FOURTH GRADE

LANGUAGE ARTS

English Language Arts for Grade 4 covers three areas of competency: Reading, Writing, Spelling and Grammar. In Reading, students work with a range of genres from realistic fiction, historical fiction, biography, fables, expository text, fiction, and poetry, developing sufficient accuracy and fluency to support overall comprehension, as well as to determine a theme, describe in depth a character, setting or event, and compare and contrast narrative points of view. Throughout our reading work, students develop and apply grade-level phonics and word analysis skills in decoding words. In Writing, students learn to produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. We start off the year with a personal narrative, followed by a cross-curricular research piece related to social studies, and poetry, persuasive essays, and biographies round out the year. Students strengthen their writing skills, as needed, through focused efforts in planning, revising, and editing. Grammar is focused on ensuring students can (1) use their knowledge of language and its conventions when writing, speaking, reading, or listening, (2) demonstrate an understanding of figurative language, word relationships, and nuances in word meanings, and (3) determine meaning of unknown and multiple-meaning words and phrases.

READING STRATEGIES CURRICULUM 4th GRADE

Unit 1: Reading Comprehension & Analyzing Text

Understanding Author's Purpose

TEKS: 4.10A, 4.10B, 4.10C

Key Topics: Author’s purpose (persuade, inform, entertain)

Activities: Identifying author’s intent, reading various texts with different purposes.

Making Inferences & Drawing Conclusions

TEKS: 4.6F, 4.7B

Key Topics: Inference strategies, using context clues, drawing conclusions.

Activities: Interactive discussion and inferring from short passages.

Point of View

TEKS: 4.10E

Key Topics: Determine the point of view (first-person, second person, third-person limited) of a story and explain how the point of view affects the content. Describe the role of the narrator or speaker in a story or poem.

Activities: POV packet and writing assignment [see writing curriculum]

Unit 2: Analysis of Nonfiction Texts

Summarizing Nonfiction

TEKS: 4.7A, 4.9A

Key Topics: Identifying main ideas and supporting details, summarizing nonfiction texts.

Activities: Summarization exercises, fact vs. opinion activities, too much v.s. too little activities.

Analyzing Text Features & Graphics

TEKS: 4.7D, 4.7E

Key Topics: Analyzing charts, graphs, diagrams, and other text features.

Activities: Interpreting graphics, comparing text with and without visuals.

Unit 3: Introduction to Fiction Texts

Discussion of the different genres of fiction

TEKS: 4.8, 4.9

Key Topics: Short Stories, Poetry, Fantasy, Realistic, Science Fiction

Activities: Virtual Exploration of Various Genres and Types of Writing, discussion of what is similar and different, brief discussions about the craft of fiction. In-class reading will begin here.

Story Elements (Plot, Setting, Characters)

TEKS: 4.6B, 4.6C, 4.6D

Key Topics: Plot structure, main characters, setting, conflict, and resolution.

Activities: Plot diagrams, story structure maps, character analysis diagrams, conflict identification activities. Analyze in-class reading text.

Meaning and Tone

TEKS: 4.9

Key Topic: Sensory Details, Emotion, Mood, Meaning, Tone, Language

Activities: Learning about sensory details, identifying and comparing sensory details. Understanding how to analyze meaning and tone through clues in the text to help understand the author's purpose and make predictions.

Unit 4: Poetry and Figurative Language

Analyzing Poetry

TEKS: 4.6A, 4.6B

Key Topics: Poetic forms, rhythm, rhyme, critical analysis.

Activities: Breaking poems down into stanza, rhyme scheme, and meaning. Analyzing different types of poems.

Figurative language

TEKS: 4.9B

Key Topics: Personification, Simile, Metaphor, Idiom, Allegory.

Activities: Analyzing various examples of figurative language found in text, especially the in-class reading text. Spectrum LA exercises.

How to Use Figurative Language to Better Understand Texts

Activities: Exposure to different types of figurative language usage and comprehension questions.

Unit 5: Vocabulary and Reading Strategies

Contextual Analysis

TEKS: 4.3B, 4.3C, 4.3D

Key Topics: Context Clues, Multiple-Meaning Words, Synonyms and Antonyms

Activities: Learn how to deduce the meaning of a word through context clues, various examples from different types of texts, multiple-meaning words flashcards, in-class practice in using a thesaurus to find synonyms and antonyms. Spectrum LA exercises.

Analysis and Reading of Different texts

Key Topics: Informational Writing, Realistic Fiction, Historical Fiction, Poetry

Activities: Reading Comprehension Exercises and Tests to revise and reinforce all techniques previously learned.

Assessment: Reading Comprehension Tests given weekly. Classwork/Homework assignments. Group discussion Assignments. Vocabulary Tests given weekly.

WRITING CURRICULUM

Sequential Writing

TEKS: 4.9D

Focus: Transition and Sequence Words, Telling a Story in a Clear and Logical Order.

Activities: Writing Prompt

Editing and Revising Writing

TEKS: 4.11A 4.11B

Focus: Revision Techniques, Using Feedback for Improvement

Activities: Focus on improving clarity and grammatical mistakes, final draft of the sequential writing.

Importance of POV and Dialogue

TEKS: 4.10C, 4.10E

Focus: Staying consistent in POV when writing. Understanding the difference between narration and dialogue

Activities: Writing Exercise

Summarizing Nonfiction

TEKS: 4.7A, 4.7D, 4.9A

Focus: Identifying main ideas and supporting details, creating individual summaries.

Activities: Summarize a two-page long non-fiction text.

Introduction to Expository Writing

TEKS: 4.9D, 4.11D, 4.12B

Focus: Understanding the purpose and structure of expository writing

Activities:

- Discuss what expository writing is and its purpose.
- Review the structure: introduction, body, conclusion.
- Plan a simple expository essay on a familiar topic.

Organizing and Structuring Ideas

TEKS: 4.11D

Focus: Organizing ideas into a clear structure.

Activities:

- Create an outline with main ideas and supporting details.
- Practice writing clear topic sentences and supporting evidence.

Writing the Introduction and Body Paragraphs

TEKS: 4.11D

Focus: Crafting the introduction and body of the essay.

Activities:

- Write the introduction with a hook and thesis statement.
- Develop body paragraphs with topic sentences and supporting details.

Writing the Conclusion and Final Draft

TEKS: 4.11D, 4.14A

Focus: Writing a strong conclusion and finalizing the essay.

Activities:

- Discuss how to conclude an essay effectively.
- Write and revise the conclusion.
- Submit final draft.

Introduction to Narrative Writing

TEKS: 4.11A, 4.11B

Focus: Elements of a story (character, setting, plot, problem, resolution)

Activities:

- Brainstorm ideas for personal stories.
- Practice writing a simple story using a story map.
- Discuss narrative arc (beginning, middle, end).

Writing the Beginning and Setting

TEKS: 4.11A

Focus: Creating an engaging beginning; setting up the scene.

Activities:

- Discuss the importance of a hook and setting.
- Write an introduction to a narrative.

Developing Characters and Plot

TEKS: 4.11A

Focus: Developing strong characters and a plot with clear conflict.

Activities:

- Create character profiles.
- Plan plot structure: What is the problem and how is it resolved?
- Write the middle of the story.

Writing the Ending and Conclusion

TEKS: 4.11A

Focus: Writing a satisfying conclusion to the narrative.

Activities:

- Practice writing different types of endings.
- Work on tying up the story's loose ends.

Editing and Revising Narrative Writing

TEKS: 4.14A, 4.14B

Focus: Revision techniques; using feedback for improvement.

Activities:

- Self-editing.
- Focus on improving clarity, details, and sentence structure.
- Final draft submission.

Introduction to Opinion and Persuasive Writing

TEKS: 4.11C, 4.12C

Focus: Understanding the purpose and structure of opinion writing.

Activities:

- Discuss what makes an argument persuasive.
- Brainstorm topics for opinion writing.
- Identify clear opinion statements and reasons.

Organizing Ideas and Writing an Opinion Statement

TEKS 4.12C

Focus: Crafting an opinion statement and supporting it with reasons.

Activities:

- Practice writing a clear opinion statement.
- Organize supporting details and reasons.
- Write an outline for an opinion essay.

Writing the Introduction and Body Paragraph

TEKS 4.12C

Focus: Writing the introduction and body paragraphs of an opinion essay.

Activities:

- Write an engaging introduction with a clear opinion.
- Develop body paragraphs with reasons and examples.

Writing the Conclusion

TEKS: 4.11C, 4.12C

Focus: Concluding the essay persuasively.

Activities:

- Write a strong conclusion that restates the opinion.

Writing Free Verse Poetry

TEKS: 4.9B, 4.12A

Focus: Writing poems without a set structure.

Activities:

- Brainstorm ideas for a free verse poem.
- Write and revise a free verse poem.

Writing Haiku and Limericks

TEKS: 4.9B, 4.12A

Focus: Learning about structured poems like haiku and limericks.

Activities:

- Study the structure of haiku (5-7-5 syllables) and limericks.
- Write a haiku and a limerick based on a chosen theme.

Using Figurative Language in Poetry

TEKS: 4.9B, 4.12A

Focus: Incorporating figurative language like similes, metaphors, and personification.

Activities:

- Identify figurative language in poems.
- Write poems using similes, metaphors, and personification.

Poetry Presentation and Reflection

TEKS: 4.9B, 4.12A

Focus: Presenting poetry and reflecting on writing growth

Introduction to Research Papers

TEKS: 4.13

Focus: Understanding the research process and writing.

Activities:

- Discuss the purpose of research writing.
- Practice finding credible sources.
- Start a research project on a chosen topic.

Gathering Information and Organizing Ideas

TEKS: 4.13

Focus: Collecting information from different sources.

Activities:

- Take notes on key facts and details.
- Organize research into categories.
- Create an outline based on the research.

Writing the Introduction and Body Paragraphs

TEKS: 4.13

Focus: Writing factual paragraphs based on research.

Activities:

- Write an introduction with a clear thesis.
- Develop body paragraphs with facts and details from research.

Writing the Conclusion and Final Draft

TEKS: 4.13

Focus: Writing a conclusion and finalizing the research paper.

Activities:

- Write a conclusion that summarizes the main points.
- Edit and revise for clarity and accuracy.

Editing and Revising Research Writing

TEKS: 4.13

Focus: Peer review and self-editing.

Activities:

- Revise for clarity, accuracy, and flow.
- Check for proper citation of sources (if applicable).
- Final draft submission.

Assessment: Submission of drafts in multiple stages, final drafts, and active participation in the drafting and editing process.

LANGUAGE ARTS CURRICULUM

Parts of Speech

Topics: Common and Proper Nouns, Pronouns, Verbs, Helping and Linking Verbs, Adjectives, Adverbs, Articles, Prepositions, Conjunctions.

Sentences

Topics: Declarative and Imperative Sentences, Interrogative and Exclamatory Sentences, Subject, Predicate, Direct Object, Sentence Fragments, Compound Sentences, Run-on Sentences, Combining Sentences.

Capitalization and Punctuation

Topics: Capitalizing Names, Titles, Place Names, Dates, Holidays, Book and Movie Titles. Periods, Question Marks, Exclamation Points.

Commas with Dates, Cities, States, Introductory Words, in a Series, Direct Address, in Compound Sentences.

Punctuating Dialogue and Titles.

Colons.

Usage

Topics: Subject-Verb Agreement, Regular/Irregular Past Tense Verbs, Forming the Future Tense, Tricky Verb Usage, Contractions, Negative Words and Double Negatives, Regular/Irregular Plurals, Singular/Possessive Plurals, Subject and Object Pronouns, Comparative Adjectives/Adverbs.

Assessment: Grammar quizzes and tests. Spectrum LA workbook.

MATHEMATICS

Math for Grade 4 focuses on developing problem-solving and reasoning abilities, going above and beyond computational abilities. Three critical areas are covered: (1) multi-digit multiplication and dividing to find quotients with multi-digit dividends, (2) fraction equivalence, addition, and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers, and (3) analysis and classification of geometric figures based on their properties, such as having parallel sides, perpendicular sides, particular angle measures and symmetry.

4th Grade Math Yearly Curriculum Outline (Texas Standards)

Semester 1

Unit 1: Review from 3rd Grade (Weeks 1-4)

Pre-Assessments taken days 1-2

Teks 4.1 (A), 4.2 (A)

1. Represent and solve problems using addition and subtraction of whole numbers
    a. Addition and subtraction word problems
2. Use strategies and algorithms to add and subtract whole numbers

Unit 2: Place Value and Rounding (Weeks 5-7)

Teks 4.1(B), 4.2(B)

1. Use place value to round whole number to the nearest 10, 100, 1,000, up to 100,000
    a. Hands-on activities using number lines and models for place value
2. Estimate and round numbers to determine reasonableness of answers.
    a. Estimation and mental math strategies
    b. Strategies to solve word problems
3. Standard form, written form, and expanded form of a number
    a. Ability to write all three different types

Unit 3: Fractions and Decimals (Weeks 8-9)

Teks 4,6 (a,b,c), 4.8 (a,b)

1. Compare Decimals
    a. Recognize and represent decimals to the hundredths place
    b. Compare and order decimals
2. Add Fractions with Denominators of 10 and 100

    a. Equivalent Fractions
3. Solve Word Problems involving Money
4. Math Practices: Look for and Use Structure
5. Understand and Compare Decimals Unit Test

Unit 4: Fluently Add and Subtract Multi – Digit Numbers (Week 10)

Teks 4, 4-D.6, 4-D.7, 4-D.8, 4 E.5

1. Mental Math: Find Sums and Differences
2. Mental Math: Estimate Sums and Differences
3. Add Whole Numbers
4. Subtract Whole Numbers
5. Subtract Across Zeros
6. Math Practices and Problem Solving: Reasoning
7. Add and Subtract Multi-Digit Numbers Unit Test

Unit 5: Multiply by 1-Digit Numbers (Week 11-13)

Teks 4.3 (A,B), 4.4 (A, B)

1. Multiply by Multiples of 10, 100, and 1,000
2. Round to Estimate Products
3. The Distributive Property
4. Mental Math Strategies for Multiplication
5. Arrays and Partial Products
6. Multiply by 1-Digit Numbers: Partial Products
7. Multiply 2- and 3- Digit Numbers by 1-Digit Numbers
8. Multiply 4-Digit by 1-Digit Numbers
9. Math Practices: Model with Math
10. Multiply by 1-Digit Numbers Unit Test

*STEM Research Project due around week 12

Unit 6: Multiply by 2-Digit Numbers (Week 14-17)

Teks 4-I.6-I.10, 4-I.4, 4-I.5

1. Mental Math: Multiply Multiples of 10
2. Multiply 2-Digit Numbers by Multiples of 10
3. Estimate: Use Rounding
4. Use Compatible Numbers
5. Arrays and Partial Products
6. Multiply Using the Distributive Property
7. Multiply by 2-Digit Numbers: Partial Products
8. Multiply 2-Digit by 2-Digit Numbers
9. Math Practices: Make Sense and Persevere
10. Multiply by 2-Digit Numbers Unit Test

Unit 7: Divide by 1-Digit Numbers (Weeks 18-21)

Teks 4.3(B), 4.4(B), 4-K.2-K.14

1. Mental Math: Find Quotients
2. Mental Math: Estimate Quotients
3. Interpret Remainders
4. Division as Sharing
5. Long Division
6. Use Partial Quotients to Divide
7. Use Partial Quotients to Divide Greater Dividends
8. Divide by 1-Digit Numbers Unit Test

Unit 8: Solve Problems with Whole Numbers (Week 22)

Teks 4, 4-N.5, 4-M.11, 4-N.2, 4-N.3

1. Solve Comparison Situations
2. Solve Multi-Step Problems
3. Math Practices: Make Sense and Persevere
4. Solve Problems with Whole Numbers Unit Test

Unit 9: Algebra: Generate and Analyze Patterns (Week 23)

Teks 4, 4-O.10, 4-O.13

1. Number Sequences
2. Patterns: Number Rules
3. Patterns: Repeating Shapes
4. Algebra: Generate and Analyze Patterns Unit Test

Unit 10: Personal Financial Literacy (Weeks 24-25)

Teks 4-NN.1 – NN.5

1. Fixed and Variable Expenses
2. Revenue and Profit
3. Options for Saving Money
4. Allowance Allocation
5. Financial Institutions
6. Math Practices: Explain Mathematical Ideas
7. Personal Financial Literacy Unit Test

*STEM Research Project 2 due around week 25

Unit 11: Fraction Equivalence and Ordering (Weeks 26 – 28)

Teks 4-P.3 – P.10, 4-R.4 – R.14

1. Equivalent Fractions: Area Models
2. Equivalent Fractions: Number Lines
3. Generate Equivalent Fractions: Multiplication
4. Generate Equivalent Fractions: Division
5. Compare Fractions
6. Math Practices: Construct Arguments
7. Fraction Equivalence and Ordering Unit Test

Unit 12: Addition and Subtraction of Fractions (Week 29)

Teks 4-S.5 – S.11, 4-T.1 – T.11

1. Model Addition of Fractions
2. Decompose Fractions
3. Add Fractions with Like Denominators
4. Model Subtraction of Fractions

5. Subtract Fractions with Like Denominators
6. Add and Subtract Fractions with Like Denominators
7. Estimate Fraction Sums and Differences
8. Model Addition and Subtraction of Mixed Numbers
9. Add Mixed Numbers
10. Subtract Mixed Numbers
11. Math Practices: Model with Math
12. Addition and Subtraction of Fractions Unit Test

Unit 13: Multiplication Concepts with Fractions (Week 30)

Unit 14: Show and Interpret Data on Line Plots

Unit 15: Angles and Angle Measurement

Unit 16: Lines, Angles, and Shapes

Unit 17: Find Equivalence in Units of Measure

Unit 18: STAAR Review

SCIENCE

Science for 4th Grade employs a hands-on discovery approach to science that promotes the implementation of the scientific method and encourages students to think critically and reason scientifically. Topics covered include (1) Plants and animals in their environment, (2) Properties of Magnetism and Electricity, (3) Properties of Water, and (4) The effect of Natural Events on Earth.

Grade 4 Science (TEKS) - Year-Long Lesson Plan Overview

Unit 1: Organisms and the Environment (Plants and Ecosystems)

Timeframe: 8 weeks
TEKS: 4.9(A), 4.9(B), 4.10(A), 4.10(B), 4.11(A)

Lesson 1: Introduction to Plant Life Cycles

- Key Concepts: Seed, Germination, Photosynthesis, Pollination
- Activities: Dissect flowers to identify parts, plant seeds, observe growth over time
- Assessments: Science journal entries, Plant life cycle diagram

Lesson 2: Photosynthesis and Plant Growth

- Key Concepts: How plants make food using sunlight, water, and carbon dioxide
- Activities: Experiment with plants in light vs. dark environments
- Assessments: Worksheet on photosynthesis process

Lesson 3: Plant Adaptations to Environment

- Key Concepts: How plants adapt to their environments (e.g., cactus, aquatic plants)
- Activities: Create a poster on plant adaptations, visit local plant habitats (field trip)
- Assessments: Quiz on plant adaptations and environments

Lesson 4: Plants in the Ecosystem

- Key Concepts: Role of plants in food chains and ecosystems
- Activities: Create a simple food web with plants, herbivores, and carnivores
- Assessments: Group project on food webs, quiz on the role of plants in ecosystems

Unit 2: Matter and Energy

Timeframe: 5 weeks
TEKS: 4.5(A), 4.5(B), 4.6(A), 4.6(B)

Lesson 1: Properties of Matter o

- Key Concepts: Solids, liquids, gases, physical properties (color, texture, mass) o

- Activities: Hands-on experiments to observe physical changes in matter (e.g., ice melting)
- Assessments: Matter properties worksheet

Lesson 2: States of Matter

- Key Concepts: Change of state (solid to liquid, liquid to gas)
- Activities: Water cycle in a bag activity, heat different substances and observe changes
- Assessments: Quiz on states of matter and changes of state

Lesson 3: Energy in Matter

- Key Concepts: Energy transfer (heat, light)
- Activities: Simple experiments showing energy transfer (e.g., heating metal, sunlight warming objects)
- Assessments: Energy transfer diagram and explanations

Unit 3: Earth and Space

Timeframe: 5 weeks
TEKS: 4.8(A), 4.8(B), 4.8(C)

Lesson 1: Earth's Resources

- Key Concepts: Renewable and nonrenewable resources
- Activities: Sorting activity of resources into renewable and nonrenewable categories
- Assessments: Class discussion and a chart of resources

Lesson 2: The Water Cycle

- Key Concepts: Evaporation, condensation, precipitation, collection
- Activities: Create a water cycle in a bag experiment
- Assessments: Water cycle diagram and explanation

Lesson 3: Earth's Movements and Weather

- Key Concepts: Rotation and revolution of Earth, impact on weather
- Activities: Simulate Earth's rotation with a globe and flashlight, weather forecasting activity
- Assessments: Weather report assignment, quiz on Earth's movements

Unit 4: Force, Motion, and Energy

Timeframe: 4 weeks
TEKS: 4.6(A), 4.6(B), 4.7(A)

Lesson 1: Forces and Motion o

- Key Concepts: Pushes, pulls, speed, friction

- Activities: Experiment with different surfaces and types of friction (e.g., sliding objects on carpet vs. tile)
- Assessments: Lab report on forces and motion experiments

Lesson 2: Simple Machines o

- Key Concepts: Types of simple machines (lever, pulley, wheel and axle)
- Activities: Build simple machines using everyday objects
- Assessments: Group presentation on simple machines

Lesson 3: Energy Forms

- Key Concepts: Kinetic and potential energy
- Activities: Experiment with potential and kinetic energy using a ramp and ball
- Assessments: Energy analysis worksheet

This outline is designed to be flexible, offering space for weekly planning and adjustments based on student progress. Scott Foresman Science Textbook, Workbook and Al-Jamea-tus-Saifiyah deeni perspective incorporated.

Assessment Strategies

- **Al-Jamea-tus-Saifiyah Uloom Kawniyah:** Supplemental textbook based on 4th grade level. Incorporating Deeni perspective.
- **Interactive Learning:** Utilize hands-on experiments and interactive activities wherever possible. Science is best learned through experience and exploration.
- **Cross-Disciplinary Connections:** Integrate math (measuring, data collection), reading (researching topics), and writing (lab reports) into science lessons to enhance students' skills across subjects.
- **Assessment:** Incorporate different types of assessments (e.g., quizzes, projects, written reflections) to accommodate diverse learning styles.
- **Adjustments:** Modify the pacing based on the class's needs. Some topics might take longer, while others might require less time.

SOCIAL STUDIES

Grade 4 Social Studies Details

Discipline: HISTORY	DISCIPLINE: CIVICS
• American Indians • Traditional American Indian nations and lives • Early exploration and settlement of North America • Constitutional Convention • The impact of industrialization • Factors leading to the war of 1812 • Early settlements • European and American Indian trade and interactions • Impact of inventions and innovations on eighteenth-century life	• Establishment of the United States government • Values of American democracy - life, liberty, the pursuit of happiness • Declaration of Independence • Amendments to the Constitution • Roles and responsibilities of citizens in a democracy • The abolition of slavery; the impact of *Uncle Tom's Cabin* • Roles and responsibilities of political leaders at the three levels of government • Three branches of government • Civic responsibilities

Discipline: GEOGRAPHY	DISCIPLINE: ECONOMICS
• Mapping skills; the development of maps, and understanding the importance of scale, space and time • Physical features of the United States • Human developed features and places • Major physical features of the United States • Impact of Physical features on America history • Gulf of Mexico, Great Lakes and Mississippi river • Factors affecting settlement • The impact of humans on Earth • Natural and Human made events impacting the geography of living in that environment	• Elements of a market economy • Economic factors behind the American revolution • The effects of the Industrial Revolution in the United States • Supply and Demand; opportunity cost • The economies of North and South prior to the Civil War • Bartering and income • Immigration to the United States • United States production of goods and services • The changing United States economy

Source : 180 days of social studies for fourth grade, by Shell Education