Compare and contrast fact and opinion.
- Identify steps in a process.
- Make predictions; draw conclusions; make inferences; compare and contrast; understand cause and effect.

- Understand compound words.
- Use a dictionary pronunciation key to pronounce words.
- Complete analogies; find synonyms and antonyms; differentiate between multiple meanings of words; identify base words; classify words.

SCIENCE

- Continue to apply skills and steps needed for scientific inquiry; continue to demonstrate the steps of the scientific method.
- Continue to apply measurement skills.
- Apply important science safety procedures.
- Describe the function of the skeletal, muscular, circulatory, respiratory, digestive, excretory, and nervous systems in animals.
- Explore ways that living things can be classified; describe different types of microorganisms.
- Describe the functions of roots, stems, and leaves; explain the process of photosynthesis and respiration.
- List seven animal characteristics and classification; classify animals by their symmetry.
- Compare incomplete metamorphosis to complete metamorphosis; summarize how traits are passed from parent to offspring.
- Define adaptation; define and describe the types of symbiotic relationships.
- Determine the relationship among ecosystems, communities, populations, and habitats; identify the roles of producers, consumers, and decomposers.
- Describe the structure of Earth and distinguish among its crust, mantle, and core; create a model of a landform.
- Describe how the movement of plates builds mountains and causes earthquakes and volcanoes.
- Define and give examples of physical and chemical weathering.
- Carry out procedures for collecting data on weather conditions (including wind speed and direction, precipitation, and temperature) by using appropriate tools and instruments.
- Explain Earth's rotation and the moon's phases; define and describe the solar system, including the inner planets, outer planets, and stars.
- Describe matter as anything that takes up space, has mass, and has observable properties, regardless of its state.
- Differentiate a physical change and chemical change.
- Observe the transformation of energy (potential and kinetic).
- Identify different kinds of simple machines; explain how simple machines work together to make compound machines.
- Describe a simple electric motor and how it transforms energy into mechanical energy.

- Describe ways that electrical energy can be changed into heat energy, sound energy, mechanical energy, chemical energy, and light energy.
- Explain how water can be polluted, then cleaned for reuse; relate recycling and reusing matter to reduce waste on Earth.

SOCIAL STUDIES

- Explain the history and meaning of national symbols; the Constitution; identify important documents, places, and people in American history.
- Identify rights and responsibilities of U.S. citizenship and the importance of voting; identify differences between a monarchy and a constitutional government; identify the three levels of government.
- Use primary sources to acquire information.
- Identify the Cherokee culture and how the people lived before the Europeans came to America; describe the Ojibwa and the effects on their culture, the Navajo and the influence of the Spanish; describe the “Long Walk,” and the Tlingit life past and present.
- Describe the production and delivery process of a product; define profit and how it might change with opportunity; explain the difference between supply and demand, and economically interdependent.
- Describe the first inhabitants of America.
- Describe the roles of Jacques Marquette, Louis Joliet, and Lewis and Clark.
- Explain Westward movement; explain why immigrants came to the U.S.; compare the abolitionist movement and the women’s rights movement; identify causes of the Civil War; describe the Gold Rush and the Underground Railroad.
- Explain how people may be considered resources.
- Explain the differences between renewable and nonrenewable resources; identify resources of the areas studied.
- Identify the five geographic regions of the US, including climate and resources.
- Describe the regions of the Northeast, the Chesapeake Bay, Naragansett Bay, the Southwest, the Midwest, the Great Lakes, the Dust Bowl, the Southwest, the Pacific West, the West and statehood in each area.

SPELLING

- Spell long/short vowel sound (CVC, VCe, CVVC), consonant clusters/blends (**scr, str, squ, thr**), consonant digraphs (**sh, ch, wh, tch, ph**), vowel diphthongs (**oo, ow, ou, ew**), **r**-controlled vowels (**or, our, er, ir**), silent letter combinations (**kn, gn, wr, mb, ck**), and double consonants (**rr, ff, pp, tt, dd, bb, ss**).
- Identify and spell prefixes (**dis-, in-, mis-, re-**) and suffixes (**-ed, -ng, -er, -est, -s, -es, -ful, -ly, -ion, -less, -ment, -ness**).
- Identify compound words, contractions, homophones, and possessives.
- Recognize word patterns; classify spelling words to put them in groups.

- Use context clues to identify spelling words and complete writing assignments.
- Identify analogies, exaggerations, and rhyming words.
- Proofread to identify spelling, punctuation, and capitalization errors in written material.
- Use a dictionary and a thesaurus to expand vocabulary.
- Apply syllabication rules.