

- Identify ways technology is used in the home and school.
- Identify authority figures in the home, school, and community.

### ***Outside of School:***

#### ***As parents, you can provide opportunities for your kindergartner to***

- Learn home address, phone number, and full name.
- Talk about the order of daily events using words like *first*, *then*, *next*, and *last*.
- Look at and discuss simple maps.
- Distinguish between needs and wants.
- Visit museums.
- Discuss family traditions and celebrations.
- Discuss the importance of rules in the home and neighborhood.

## **Grade 1**

### **Reading/Language Arts**

#### ***Prerequisites:***

#### ***Before entering 1<sup>st</sup> grade, students should be able to***

- Listen carefully and follow one- or two-step instructions.
- Write their names (first and last).
- Recognize all letters in capital and lowercase form.
- Begin to read and write by learning to match letters with sounds for consonants and short vowels.
- Separate one-syllable words into beginning, middle, and ending sounds.
- Name and make rhyming words.
- Read kindergarten high-frequency words alone.
- Show understanding by retelling a story or by acting out the story.

#### ***Competencies:***

#### ***During 1<sup>st</sup> grade, students will***

- Listen carefully and give proper, courteous responses to directions, questions, and literature.

- Speak with an increasing variety of vocabulary words to tell about ideas, feelings, and experiences.
- Understand that letters form printed words that represent spoken language and have meaning.
- Know that words are written and read on a page from left to right and top to bottom.
- Blend beginning, middle, and ending sounds to read new words.
- Use word parts and meaning, along with phonics, to read and gain meaning from written words.
- Read familiar texts, both aloud and silently, at about 60 words per minute at least 10 minutes daily.
- Talk about meanings of words, and learn new words through active experiences and exciting literature.
- Show understanding by asking and answering questions, retelling stories, predicting outcomes, drawing conclusions, and comparing cultures.
- Understand and identify the main characters, setting, problems, and solutions in stories.
- Understand and use strategies for reading, such as using picture clues, letter-sound knowledge, re-reading, and checking for understanding.
- Know how stories, poems, and informational materials differ from each other.
- Use pictures, print, and people to gather information and answer questions.
- Gain and increase control of penmanship when printing each letter of the alphabet, both capital and lowercase, using correct formation with proper size and spacing.
- Use basic capitalization (names and first letters in sentences).
- Use basic punctuation (periods, question marks, and exclamation points).
- Spell frequently-used words and words with short-vowel patterns.
- Write complete messages on a page from left to right and top to bottom with correct word and letter spacing.
- Write friendly letters, personal stories, and short stories.
- Write and revise sentences to check for precise word choices and vivid images.
- Use computers to write sentences and stories.

### ***Outside of School:***

#### ***As parents, you can provide opportunities for your 1<sup>st</sup> grader to***

- Read to you daily. Sometimes, you may want to record your child's reading progress by camera, videotape, or audiotape.
- Listen to you read aloud each day.
- Talk about the meaning of what was read.
- Practice writing (sight words, letter formation, spelling words), using different media such as markers, sidewalk chalk, watercolors, salt, shaving cream, or Magnadoodle boards.
- Read words all around you (signs, cereal boxes, board games).
- Encourage your child to talk in complete sentences about daily events.
- Develop family awareness by listening to and retelling family stories.

## **Mathematics**

### ***Prerequisites:***

#### ***Before entering 1<sup>st</sup> grade, students should be able to***

- Understand and use kindergarten mathematics vocabulary.
- Follow a plan that uses multiple strategies to solve application-level word problems.
  - act it out
  - draw a picture

### **Number and Operations**

- Use one-to-one correspondence and language to describe relative sizes of sets of objects (examples: more than, same number as, two less than).
- Use numbers, spoken or written, to describe how many objects are in a set.
- Use language to describe the sequence of events or objects (examples: before, after, later).
- Name the ordinal positions in a sequence (example: first, second, third).
- Share a whole by separating it into equal parts.
- Model and create addition and subtraction problems with objects.

### **Patterns and Relationships**

- Identify, extend, and create patterns.
- Count by ones to 100.

### **Geometry**

- Describe one object in relation to another using such words as over, under, above, and below.
- Describe, compare, and sort objects by their attributes.
- Recognize shapes in real-life objects or models.

### **Measurement**

- Compare and order three objects according to length (shorter or longer), capacity (holds more or holds less), or weight (lighter or heavier).
- Compare situations or objects according to hotter or colder temperatures.
- Compare events to determine more time than or less time than.
- Read a calendar using days, weeks, and months.

### **Probability and Statistics**

- Make and/or use information from graphs with pictures or real objects.

### ***Competencies:***

#### ***During 1<sup>st</sup> grade, students will***

- Understand and use first-grade mathematics vocabulary.
- Follow a 4-step problem-solving plan (such as Big Q, window pane, or list) that uses multiple strategies to solve application-level word problems and requires students to justify their thinking.

### **Numbers and Operations**

- Read, write (using correct formation), compare, and order numbers and number words to 99.
- Recognize and know the value of a penny, nickel, dime, and quarter.
- Count coin combinations to 50 cents.
- Use fractions to represent parts of a whole and parts of a set ( $1/2$ ,  $1/3$ , and  $1/4$ ).
- Add and subtract using various objects, and write number sentences.
- Understand and learn addition facts with sums up to 18.
- Solve addition problems with three addends.
- Understand subtraction concepts.
- Solve two-digit addition problems with and without regrouping.

### **Patterns and Relationships**

- Identify, create, and extend more complex patterns (colors, shapes, numbers).
- Complete patterns with missing parts.

- Skip count by 2's and 5's to 100.
- Identify odd and even numbers to 100.
- Understand that fact families relate addition and subtraction.
- Identify and understand place value for ones place and tens place.

### **Geometry**

- Identify and describe geometric shapes as plane or solid figures. Plane figures include circle, triangle, rectangle, and square. Solid figures include "ball" (sphere), "box" (cube or rectangular prism), "can" (cylinder), and cone.

### **Measurement**

- Use nonstandard units to estimate and measure length, weight, and capacity.
- Tell time to the hour and half-hour.
- Categorize temperatures (example: a hot day or a cold day).
- Understand that the area of one surface is greater than, equal to, or less than the area of another surface.

### **Probability and Statistics**

- Collect, sort, and organize data to construct real-object, picture, and bar graphs in order to interpret information.

### ***Outside of School:***

#### ***As parents, you can provide opportunities for your 1<sup>st</sup> grader to***

- Practice addition facts to sums of 18, using flashcards, board games, etc.
- Practice counting money.
- Practice telling time, using both digital and stand clocks, to the hour and half-hour.
- Practice problem solving in real-life situations.
- Play games involving counting, shapes, and problem solving.

## **Science**

### ***Prerequisites:***

#### ***Before entering 1<sup>st</sup> grade, students should be able to***

- Know and practice science safety rules.
- Identify the five senses, and use them to make observations and discoveries.
- Gather information using tools such as hand lenses, balances, and cups.

- Observe, identify, and predict what will happen next.
- Know that heat causes change.
- Give examples of ways that rocks, soil, and water are useful.
- Explain basic needs of plants and animals.
- Describe, sort, and classify objects into categories such as living and nonliving.

### ***Competencies:***

#### ***During 1<sup>st</sup> grade, students will***

- Follow science safety rules (safety goggles).
- Be aware of four steps in a scientific process.
- Identify and use tools such as hand lenses, balances, rulers, clocks, and thermometers.
- Use standard and nonstandard units of measurement for finding length (centimeters), weight, and capacity.
- Explain the characteristics of living and nonliving objects.
- Explain similarities and differences between the basic needs of plants and animals.
- Understand the interdependence of plants and animals.
- Record observations of events such as weather, seasonal changes, and life cycles.
- Identify solids and liquids.
- Sort objects based on physical properties, including solids and liquids.
- Observe forces such as a push or a pull.

### ***Outside of School:***

#### ***As parents, you can provide opportunities for your 1<sup>st</sup> grader to***

- Assume responsibility for a living thing such as a plant or pet.
- Keep a journal of daily observations (weather, plant growth, etc.).
- Help you measure and sort ingredients in food preparation, and discuss how the ingredients change as they are mixed and cooked.
- Discuss safety issues related to electrical outlets, chemicals, appliances, etc.
- Discuss fire safety (escape plan, smoke alarms, etc.).
- Read nonfiction books on science topics.
- Watch science programs.
- Discuss and observe weather-related changes.
- Spend time outdoors observing nature.

- Predict outcomes.
- Sort and organize household items, clothing, and toys.

## **Social Studies**

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### ***Prerequisites: Before entering 1<sup>st</sup> grade, students should be able to***

- Express ideas orally based on knowledge and experiences.
- Identify self by name, address, telephone number, and birthday.
- Identify family members, customs, and traditions.
- Place events in order of time (first, next, last).
- Use terms to describe location (over, under, near).
- Distinguish between land and water on a globe and map.
- Identify and understand basic human needs (food, shelter, clothing, and jobs).
- Identify rules that provide order and safety.
- Identify the flag as an American symbol.
- Identify ways technology is used in the home and school.
- Identify authority figures in the home, school, and the community.
- Identify and model characteristics of a good citizen (use appropriate social skills and manners).

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### ***Competencies:***

#### ***During 1<sup>st</sup> grade, students will***

- Describe and identify the origins of holidays and celebrations.
- Distinguish past, present, and future events by using calendars and timelines.
- Identify characteristics of good citizenship as shown by historic figures and ordinary people.
- Identify leaders in the community, state, and nation.
- Locate places on maps and globes using the four basic cardinal directions (north, south, east, west).
- Identify the characteristics of places, including (1) physical characteristics, which are things in nature such as mountains, rivers, and trees, and

- (2) human characteristics, which are man-made structures such as bridges, buildings, and roads.
  - Describe similarities and differences in ways families meet basic human needs.
  - Describe various customs and traditions of families, and explain their importance.
  - Identify examples of goods and services and of the workers who provide goods and services.
  - Describe the characteristics of a job well-performed.
  - Explain and give examples of rules and laws in the home, school, and community.
  - Give examples of technology's influences on daily life in the past and present.
  - Identify "The Star-Spangled Banner" as our national anthem.
  - Recite the Pledge of Allegiance and the Pledge to the Texas Flag.
  - Sequence and categorize information.
  - Identify the main idea in a story or picture.
  - Write a simple sentence beginning with a capital letter and ending with the appropriate punctuation.
  - Spell first-grade words correctly.

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### ***Outside of School:***

#### ***As parents, you can provide opportunities for your 1<sup>st</sup> grader to***

- Visit places in the community (fire station, museum, grocery store, library, post office, etc.).
- Discuss family traditions, customs, and beliefs.
- Update and record events on a calendar.
- Make maps.
- Explain the reasons for having rules in the home and school.
- Follow rules at home.
- Maintain a chart that lists jobs or chores, and use check marks or stickers to show that a job has been done.
- Relate experiences orally.
- Use a calendar to plan daily events.
- Make choices (selections for dinner, choices of chores, etc.).
- Gain experience at making wise decisions.
- See you model appropriate manners and good citizenship.
- Use good manners, and be a good citizen.