

MOUNT PROSPECT SCHOOL DISTRICT 57

Fourth Grade

Grade Level Objectives



**Mount Prospect
School District 57**

Curriculum Office
701 West Gregory
Mount Prospect, Illinois 60056
www.d57.org

Phone: 847-394-7300
Fax: 847-394-7311

LANGUAGE ARTS

READING

Reading Literature

A fourth grade student:

- Cites textual evidence to support inferences, identifies theme and literary elements, and summarizes text
- Makes connections/comparisons across texts and understands themes and topics as they appear across genres and identifies how each version reflects differences in literary elements (plot structure, use of genre, figurative language/language use)
- Understands the use of figurative language, examining the structure of literary genre and determining point of view
- Identifies the basic structure of poetry, drama, and stories
- Reads, studies, and discusses literature with a focus on the author's craft
- Learns to develop a personal point of view that is different from that of the author
- Reads and comprehends literature appropriate for fourth grade

Reading Informational Text

A fourth grade student:

- Cites textual evidence and makes inferences from informational text, determining central ideas and crafts a complete summary
- Uses text features to help comprehend text and to determine an author's point of view and purpose in writing a text
- Makes connections across texts, determines an author's purpose, provides the evidence that supports that purpose, and investigates similar themes and topics across texts
- Reads and comprehends informational text appropriate for fourth grade

Reading Foundational Skills

A fourth grade student:

- Builds knowledge of academic words
- Decodes text, understands word parts, and explains strategies for understanding and determining word meaning and to improve fluid reading and increased comprehension

WRITING/GRAMMAR

Writing

Apply the writing process to write for a variety of purposes.

A fourth grade student:

- Selects structures, precise language, tone and style to communicate a point of view and/or purpose to their audience
- Uses writing as a tool for thinking through issues, solving problems, constructing questions, conveying information, and expressing or critiquing real or imagined experiences
- Uses research to build and present knowledge
- Includes the research process (asking questions and searching for answers that may be presented in a variety of media)
- Uses correct grammar, spelling, punctuation, capitalization, and structure when writing a paragraph
- Applies the writing process:
 - Brainstorming
 - Drafting
 - Revising
 - Editing
 - Sharing
- Maintains focus and logical organization
- Uses relative pronouns (who, whose, whom, which, that, and relative verbs where, when, why)
- Forms and uses possessives
- Uses modal auxiliaries (e.g., can, may, must) to convey various conditions
- Understands use of homophones
- Uses compound sentence structures
- Uses transitions correctly between sentences
- Uses prepositions and adverbs to extend sentences
- Chooses words and phrases to convey ideas precisely
- Chooses punctuation for effect
- Explains the meaning of simple similes and metaphors in context
- Understands words by relating them to their opposites (antonyms) and words that are similar (synonyms)
- Recognizes and explains the meaning of common idioms, adages, and proverbs
- Uses figurative language

Language

A fourth grade student:

- Demonstrates quality ideas, organization, voice, word choice, sentence fluency, conventions
- Supports writing with details
- Writes for a variety of purposes and for a specific audience in a variety of forms including narrative, expository, and persuasive writings
- Acquires and uses accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal precise actions, emotions, or states of being (e.g., quizzed, whined, stammered) and that are basic to a particular topic (e.g., wildlife, conservation, and endangered when discussing animal preservation)
- Locates information from a variety of resources and technology
- Consults reference materials both print and digital

Speaking and Listening

A fourth grade student:

- Actively engages in collaborative learning
- Reports and responds in complete sentences when conveying information
- Includes audio and visual components to develop ideas and themes when appropriate
- Makes choices regarding pacing and the use of formal and informal language

Spelling

A fourth grade student:

- Spells fourth grade list words correctly
- Spells correctly in daily work
- Uses resources to locate correct spelling of misspelled words

Resources:

Reach for Reading, National Geographic Learning/Cengage Learning, ©2013
www.ngl.cengage.com/reachforreading

MATHEMATICS

Operations and Algebraic Thinking

A fourth grade student:

- Multiplies or divides to solve word problems involving multiplicative comparison (e.g., by using drawings and equations with a symbol for the unknown number)
- Finds all factor pairs for whole numbers in the range 1-100
- Generates a number or shape pattern that follows a given rule

Number and Operations in Base Ten

A fourth grade student:

- Adds and subtracts whole numbers quickly and accurately (numbers up to 1 million)
- Solves multi-step word problems with whole numbers including problems with remainders and problems with measurement
- Multiplies and divides multi-digit numbers

Number and Operations-Fractions

A fourth grade student:

- Understands and applies equivalent fractions
- Adds, subtracts, and multiplies fractions and solves related word problems
- Understands decimals in terms of fractions

Measurement and Data

A fourth grade student:

- Uses the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money involving simple fractions and decimals and measurement
- Measures angles and finds angles in a diagram
- Makes a line plot to display a data set of measurements in fractions of a unit

Geometry

A fourth grade student:

- Draws point, lines, line segments, rays, angles (right, acute obtuse), and perpendicular and parallel lines and identifies these in two-dimensional figures
- Recognizes a line of symmetry

Resources:

Math in Focus Singapore Math, Houghton Mifflin Harcourt, ©2015

<http://www.hmhco.com/shop/education-curriculum/math/math-in-focus-singapore-math>

SCIENCE

The fourth grade student explores the concepts of science through the following units:

Life Science - Environments

The **Environments Module** focuses on the concepts that organisms have structures and behaviors, including sensory receptors, that serve functions in growth, survival and reproduction, and living organisms depend on one another and on their environment for their survival and the survival of populations. Students design investigations to study preferred environments, range of tolerance, and optimum conditions for growth and survival of specific organisms. They conduct controlled experiments by incrementally changing specific environmental conditions to determine the range of tolerance for early growth of seeds and hatching of brine shrimp, and use these data to develop and use models to understand the impact of changes to the environment. They graph and interpret data from multiple trials of experiments and build explanations from evidence. Students gain experiences that will contribute to the understanding of crosscutting concepts of patterns; cause and effect; scale, proportion, and quantity; systems and system models; energy and matter; structure and function; and stability and change.

Earth Science – Soils, Rocks, and Landforms

The **Soils, Rocks, and Landforms Module** focuses on the concepts that weathering by water, ice, wind, living organisms, and gravity breaks rocks into smaller pieces, erosion (water, ice, and wind) transports earth materials to new locations, and deposition is the result of that transport process that builds new land. Students conduct controlled experiments by incrementally changing specific environmental conditions to determine the impact of changing the variables of slope and amount of water in stream tables. Students interpret data from diagrams and visual representations to build explanations from evidence and make predictions of future events. They develop model mountains and represent the landforms from different perspectives to look for change. Students gain experiences that will contribute to the understanding of crosscutting concepts of patterns; cause and effect; scale, proportion, and quantity; systems and system models; structure and function; and stability and change.

Physical Science - Energy

The **Energy Module** provides first-hand experiences in physical science dealing with energy and change. Students investigate electricity and magnetism as related effects and engage in engineering design while learning useful applications of electromagnetism in everyday life. They explore energy transfer through waves, repeating patterns of motion, that result in sound and motion.

The investigations focus on the concepts that energy is present whenever there is motion, electric current, sound, light, or heat, and that energy can transfer from one place to other. Students conduct controlled experiments by incrementally changing variables to determine how to make an electromagnet stronger and how the amount of energy transfer changes when balls of different masses hit a stationary object. Students interpret data from graphs to build explanations from evidence and make predictions of future events. They develop models to represent how energy moves from place to place in electric circuits and in waves. Students gain experiences that will

contribute to the understanding of crosscutting concepts of patterns; cause and effect; systems and system models; and energy and matter.

Resources:

Full Option Science System (FOSS) Next Generation

<http://www.fossweb.com>

SOCIAL SCIENCE

The fourth grade student focuses on the concepts of geographic studies by exploring five regions of the United States, and an integrated study of Illinois geography, history, economy, and government. Topics of study for each region include:

- State government
- Natural resources
- Commerce
- Regional history
- Ethnic groups
- Transportation/trade
- Regional culture
- Geographic features, climate, population, physical and human characteristics

Resources:

Social Studies Alive! Regions of Our Country, Teachers Curriculum Institute, ©2016

<http://www.teachtci.com>

CHARACTERISTICS OF SUCCESSFUL LEARNERS: ACADEMIC

Confidence/Effort

- A fourth grade student welcomes new opportunities, perseveres when learning new skills, invested in learning.

Citizenship

- A fourth grade student respects others, rules, and property, is caring and trustworthy, works effectively with others.

Responsibility

- A fourth grade student exhibits personal independence, takes responsibility for own behavior and accepts consequences, uses problem-solving skills.

Work Habits

- A fourth grade student pays attention, completes quality assignments, comes prepared to class.

PHYSICAL EDUCATION

A fourth grade student:

- Uses ball handling skills (throw, dribble, catch, roll, shoot, kick, etc.) in a variety of organized games and sports
- Develops combinations of body relationships (side by side, face to face, etc.) through rhythms and dance activities
- Participates in an environment that promotes physical fitness, sportsmanship, maximum effort, and enjoyment
- Understands rules and strategies increasing in complexity to enhance participation and emphasize safety
- Uses basic skills to manipulate and control objects with greater accuracy through the use of ropes, scooters, hoops, balls, bats, rackets, etc.
- Has opportunities to work on cooperation and joint decision making in team situations
- Refines educational gymnastic skills through the practice of stunts, tumbling, balance, and movement sequences
- Creates space for self, others, or objects in game situations

MUSIC

Performance Skills in the Classroom and in Concert Setting

A fourth grade student:

- Plays recorder with good tone, posture, and fingerings
- Sings with good vocal production and pitch (unison, rounds, and two-part harmony)
- Demonstrates stage presence
- Performs American Folk, Jazz, and World Music
- Demonstrates performance etiquette

Music Reading/Writing Skills

A fourth grade student:

- Reads melodic and rhythmic notation
- Creates music and lyrics
- Improvises melodies and accompaniments
- Uses musical vocabulary

Music Listening/Analyzing Skills

A fourth grade student:

- Analyzes musical forms (ABA, Chorus/Verse, Theme and Variations)
- Listens and responds to music with movement
- Listens and responds to music using music vocabulary to organize and express ideas
- Listens to and identifies musical ensembles

- Identifies cultural and historical contexts of music
- Compares music and other art forms (dance, visual art, etc.)

A fourth grade student demonstrates respect:

- Towards teacher
- Towards fellow students
- Towards instruments and equipment

Fourth grade Chorus is available both at Lions Park and Fairview Elementary Schools.

Resources:

Share the Music, McGraw-Hill, ©1998

ART

A fourth grade student:

- Understands and uses the basic rules of perspective in two and three-dimensional art
- Continues development for expressing mood or emotion in works of art
- Identifies and uses color value and color schemes, contrast, and proportion
- Refines skills in drawing, painting, and construction techniques
- Identifies the role art plays as it pertains to the fourth grade curriculum
- Develops skills to creatively solve problems encountered in drawing, painting, and constructing works of art
- Utilizes the “Creative Process” when developing a project

District 57 has adopted Olweus Bullying Prevention Program materials to be used for classroom-based instruction and school-wide implementation. District 57 staff members teach students age-appropriate positive behavior expectations to achieve the goal of providing a safe and caring learning environment.

Resources:

Olweus Bullying Prevention Program, Hazelden Publishing,
<http://www.violencepreventionworks.org/public/index.page>