



**A Family Guide**  
To Mastering The TEKS  
The Texas Essential Knowledge and Skills

**Second Grade**

# Language Arts

## Expectations at School

### **During Second Grade, students will:**

- Listen and respond to questions, stories, poems, presentations, and three-step directions.
- Speak clearly when discussing and presenting, using correct grammar and verb tense to describe clearly ideas, feelings and experiences.
- Make contributions to small and large group discussions.
- Use phonics, word parts, word order, and context clues to decode new words with one or more syllables.
- Read (orally and silently) and comprehend a variety of second grade texts with increasing fluency.
- Read high frequency words and understand the meaning of new words by discussing them and by using resources such as beginning dictionaries.
- Comprehend fiction and non-fiction texts by using these strategies: using prior knowledge, establishing purposes for reading, making inferences, drawing conclusions, making predictions, sequencing events and producing summaries.
- Use reading strategies such as rereading, correcting their own mistakes, and pausing often to check for meaning.
- Read stories, poems, fables, and nonfiction, and recognize the features that make these forms different from one another.
- Learn new vocabulary through wide reading, discussions, and experiences.
- Write for a variety of audiences and purposes, using a variety of forms: letters, lists, stories, poems, and simple research reports.
- Gather, take notes, and present information from various sources, such as classroom guests, books, and other media.
- Utilize story maps, graphs, tables, charts, and drawings to locate and represent information.
- Brainstorm ideas and events to plan for writing.
- Use the writing process to: generate ideas, develop drafts, revise, and edit for grammar, spelling, and punctuation.
- Write legibly, using proper size, spacing, and margins.
- Spell second-grade high-frequency words correctly in all writing.
- Compose in complete sentences and use appropriate end punctuation.
- Use available technology for aspects of writing including word processing, spell checking, and printing.

# Language Arts

## Support at Home

**As parents, provide opportunities for your 2<sup>nd</sup> grader to:**

- Read (orally and silently) and listen to you read daily for at least 15 minutes and then answer your questions and talk about the materials.
- Review high frequency words daily.
- Read a variety of materials such as books, menus, bill boards, cereal boxes, grocery items, and children's magazines.
- See that you enjoy reading.
- Go to the public library regularly.
- Write thank-you notes, letters to relatives, captions for a photo album, lists, diary entries, and travel logs.
- Read a variety of books and listen to tapes.
- Play thinking games with you, such as I Spy, ABC games, rhyming games, or 20 Questions.

# Mathematics

## Expectations at School

**During Second Grade, students will:**

- Represent and read whole numbers through 999
- Compare and order numbers through 999, and record the comparison  $>$  (using greater than),  $<$  (less than) and  $=$  (equal).
- Use fraction words to name parts (not to exceed twelfths) of whole objects and sets of objects
- Add and subtract two digit whole numbers to solve problems
- Determine the value of a collection of coins up to one dollar
- Use objects to create and describe multiplication and division concepts
- Use patterns to describe relationships and make predictions
- Use attributes to identify, compare and contrast shapes and solids
- Locate and name points on a number line
- Measure length, capacity, and weight using concrete materials that approximate standard units
- Read a thermometer to measure temperature
- Tell time on a clock using hours and minutes
- Construct picture graphs and bar type graphs and draw conclusions and answer questions based on the graphs
- Use data to describe events as more likely or less likely
- Solves problems connected to everyday experiences
- Supports thinking and records observations using objects, pictures, words, and numbers and relates informal language to mathematical language and symbols

# Mathematics

## Support at Home

**As parents, provide opportunities for your 2<sup>nd</sup> grader to:**

- Look to you as a positive role model in learning math.
- See you as a problem solver – someone who questions, investigates, and explores a variety of solutions to problems.
- Practice addition and subtraction facts to 18, using flashcards, board games, calculators, etc.
- Practice telling time.
- Use money in real-life situations.
- Make change.
- Play math and logic games.
- Do measuring and sorting activities.
- Make up word problems using newspapers and other familiar sources.
- See your positive attitude towards mathematics.

# Science

## Expectations at School

**In Second Grade, your child will:**

### Safety

- Demonstrate safe practices at home and school
- Use and conserve resources and dispose of materials

### Use of Scientific Tools

- Use tools to collect information and to extend the senses including: rulers, meter sticks, measuring cups, clocks, hand lenses, computers, thermometers, and balances

### Scientific Inquiry Methods and Critical Thinking

- Use standard and non-standard units to measure and compare
- Plan and conduct simple investigations
- Draw conclusions based on information and explanations
- Explain a problem and propose a solution
- Make decisions and justify conclusions focusing on evidence

# Science

## Expectations at School (Continued)

### In Second Grade, your child will:

#### Life Science

- Identify external characteristics of plants animals that allow basic needs to be met
- Compare examples of ways organism depend on each other and their environments
- Observe and record functions of plant and animals parts
- Identify characteristics of living organisms and nonliving objects
- Classify and sequence organisms, objects, and events based on properties and patterns

#### Earth Science

- Describe and illustrate the water cycle
- Identify uses of natural resources
- Observe, measure, record changes in weather, night sky, seasons
- Identify, predict, replicate, and create patterns including those seen in charts, graphs, and numbers

#### Physical Science

- Observe, measure, record, analyze, predict, illustrate changes in size, mass, temperature, color, position, quantity, sound, movement
- Identify, predict, test uses of heat to cause changes
- Demonstrate change in motion of objects push and pull

# Science

## Support at Home

### As parents, provide opportunities for your 2<sup>nd</sup> Grader to:

- Develop their natural inquisitiveness
- Observe real objects, events, and organisms in nature
- Describe their observations using words and numbers
- Ask questions about their observations
- Make guesses about what the answers to their questions might be
- Safely engage in investigations to answer their questions
- Watch and discuss science-oriented programs on television such as the Discovery Channel
- Read nonfiction books and magazines on science topics
- Visit museums, zoos, parks, libraries, etc.

# Social Studies

## Expectations at School

### During Second Grade, students will

- Identify the seven continents and four oceans.
- Identify major landforms of places and regions.
- Use basic geographic tools such as the map key, title, and compass rose to locate places on maps and globes.
- Identify and explain the significance of selected Texas symbols and land marks.
- Identify and explain the significance of selected celebrations of the community, state, and nation, such as Memorial Day, Independence Day, and the San Antonio Fiesta.
- Explain how people depend on natural resources to provide for their basic needs of food, clothing, and shelter.
- Identify ways in which people have modified the environment by building roads and clearing land.
- Identify and demonstrate the characteristics of good citizenship as modeled by historic figures and ordinary people.
- Distinguish between a city, state, country, and continent.
- Explain how work provides income to purchase goods and services.
- Distinguish between producers and consumers.
- Trace the development of a product from a natural resource to a finished product.
- Compare the roles of public officials, including mayor, governor, and president.
- Describe how science and technology have changed communication, transportation, and the ways in which people meet basic needs.
- Explain how local people and events have shaped San Antonio's history.
- Identify historical figures and ordinary people who helped to shape the state and nation.
- Create timelines, charts, and maps.
- Use vocabulary related to the past, present, and future to interpret time lines and to read a calendar.
- Sequence and categorize information.
- Interpret stories and pictures by identifying the main idea, predicting, and comparing/contrasting.
- Demonstrate effective oral and written communication skills.
- Demonstrate both individual and cooperative problem-solving and decision-making skills.

# Social Studies

## Support at Home

**As parents, provide opportunities for your 2<sup>nd</sup> Grader to:**

- Recognize and recall his or her complete address, including the city, state and country.
- Discuss world events on a weekly basis and locate places on a map or globe.
- Discuss the importance of rules and laws.
- Talk about the characteristics of good citizenship.
- Learn about your family's cultural heritage.
- Practice locating the states of the United States on maps.
- Create maps and map keys.
- Explore the geography of San Antonio and beyond.
- Identify what types of animals, plants, and land forms can be found locally.
- Visit local historical sites and museums and attend various cultural activities and festivals.