

GRADE THREE

HEALTH

LANGUAGE ARTS

Language Arts continues to be a priority in third grade in order to get the students PARCC ready. Students review how to write paragraphs, using descriptive words, sensory details and personal voice. They will write personal narratives using the writing process by using graphic organizers to help organize thoughts, transform ideas and provide sequencing words. Students also write summaries and persuasive paragraphs addressed to different audiences. All these skills help students learn how to respond to open-ended question. Grammar, mechanics, spelling skills, and usage will all be practiced and reviewed throughout the year. Speaking skills will also be practiced daily.

MATHEMATICS

In grade three, students will begin the year with developing an understanding of addition and subtraction within 1,000. They will be able understand place value and estimation. Through modeling, various strategies, and problem solving, students will be able to master these skills. Next, students will work on representing and interpreting data. They will solve problems using bar and picture graphs as well as line plots. Students will learn multiplication facts through the use of properties (associative, distributive, commutative). Students will develop an understanding of fractions as numbers. They will be able to compare numbers. Model equivalent fractions, and locate fractions on a number line. In measurement, students will be able to solve problems using time, length, liquid volume and mass. In geometry, students will be able to distinguish between area and perimeter. They will use concepts of addition and multiplication to solve word problems. They will describe and analyze two-dimensional shapes and their attributes. Students will be introduced to division by understanding the inverse operation of multiplication. Students will demonstrate their mastery of multiplication and division facts within 100.

- I. Addition and Subtraction Within 1,000
 - A. Number Patterns (Algebra)
 - B. Round to the Nearest Ten or Hundred
 - C. Estimate Sums
 - D. Mental Math Strategies for Addition
 - E. Use Properties to Add (Algebra)
 - F. Use the Break-Apart Strategy to Add
 - G. Use Place Value to Add
 - H. Estimate Differences
 - I. Mental Strategies for Subtraction

- J. Use Place Value to Subtract
- K. Combine Place Values to Subtract
- L. Model Addition and Subtraction (Problem Solving)
- II. Represent and Interpret Data
 - A. Organize Data (Problem Solving)
 - B. Use Picture Graphs
 - C. Make Picture Graphs
 - D. Use Bar Graphs
 - E. Make Bar Graphs
 - F. Solve Problems Using Data
 - G. Use and Make Line Plots
- III. Understand Multiplication
 - A. Count Equal Groups
 - B. Relate Addition and Multiplication (Algebra)
 - C. Skip Count on a Number Line
 - D. Model Multiplication (Problem Solving)
 - E. Model with Arrays
 - F. Commutative Property of Multiplication (Algebra)
 - G. Multiply with 1 and 0 (Algebra)
- IV. Multiplication Facts and Strategies
 - A. Multiply with 2 and 4
 - B. Multiply with 5 and 10
 - C. Multiply with 3 and 6
 - D. Distributive Property (Algebra)
 - E. Multiply with 7
 - F. Associative Property of Multiplication (Algebra)
 - G. Patterns on the Multiplication Table (Algebra)
 - H. Multiply with 8
 - I. Multiply with 9
 - J. Multiplication (Problem Solving)
- V. Use Multiplication Facts
 - A. Describe Patterns (Algebra)
 - B. Find Unknown Factors (Algebra)
 - C. Use the Distributive Property (Problem Solving)
 - D. Multiplication Strategies with Multiples of 10
 - E. Multiply Multiples of 10 by 1-Digit Numbers
- VI. Understand Division
 - A. Model Division (Problem Solving)
 - B. Size of Equal Groups
 - C. Number of Equal Groups
 - D. Model with Bar Models

- E. Relate Subtraction and Division (Algebra)
- F. Model with Arrays
- G. Relate Multiplication and Division (Algebra)
- H. Write Related Facts (Algebra)
- I. Division Rules for 1 and 0 (Algebra)

VII. Division Facts and Strategies

- A. Divide by 2
- B. Divide by 10
- C. Divide by 5
- D. Divide by 3
- E. Divide by 4
- F. Divide by 6
- G. Divide by 7
- H. Divide by 8
- I. Divide by 9
- J. Two-Step Problems (Problem Solving)
- K. Order of Operations

VIII. Understand Fractions

- A. Equal Parts of a Whole
- B. Equal Shares
- C. Unit Fractions of a Whole
- D. Fractions of a Whole
- E. Fractions on a Number Line
- F. Relate Fractions and Whole Numbers
- G. Fractions of a Group
- H. Find Part of a Group Using Unit Fractions
- I. Find the Whole Group Using Unit Fraction (Problem Solving)

IX. Compare Fractions

- A. Compare Fractions (Problem Solving)
- B. Compare Fractions with the Same Denominator
- C. Compare Fractions with the Same Numerator
- D. Compare Fractions
- E. Compare and Order Fractions
- F. Model Equivalent Fractions
- G. Equivalent Fractions

X. Time, Length, Liquid Volume, and Mass

- A. Time to the Minute
- B. A.M. and P.M.
- C. Measure Time Intervals
- D. Use Time Intervals
- E. Time Intervals (Problem Solving)

- F. Measure Length
- G. Estimate and Measure Liquid Volume
- H. Estimate and Measure Mass
- I. Solve Problems About Liquid Volume and Mass

XI.. Perimeter and Area

- A. Model Perimeter
- B. Find Perimeter
- C. Find Unknown Side Lengths (Algebra)
- D. Understand Area
- E. Measure Area
- F. Use Area Models
- G. Area of Rectangles (Problem Solving)
- H. Area of Combined Rectangles
- I. Same Perimeter, Different Areas
- J. Same Area, Different Perimeters

XII. Two-Dimensional Shapes

- A. Describe Plane Shapes
- B. Describe Angles in Plane Shapes
- C. Identify Polygons
- D. Describe Sides of Polygons
- E. Classify Quadrilaterals
- F. Draw Quadrilaterals
- G. Describe Triangles
- H. Classify Plane Shapes (Problem Solving)
- I. Relate Shapes, Fractions and Areas

PENMANSHIP

The main objective of Penmanship is to review manuscript and spacing, teach proper formation of lowercase and uppercase cursive letters and to incorporate cursive writing into everyday writing.

I. Skills

- A. Practice pages
- B. Activities that include modeling, practice, and self-evaluation
- C. Emphasize keys to legibility – shape, size, spacing, slant
- D. Write using proper paper and pencil position and basic strokes

II. A Review of Manuscript Writing

- A. Pretest: Write a Poem
- B. Writing Positions: Left-Handed Writers

- C. Writing Positions: Right-Handed Writers
- D. Basic Strokes: Vertical and Horizontal Lines
- E. Basic Strokes: Circle and Slant Lines

III. Manuscript Writing

- A. Legibility – Shapes and Size
- B. Legibility – Spacing and Slant
- C. Letters
 1. Ll, Ii
 2. Tt, Oo
 3. Aa, Dd
 4. Cc, Ee
 5. Ff, Gg
 6. Jj, Qq
 7. Uu, Ss
 8. Bb, Pp
 9. Rr, Nn
 10. Mm, Hh
 11. Vv, Yy
 12. Ww, Xx
 13. Kk, Zz
- D. Writing Numerals

IV. Cursive Writing.

- A. Cursive Letters and Numerals
- B. Reading Cursive Writing
- C. Writing Positions: Left-Handed Writers
- D. Writing Positions: Right-Handed Writers
- E. Basic Strokes: Undercurve
- F. Basic Strokes: Downcurve
- G. Basic Strokes: Slant
- H. Legibility - Shape
- I. Legibility – Size
- J. Legibility – Spacing
- K. Legibility – Slant

V. Lowercase Cursive Letters

- A. Write lowercase cursive letters: i, l, u, w, l, b
- B. Joinings
- C. Write lowercase cursive letters: h, f, k, r, s, j, p
- D. Write lowercase cursive letters: a, d, g, o, c, q
- E. Write lowercase cursive letters: n, m, y, x, v, z
- F. Write cursive numerals
- G. Write cursive number words

VI. Uppercase Cursive Letters

- A. Write uppercase cursive letters: A, O, D, C, E
- B. Write uppercase cursive letters: Y, Z, V, W, X
- C. Joinings
- D. Write uppercase cursive letters: I, J, Q, T, F
- E. Write uppercase cursive letters: G, S, L, P, R, B

VII. Using What You have Learned

- A. Writing a paragraph
- B. Handwriting and the Writing Process

READING

In third grade, students will be exploring various genres. They will be reading fiction selections such as fantasies, realistic fiction, mysteries, fables, and poems. They will also be reading non-fiction selections such as expository and narrative non-fiction texts, magazine articles and personal narratives. They will be able to identify the setting, characters and plot of a selection. Students will improve their fluency and decoding skills by reading aloud in small groups and independently. They will be able to retell a story through writing and will answer comprehension questions with supporting details.

SCIENCE

In third grade, students learn about the Earth's features, living and non-living things, ecosystems around the world, earth's resources, weather and space. In the space unit, students learn about the planets, moons and stars. The students use the scientific method while completing hands-on labs throughout the year. Writing and reading activities are incorporated.

I. A Look at Living Things

- A. Living Things and Their Needs
- B. Plants and Their Parts
- C. Animals and Their Parts
- D. Classifying Animals

II. Life Science

- A. Plant Life Cycles
- B. Animal Life Cycles
- C. From Parents to Young

III. Living Things in Ecosystems

- A. Living Things Change Their Environments

- B. Changes Affect Living Things
- C. Living Things of the Past
- D. Observing Artifacts (Lab)

IV. Earth Changes

- A. Earth's Features
- B. Sudden Changes to Earth
- C. Weathering and Erosion
- D. "Building a Volcano" (Lab)

V. Changes in Weather

- A. Weather
- B. The Water Cycle
- C. Climate and Seasons

VI. Planets, Moons, and Stars

- A. The Sun and Earth
- B. The Moon and Earth
- C. The Planets

VII. Observing Matter

- A. Properties of Matter
- B. Measuring Matter
- C. Solids, Liquids, and Gases
- D. Observing Matter Properties (Lab)

IX. Changes in Matter

- A. Changes of State
- B. Physical Changes
- C. Chemical Changes
- D. Physical vs. Chemical Change (Lab)

SOCIAL STUDIES

In third grade, students will review geography skills. Then the theme of community living is developed as different types of communities, geography and natural resources are discussed. Native American and early American communities will be described, Students learn about each of the fifty states through a State of the Week project. Each week, the girls and boys in the class will be assigned a different state. They will research its capital, state bird, flower, and find five interesting facts. Also, students will learn about important holidays and days observed throughout the year.

I. Living in Communities

- A. Looking at a Community
- B. Communities Across the United States
- C. Using Map Scales (Geography Skills)
- D. A Community in Mexico (Global Connection)

II. Communities and Geography

- A. Our Country's Geography
- B. Caring for Our Natural resources
- C. Using Intermediate Directions(Geography)
- C. A Fishing Community in Peru (Global Connection)
- D. Understanding Hemispheres (Geography)

III. A Native American Community at Mesa Verde

- A. Native American Communities
- B. The Geography of Mesa Verde
- C. Mesa Verde Long Ago
- D. Mesa Verde Today

IV. An English Colony at Jamestown

- A. The Geography of Jamestown
- B. Jamestown Long Ago
- C. Jamestown Today
- D. Reading Time Lines

V. A Spanish Mission in San Francisco

- A. The Geography of San Francisco
- B. San Francisco Long Ago
- C. San Francisco Today
- D. Reading Bar and Line Graphs

VI. Holidays

- A. Veteran's Day
- B. Thanksgiving
- C. Pearl Harbor Day
- D. Martin Luther King, Jr. Day
- E. Presidents' Day
- F. Christmas, Hanukkah, Kwanzaa
- G. Cinco De Mayo
- H. Memorial Day

SPELLING

Students will classify word relationships and use prefixes and suffixes to determine word meaning. They are given a new spelling list each week and are required to spell the word correctly, understand its meaning, and use it correctly when writing.