Rawdat Al Quran Academy Houston Curriculum

SECOND GRADE

LANGUAGE ARTS

English Language Arts for Grade 2 focuses on Reading and Writing. Through independent reading and read aloud exercises, we practice skills and strategies to ensure comprehension, enable interpretation, and develop vocabulary. In Writing, we explore basic conventions of English grammar, including punctuation and parts of speech, as well as spelling.

READING AND WRITING CURRICULUM SECOND GRADE

Unit 1: Strengthening Comprehension Skills

Identifying Story Sequence

TEKS: 2.6D

Focus: Retelling stories in sequence (first, next, last)

Activities: Use picture cards to put the events of a story in order.

Writing Personal Stories

TEKS: 2.10A, 2.10B

Focus: Writing about personal experiences (simple narrative structure: beginning, middle, end).

Activities: Focus on using first (first, next, last) in their writing.

Making Inferences & Drawing Conclusions

TEKS: 2.6B, 2.6C

Focus: Inference strategies and drawing conclusions.

Activities: Interactive discussion and inferring from short passages. Video Lessons. Worksheets.

Main Idea and Details

TEKS: 2.7A

Focus: Identifying the main idea and supporting details.

Activities: Read short nonfiction and fiction passages and identify the main idea and details. Work on various worksheets.

Unit 2: Exploring Informational Texts

Understanding and Summarizing Nonfiction

TEKS: 2.7A, 2.7B

Focus: Features of nonfiction text (titles, headings, captions, photographs). Identifying the main topic and key details.

Activities: Read simple informational books or articles. Highlight the title, headings, and pictures. Create informational versus important T-chart. TFFC strategy. Write 4 sentence summaries.

Writing Facts and Ideas

TEKS: 2.10C, 2.11A

Focus: Writing informational texts (sharing facts about a topic).

Activities: Techniques of writing informational texts: interactive lesson. Students pick a topic they know well (like their favorite place or a favorite animal). They will write 2-3 facts and draw a picture related to the topic.

Unit 3: Introduction to Fiction and Reading Strategies

Exploring Folktales and Fairy Tales
TEKS: 2.7B, 2.8B

Focus: Analyze elements of folktales and fairy tales (characters, plot, themes).

Activity: Character, plot theme charts, reading multiple fiction texts, and storytelling worksheets.

Character Development in Stories

TEKS: 2.6A, 2.6B

Focus: Analyze how characters change throughout a story.

Activity: Discuss character traits and how characters grow or learn lessons.

Analyzing Text Structure

TEKS: 4.6C, 4.7B

Focus: Recognizing different text structures: cause-and-effect, problem-solution

Activity: Identify text structure in stories and create cause and effect charts.

Author's Purpose

TEKS: 2.6D

Focus: Why did the author write this text? (to inform, to entertain, to persuade).

Activities: Discuss different texts and decide the author's purpose. After reading a short story or informational text, students will explain why the author wrote it (e.g., "This book is to inform me about animals.").

Unit 4: Narrative Writing

Introduction to Narrative Writing

Teks: 2.9A, 2.10A

Focus: Writing personal narratives (characters, setting, sequence). Revise story elements: beginning, middle, and end.

Activity: Brainstorm ideas for a personal story and outline story elements.

Writing Personal Narratives

TEKS: 2.9A, 2.10B

Focus: Continue writing personal narratives focusing on descriptive details. Focus on using correct sentence structure and punctuation.

Activity: Write a personal narrative.

Unit 5: Exploring Poetry

Introduction to Poetry

TEKS: 2.6A, 2.7A

Focus: Basic elements of poetry (rhyme, rhythm, repetition).

Activities: Read poems with rhyming words and rhythm. Create a simple class poem together.

Writing Simple Poems

TEKS: 2.10D

Focus: Writing poems with rhyme or simple structures.

Activities: Write an acrostic poem using the student's name or a topic of choice. Create a poem with rhyming words.

Unit 6: Retelling and Comparing Stories

Retelling Stories

TEKS: 2.6C, 2.6D

Focus: Retelling stories in sequence with key details.

Activities: Create a sequence chart together as a class. Summarizing fiction writing.

Comparing Stories

TEKS: 2.6B, 2.6C

Focus: Compare characters, settings, and events in two stories.

Activities: After reading two books, compare the characters and settings using a Venn diagram.

Unit 7: Writing Persuasive Texts

Introduction to Persuasion

TEKS: 2.9A

Focus: Persuasive writing (expressing opinions with reasons).

Activities: Read persuasive texts (e.g., "Should we have recess longer?") and discuss reasons. Students will write a simple opinion piece (e.g., "I think we should have more recess because...").

Writing a Persuasive Letter

TEKS: 2.9B, 2.10B

Focus: Writing a persuasive letter or note to someone (e.g., to a parent or teacher).

Activities: Write a letter asking for something (e.g., more reading time, or a class pet). Share letters with the class.

Assessment: In-class writing tasks. Reading Comprehension tests given weekly. Reading Fluency tests.

LANGUAGE ARTS CURRICULUM

Weeks 1-8: Parts of Speech

Topics: Common and Collective Nouns, Proper Nouns, Reflexive, Indefinite and Common Pronouns, Verbs, Adjectives, Adverbs.

Weeks 9-12: Sentences

Topics: Statements, Questions, Exclamations, Commands, Combining and Expanding Sentences.

Weeks 13-14: Capitalization

Topics: Capitalizing First Word in a Sentence, Names, Titles, Place Names, Days, Months, Holidays.

Weeks 15-22: Punctuation

Topics: Periods, Question Marks, Exclamation Points, Periods in Abbreviations.

Commas with Dates, States, Cities, Series, Letters, Compound Sentences.

Apostrophes in Possessives, Quotation Marks in Dialogue, Titles of Books and Movies.

Weeks 23-30: Usage

Topics: Subject/Verb Agreement, Irregular Verbs, Past Tense, Irregular Past Tense Verbs, Pronouns I and Me, Possessive Pronouns.

Weeks 31-35: Word Study

Topics: Contractions, Plural Nouns, Irregular Plural Nouns, Comparative Adjectives

Assessment: Spectrum LA workbook activities and Grammar test/quizzes.

SPELLING/PHONICS CURRICULUM

Vowel Teams and Diphthongs
TEKS: 2.2A, 2.2B

Focus: Introduce vowel teams and diphthongs ("oi," "oy," "ou," "ow")

Consonant Digraphs

TEKS: 2.2A, 2.2B

Focus: Introduce consonant digraphs (“sh” and “ch”)

Consonant Digraphs

TEKS: 2.2A, 2.2B

Focus: Introduce consonant digraphs (“th," “ph,” and "wh").

Consonant Blends
TEKS: 2.2A, 2.2B

Focus: Introduce consonant blends (e.g., "bl," "st," "tr," "fl").

Long Vowel Sounds (with Silent "e")
TEKS: 2.2A, 2.2B

Focus: Introduce long vowel sounds (a_e, e_e, i_e, o_e, u_e) and the silent "e" rule.

Vowel Digraphs
TEKS: 2.2A, 2.2B

Focus: Introduce vowel digraphs (ai, ee, oa).

Vowel Digraphs
TEKS: 2.2A, 2.2B

Focus: Introduce vowel digraphs (ue, ea).

R-controlled Vowels (ar, er, ir, or, ur)
TEKS: 2.2A, 2.2B

Focus: on r-controlled vowels (ar, er, ir, or, ur) and their sounds.

More Vowel Teams and Diphthongs
TEKS: 2.2A, 2.2B

Focus: Continue practicing vowel teams and diphthongs, with emphasis on common words and less common patterns.

Spelling Patterns with Double Consonants
TEKS: 2.2A, 2.2B

Focus: on words with double consonants (e.g., "happy," "sunset," "puppy").

Syllables and Dividing Multisyllabic Words
TEKS: 2.2A, 2.2B

Focus: Teach students to divide multisyllabic words into syllables (e.g., "banana," "elephant") and practice syllabication rules and decoding multisyllabic words.

Word Families with Complex Vowel Sounds
TEKS: 2.2A, 2.2B

Focus: Introduce more complex word families that include vowel teams and diphthongs.

Advanced Vowel Patterns and Tricky Words
TEKS: 2.2A, 2.2B

Focus: on tricky vowel patterns like "ough," "ea," and "ei" (e.g., "though," "bread," "rein").

Homophones and Homographs
TEKS: 2.2A, 2.2B

Focus: Introduce homophones and homographs.

Commonly Misspelled Words and Irregular Spellings
TEKS: 2.2B, 2.11A

Focus: Common spelling patterns that are often irregular or tricky

Review of Phonics, Applying Phonics to Reading and Writing

MATH

Math for Grade 2 focuses on more complex addition and subtraction relationships and strategies, including place value explorations of tens and ones, grouping by 2, 5, and 10, odd and even numbers, and patterns to 100, and deepens student's investigation into data collection and graphing as well as measurement and geometry. Key concepts are reinforced and connected to the real world by working with money.

2nd Grade Math Yearly Curriculum Outline (Texas Standards)

Semester 1

Unit 1: Number and Operations (Weeks 1-5)

TEKS: 2.2, 2.3, 2.4

1. Understanding Place Value

- Identify and represent numbers through 1,000.
- Read and write numbers up to 1,000 in standard, expanded, and word form.
- Recognize the place value of digits in numbers up to 1,000.
- Compare and order numbers using symbols (<, >, =).

2. Skip Counting

- Skip count by 2s, 5s, 10s, and 100s starting at any number.
- Use skip counting to solve problems involving addition and subtraction.

3. Number Patterns

- Identify and extend number patterns (even/odd numbers, counting by 2s, 5s, 10s).

4. Addition and Subtraction Facts

- Add and subtract within 100.
- Use strategies such as making tens, using doubles, and counting on to solve
- problems.

- Bowling game to understand concepts

Unit 2 and 3: Addition and Subtraction of Larger Numbers (Weeks 6-8)

TEKS: 2.4, 2.5

1. Adding and Subtracting 2-Digit Numbers

- Solve two-digit addition and subtraction problems with and without regrouping.
- Use models (base-ten blocks, number lines) to represent addition and subtraction.

2. Word Problems

- Solve addition and subtraction word problems, including those involving sums

and differences up to 100.

3. Mental Math and Estimation

- Use mental strategies for adding and subtracting within 100.
- Estimate sums and differences of two-digit numbers.

- Online adding/subtracting game to understand concepts

Unit 4: Addition and Subtraction within 1000s (Weeks 9-10)

TEKS: 2.4, 2.5

1. Visually adding within 1,000

- Adding 10 or 100
- Adding and Subtracting on number lines

2. Strategies for adding within 1,000

- Adding 3-digit numbers (no regrouping)
- Addition using groups of 10 and 100
- Breaking apart 3-digit addition problems

3. Strategies for subtracting within 1,000

- Subtracting 1, 10, or 100
- Subtracting 3-digit numbers (no regrouping)
- Subtracting with place value blocks (regrouping)
- Adding and subtracting on number line

4. Adding up to four 2-digit numbers

- Adding four two digit numbers
- Adding multiple 2-digit numbers word problems

- STEM activity: Who can construct the tallest building using only a select amount of

drinking straws, tape, popsicle sticks, and scissors?

Unit 5: Fractions (Weeks 11-13)

TEKS: 2.3, 2.6

5. Understanding Fractions

- Identify and name fractions (1/2, 1/3, 1/4, etc.) using models and number lines.
- Understand and represent halves, thirds, and fourths.

6. Comparing Fractions

- Compare simple fractions (e.g., 1/2 vs. 1/4) using visual models.
- Understand equivalence (e.g., 1/2 = 2/4).

7. Fractions in Real Life

- Solve word problems involving fractions (e.g., sharing a pizza, dividing items into
- equal parts).

- Fractions water pouring game

- Baking (measuring out different amounts of ingredients can help us compare

fractions)

Semester 2

Unit 6: Measurement and Data (Weeks 14 -17)

TEKS: 2.7, 2.8

1. Length Measurement

- Measure lengths using standard units (inches, feet, centimeters, meters).
- Compare and order lengths using appropriate units of measure.

2. Time

- Tell time to the nearest 5 minutes using both analog and digital clocks.
- Understand the concepts of a.m. and p.m.
- Solve word problems involving time (elapsed time).

3. Money

- Identify and count coins (pennies, nickels, dimes, quarters).
- Solve problems involving the addition and subtraction of money amounts up to
- $1.00.

4. Data and Graphing

- Collect and organize data.
- Create and interpret bar graphs, pictographs, and line plots.
- Solve problems based on data represented in graphs.

Unit 7: Geometry and Spatial Reasoning (Weeks 18 - 21)

TEKS: 2.6

1. 2-D Shapes and Their Attributes

- Identify and describe 2-dimensional shapes (circles, squares, rectangles, triangles,
- hexagons, etc.).
- Understand and identify properties of shapes (sides, vertices, angles).

- Sort shapes by their attributes.

2. Symmetry

- Identify lines of symmetry in 2D shapes.
- Create shapes that are symmetrical.

3. 3-D Shapes and Their Attributes

- Identify and describe 3-dimensional shapes (cubes, spheres, cones, pyramids,
- etc.).
- Compare and classify 3D shapes based on their attributes (faces, edges, vertices).

4. Coordinate Geometry (Introduction)

- Identify points on a grid (using coordinates like (1, 2)) and draw simple geometric
- shapes.

Unit 8: Problem Solving and Algebraic Thinking (Weeks 22-25)

TEKS: 2.9, 2.10

1. Patterns and Relationships

- Recognize and extend patterns (numeric, geometric, or repetitive).
- Create patterns using objects or numbers.

2. Word Problems and Strategies

- Solve multi-step word problems involving addition, subtraction, multiplication,
- and division.
- Apply problem-solving strategies (guess and check, making a table, drawing a
- picture).

3. Introduction to Multiplication Concepts

- Understand the concept of multiplication as repeated addition.
- Use arrays and equal groups to represent multiplication problems (2 groups of 3, 4
- rows of 5, etc.).

Unit 9: Review and Consolidation (Weeks 26-30)

TEKS: All TEKS reviewed

1. Review of Key Concepts

- Review and reinforce all major concepts learned throughout the year, including
- place value, operations (addition and subtraction), measurement, time, geometry,
- and fractions.

2. Assessment Preparation

- Practice test-taking strategies.
- Solve review problems in all areas: numbers and operations, measurement, data,
- fractions, and geometry.

3. Culminating Project or Assessment

- A project or assessment where students apply the concepts learned over the course
- of the year (e.g., creating a math journal or participating in a problem-solving
- challenge).

End-of-Year Assessment (Weeks 31-32)

1. **Summative Assessment**

    - Final assessment covering all topics learned throughout the year, based on TEKS standards.
    - Include a mix of multiple-choice, short-answer, and problem-solving questions.

Differentiation and Enrichment:

- **For struggling students**: Provide additional support with manipulatives, visual aids (e.g., number lines, base-ten blocks), and one-on-one interventions.
- **For advanced students**: Offer enrichment activities such as exploring multiplication tables, learning more about the relationships between fractions, or solving more complex word problems.

This curriculum outline provides a clear path for covering 2nd grade math concepts according to the Texas TEKS standards. The structure allows for sequential learning and periodic review, ensuring that students gain mastery of each concept before moving on to the next one.

SCIENCE

Science for 2nd Grade is focused on the physical environment, here on Earth and in space. Students will participate in group projects that they will present to other students and parents during the yearly science fair.

Grade 2 - Science Course Details (*Source: 180 Days of Science for Second grade, by Shell Education)*

UNIT 1: LIFE SCIENCE

Week 1 Growing in Sun and Shade Week 7 Life in warm places

Week 2 Water, Water, Everywhere Week 8 Life in cold places

Week 3 What does a seed do? Week 9 Freshwater Animals

Week 4 What is Pollination? Week 10 Saltwater Animals

Week 5 Animals and Pollination Week 11 Life in a Rainforest

Week 6 Catching a Ride Week 12 Life in a Desert

UNIT 2: PHYSICAL SCIENCE

Week 13 Properties of Objects Week 19 Does it Bend?

Week 14 States of Matter Week 20 Build a Tower

Week 15 Properties of Materials Week 21 Time for Remodelling

Week 16 Texture Week 22 Heating and Cooling water

Week 17 Soak it up! Week 23 Changing Matter

Week 18 Hardness Week 24 Heating Things up!

UNIT 3: EARTH AND SPACE SCIENCE

Week 25 All kinds of Rocks Week 31 Plugging it up!

Week 26 How can rocks change? Week 32 Helper plants

Week 27 Fast and slow changes Week 33 Glaciers and Icebergs

Week 28 Volcanoes Week 34 Map it!

Week 29 Earthquakes Week 35 Water on the move

Week 30 Windbreaks Week 36 Can you drink it?

SOCIAL STUDIES

Grade 2 - Social Studies Course Details (Source: 180 days of social studies for second grade, by Shell Education.)

Discipline: HISTORY	DISCIPLINE: CIVICS
• Compare/contrast family/other people of past and today who have shaped the local community • Historical figures/heroes such as Sally Ride, Marie Curie, etc • Past historical figures such as Abraham Lincoln, Sitting Bull, George Washington Carver, Jackie Robinson, Louis Pasteur, Golda Meir, Albert Einstein, Alexander Graham Bell • Then and now daily life- Clothing, activities, foods, school and houses • Lives and contributions of American Indians • Major science and technology inventions/discoveries and their impact • Changes in the local community, over time (roads, buildings, transportation, population)	• Rights, responsibilities, characteristics of good citizenship • Symbols of American citizenship • National and state symbols: Birds, flowers, patriotic symbols • Justice - Laws and rules in school and the community • Elected officials of the executive branch • Authority and role of government • Basic principle of democracy - Equality, fairness, respect for authority and rules • Taxation and community services • Historical figures who exemplify good citizenship

Discipline: GEOGRAPHY	DISCIPLINE: ECONOMICS

• Mapping skills-
  ○ simple maps of familiar places: school, community,
  ○ compass rose; read, locate: state, country, state and nation capitals
  ○ Read, locate: North America and other continents, Canada, Mexico, the equator and oceans
• Cultural and environmental characteristics of communities
• How weather, seasons and climate affect people lives in communities and regions
• Settlement patterns - where people live and why
• How people modify the physical environment- roads, clearing land, etc and positive/negative consequences
• Consumption - How people depend on the environment
• Why people/ideas/things move from one place to another
	• Goods and services (local and other communities) and allocations
	• Saving v/s spending
	• Market structure - prices (local and elsewhere), buying, selling, trading; role of producer and consumer
	• Government - provided goods and services
	• Scarcity and decision making
	• Income earning
	• Cost of production - Human, natural and capital resources
	• Role of banks in the economy
	• Production from natural resource to finish product