

**Expectations** describe concepts, knowledge and/or skills that will be instructed and assessed at each grade level. Since a student's developmental level cannot be determined solely by grade level, individual students will be at varying stages in their development. Teachers will assess student performance and plan instructional tasks and experiences in order to maximize a student's progress towards the attainment of the expectations.

### **Language Arts/Communication**

#### **A fourth grader will read and understand a variety of materials by**

- using decoding skills to attack new words.
- reading fluently with understanding and expression.
- compare/contrast characters
- compare/contrast settings of stories.
- categorize literary works: realistic fiction, nonfiction, historical fiction, fantasy, tall tales, and biography.
- comprehending intended meaning from print:
  - identify supporting details
  - support predictions
  - identify cause and effect
  - draws conclusions
  - summarize
  - identify main idea
  - context clues
  - use of self correction strategies

#### **A fourth grader will write competently for a variety of purposes by**

- using these steps in writing: prewriting, writing, revising, editing and publishing.
- Composing stories using characters, setting, and plot with a beginning, middle and ending.
- Applying revision steps by improving sequence, providing more descriptive detail, adding more variety of sentence types and correcting grammatical errors.
- independently learning the positions of the keyboard letters.
- Writes in cursive.

#### **A fourth grader will speak competently for a variety of purposes by**

- chooses comments and questions related to the discussion topic.
- participates in discussions.
- models effective speaking behaviors:
  - eye contact with audience
  - appropriate volume
  - staying on the topic
  - using correct language
  - asking meaningful questions after listening

#### **A fourth grader will listen effectively for a variety of purposes by**

- demonstrating effective listening behaviors:
  - sitting quietly
  - eye contact with speaker

- recalling material after listening to print and nonprint sources
- listening to other's opinions
- following oral directions

#### **A fourth grader will locate, select, and organize information by**

- using accessed electronic information
- using organizational text features:
  - glossaries
  - headings
  - index
  - guide words
  - key words
- locating relevant information using the dictionary, glossaries, encyclopedia, almanac and atlas.
- use biographical sources to find specific information on prominent people.
- use the electronic catalog to search and locate IMC materials.

#### **A fourth grader will demonstrate correct use of English language in writing and speaking by**

- uses a capital at the beginning of sentences, with proper nouns and titles.
- Uses correct punctuation
- uses commas in a series, compound sentences, dates, letter greetings and closings.
- writing with few significant errors in spelling.
- identify basics part of speech:
  - nouns
    - proper nouns
    - common nouns
    - singular nouns
    - plural nouns
  - verbs
  - action
  - pronouns
  - adjectives
- uses spelling skills (ex: root words, suffix, prefix, etc)
- spelling Sitton Spelling no excuse words at fourth grade level.

#### **A fourth grader will participate in the Accelerated Reader Program by**

- summarizing
- use of self correction strategies
- engaging in sustained silent reading each day for at least 30 minutes
- selects a variety of reading materials within their reading range (fiction, nonfiction, biography, etc)

## 4<sup>th</sup> Grade Performance Expectations

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- expanding vocabulary through independent reading.
- comprehending of books read by scoring 80% or higher on Accelerated Reading Tests.
- reading fluently by scoring at the instructional or mastery levels when given a fourth grade reading probe.
- write basic multiplication products (100 facts in 4 min.).
- write basic division quotients (100 facts in 4 min.).
- mentally add, subtract, multiply, and divide basic combinations of whole numbers with accuracy.
- accurately add, subtract, multiply (one and two digit multiplier), and divide (one place divisor) whole numbers.
- accurately add and subtract fractions with like denominators.
- round to nearest 1000 and 10,000.
- estimate whole numbers to nearest 10, 100, 1000.
- estimate money to the nearest dollar.
- demonstrate the properties of and the relationships among addition, subtraction, multiplication (e.g. reversing the order of two addends does not change the sum, multiplication is repeated addition).
- formulate mathematical problems from everyday situations.

## Math

### Number and Number Sense

#### A fourth grader will

- read, write, order, and compare whole numbers to the hundred millions' place.
- distinguish halves, thirds, fourths, sixths, eighths and sixteenths.
- add and subtract fractions with like denominators.
- write numbers in expanded form.
- write numbers with tenths.
- write tenths in decimal and fraction form.
- use models to identify, order, and compare numbers (e.g. number line, coins, pictures, fraction pieces, clocks, pattern blocks).
- record relationships of fractions (greater than, less than and equivalent).

### Problem Solving

#### A fourth grader will

- apply strategies:
  - using number sentences.
  - interpret and create patterns.
  - using estimation.
  - making organized lists/tables.
  - make a picture or diagram.
- verify solutions.
- solve multi-step problems.
- demonstrate logical reasoning.
- demonstrate relevant information/disregarding irrelevant information.
- choose an appropriate operation (add, subtract, multiply, divide) to solve problems.
- illustrate that there are various ways to solve a mathematical problem.
- demonstrate the appropriate use of rulers, scales and calculators for solving problems and verifying computations.
- communicate mathematical reasoning to others.

### Number Operations

#### A fourth grader will

- write basic addition sums (100 facts in 4 min.).
- write basic subtraction differences (100 facts in 4 min.).

## Algebra

### A fourth grader will

- choose a simple number sentence to be used to solve a problem.
- solve simple number sentences containing one variable.
- generate a pattern name for a set of numbers.
- generate a set of numbers for a given pattern.
- write shape names for the sequence of a pattern (example: square and triangle).
- write the sequence of a pattern using letters (example: abab).

## Geometry

### A fourth grader will

- define the characteristics of quadrilaterals (rectangles, squares, rhombuses, trapezoids).
- define the characteristics of triangles, hexagons, and octagons.
- define right/90 degree angles.
- discriminate between parallel, perpendicular, and intersecting lines.
- match congruent shapes.
- discriminate between two-dimensional (plane) figures and three-dimensional figures.
- discriminate between rectangular prisms, cones, cylinders, and pyramids.
- create symmetrical shapes.

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### **Measurement**

- compute and measure the perimeter and area of polygons
- compute the area of squares and rectangles.
- measure to nearest 1/2".
- use and estimate the appropriate metric and standard units of inches, feet, yards, meters, centimeters, ounces, pounds, grams, kilograms, cups, pints, quarts, gallons to measure weight, length, time and money.
- describe how digit on finger = 1 inch, width of finger – 1 cm, a nickel = 5 g.
- measure using cups, pints, quarts and gallons.
- compare and describe relationships between cups, pints, quarts, and gallons.
- use scale of miles/kilometers to compute distance on a map.
- compare/contrast scale drawings of objects.
- diagram concept of counting back change.
- use >, <, and = to compare standard measurements.
- use >, <, and = to compare metric measurements.

### **Data**

- collect and organize data (daily weather temperature).
- display data in simple bar and line graphs.
- interpret information from graphs to make predictions and draw conclusions.
- differentiate probability using the terms: certain, very likely, unlikely, impossible, least likely, most likely, no chance, not possible, greatest chance, least chance.

### **Science**

#### **A fourth grader will**

- use scientific thinking processes to conduct investigations and build explanations: observing, communicating, comparing, and organizing.

### **Ideas and Investigations**

#### **A fourth grader will**

- design and conduct a simple investigation using equipment to gather scientific data (e.g. rulers, thermometers, magnifiers, microscopes, and calculators).
- explore the techniques of chromatography, rubbing, carbon printing, and mirror imagery.
- Compare and contrast the three basic types of fingerprints (whorl, loop, arch).
- Plan and conduct simple investigations.

### **Weather**

#### **A fourth grader will**

- measure temperature using thermometers.
- demonstrate how a material can exist in different states of a solid, liquid, or gas.
- describe the states of matter and how they change from solid to liquid and liquid to gas.
- forecast the impact of living things on environment (e.g. endangered species, smog, and litter).
- calculate the relationship of the four weather ingredients (temperature, air pressure, wind and precipitation) and how they affect our weather.
- identify weather instruments used to gather four weather ingredients (anemometer, thermometer, barometer, rain gauge).
- Identify types of clouds (cirrus, stratus, cumulus)

### **Electricity/Magnetism**

#### **A fourth grader will**

- understand and construct simple open, closed, parallel, and series circuits.
- acquire vocabulary associated with magnetism and electricity.
- Observe how permanent magnets work.
- Identify materials that are conductors and insulators.

### **Solar System**

#### **A fourth grader will**

- illustrate the relationships of the Earth, moon, sun and planets in the solar system.
- determine the relationship between planet rotation and length of day.
- determine the relationship between planet revolution and seasons/year.
- demonstrate the basic effect of gravity on objects.
- Identify the planets and some of their characteristics.
- Identify seasons and characteristics of each.

### **Social Studies**

#### **A fourth grader will**

- illustrate the location of important places (e.g. 50 states, 50 capitals, large cities, rivers, historic sites, land forms, and locations of places discussed in other curricular areas).
- record United States regions as applied to location and place.

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- comparing renewable and non-renewable resources.
- recognize locations of major natural resources and the implication for life choices.
- determine economic activities that use natural resources in a region, state or nation (e.g. agriculture, mining, fishing, and forestry) and the importance of the activities.
- record the causes and consequences of a few significant historical events/people and the impact that these events/people have had on the present.
- illustrate how people and cultures are interdependent in communities and regions (e.g. in terms of goods and services).
- describe how different people living in the same region maintain different ways of life.
- apply electronic information gathering skills.
- interpret information from maps.(cardinal and intermediate directions, legends, keys)
- use latitude and longitude to locate places in the United States.
- define lake, river, peninsula, ocean, continent, country, state, border, city, capital, port, mountain, plateau, plain, bay, gulf, area, population, and statehood.

### Health

A fourth grader will apply knowledge gained from concepts presented under the following topics:

- community safety
- Teeth
- digestive system
- smoking
- my body
- hygiene
- drug free
- Hearing

\* These topics all meet the requirements of the eight national standards for health education.

### Music

#### **A fourth grader will**

- be able to match pitch within a range of notes.
- sing with appropriate diction and expression.
- sing varied styles of music.
- chorally respond to the cues of a conductor.
- sing or play music in multiple parts.

#### **A fourth grader will**

- accurately read and clap rhythm patterns using quarter, eighth, half, whole, triplet, and syncopated rhythms.
- recognize basic signs and symbols written in choral and instrumental music.
- play a recorder.
- perform independent instrumental parts.
- compose.

#### **A fourth grader will**

- respond to the mood of piece of music through movement and choreography.
- verify the influence of other cultures and genres on the music we listen to today.
- identify various styles of music.
- model the use of music media.

#### **A fourth grader will**

- identify groups of performers (e.g. symphonic band, orchestra, chorus, solo, combos).
- evaluate and critique performances.
- set goals for class performances.
- demonstrate appropriate audience behavior.
- demonstrate appropriate performance behavior.

### Physical Education

#### **Movement skills**

##### **A fourth grader will**

- use appropriate sequences and combinations of movement patterns (e.g. locomotor, rhythmic, sports, and dance).
- create rhythm patterns and dances.
- use control in spatial and balance awareness in a variety of basic games.

#### **Manipulative skills**

##### **A fourth grader will**

- use age-appropriate object control skills (e.g. catch, dribble, and throw).
- use basic sport skills to participate in team games.
- use basic offensive and defensive strategies in game situations.

#### **Physical fitness**

##### **A fourth grader will**

- use technology (heart monitors) to gauge appropriate activity level in class.
- use heart monitors to take home for self-remediation or enrichment purposes.

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- take part in safe physical fitness testing using technology.
- demonstrate posture efficiency and cardiovascular activities daily in class.

## Art

### **Drawing**

#### **A fourth grader will**

- develop the skills to blend and manipulate colored pencils.
- demonstrate that mediums can be added together to create added texture.
- name various artists who work with pencil, ink, colored pencil, oil pastel, and chalk.
- apply visual symbols to his or her own work.

### **Painting**

#### **A fourth grader will**

- use the brush appropriately when painting.
- use the paints appropriately when painting on two and three dimensional forms.
- demonstrate that mediums can be added together to create added texture.
- name various artists who work with watercolor, tempera, acrylics, and mixed media.

### **Ceramics**

#### **A fourth grader will**

- create larger sculptures out of clay.
- demonstrate how to use blending techniques.
- illustrate how creations in clay can be functional as well as for decoration.
- identify what tools can be used to create a sculpture out of clay.
- name artists who work with clay.

### **Mixed media and sculpture**

#### **A fourth grader will**

- create with recycled materials to create a three-dimensional work.
- name various artists who use materials to create sculptures.
- demonstrate the concept of three dimensions.
- apply media, techniques, and processes with sufficient skill, confidence, and sensitivity.
- describe how artworks differ visually, spatially, temporally, and functionally, and describe how these are related to history and culture.
- describe the function and explore the meaning of specific art objects within varied cultures, times, and places.

## Guidance

### **Self acceptance**

#### **A fourth grader will**

- describe feelings associated with teasing/criticism.
- record personal strengths and weaknesses.
- identify feelings associated with loss.
- name the stages of the grief process and apply them to his/her own losses.
- discuss the meaning and causes of death.
- translate the importance of saying good-bye in a loss situation.

### **Relationships**

#### **A fourth grader will**

- determine why peers tease/criticize.
- demonstrate ways to deal with teasing situations.
- use "I messages".
- model what to say or do when someone is grieving.

### **Educational skills**

#### **A fourth grader will**

- practice listening skills.
- determine the importance of having a positive attitude.
- Demonstrate the character count traits (fairness, trustworthiness, citizenship, responsibility, respect, caring)

## IMC

#### **A fourth grader will**

- order fiction books by title when having the same author.
- locate a nonfiction book using the call number.
- use a book's index to locate information.
- locate specific information using an almanac (both paper and electronic).
- use a thesaurus to find alternative word choices (both paper and electronic).
- use 2 biographical sources to find specific information about people (both paper and electronic).
- use 2 sources to find specific information about one of the 50 states (both paper and electronic).
- use the electronic World Book to locate specific information.