



Second Grade Student Profile

Every day our world becomes more complex and demanding. To succeed beyond high school, students must be better prepared than at any time in the history of our state. Our expectations for our students and our schools are higher than they have ever been.

To meet these expectations, the State Board of Education has adopted a curriculum for all Texas schools the Texas Essential Knowledge and Skills (TEKS).

The Texas Essential Knowledge and Skills identify what Texas students should know and be able to do at every grade and in every course in the foundation and enrichment areas as they move successfully through our public schools.

The enclosed information summarizes the TEKS at your child's grade level in the four foundation areas of English Language Arts and Reading, Mathematics, Science, and Social Studies.

If you would like to see all of the TEKS that your child will learn, ask a teacher or principal to show you a copy; or order the TEKS from the Texas Education Agency; or, see <http://www.tea.state.tx.us/resources/curric.html>.

MATHEMATICS

In second grade mathematics, your child will learn:

NUMBER, OPERATION, AND QUANTITATIVE REASONING. Students will:

- Use number models to represent, compare, and order whole numbers
- read numbers less than 1,000
- name fractional parts of a whole or set of objects
- recall and apply basic addition facts
- add and subtract with two-digit numbers
- determine the value of a collection of coins
- model multiplication and division

PATTERNS, RELATIONSHIPS, AND ALGEBRAIC. Students will:

- find patterns in the 100s chart
- use place value to compare and order numbers
- use patterns to remember addition facts
- solve subtraction problems using fact families
- generate ordered pairs from a real-life situation
- identify and extend a list of ordered pairs
- solve problems using patterns

GEOMETRY AND SPATIAL REASONING. Students will:

- identify attributes of shapes and solids
- compare shapes and solids using attributes
- cut geometric shapes apart and identify the new shapes made
- locate and name whole numbers on a number line

MEASUREMENT. Students will:

- identify models for standard units of length, capacity, and weight
- measure using standard units
- describe length of an activity

- read a thermometer to gather data
- describe time on a clock (hours, minutes)

PROBABILITY AND STATISTICS. Students will:

- construct picture and bar graphs
- draw conclusions and answer questions from graphs
- describe an event as more likely or less likely

PROBLEM SOLVING. Students will:

- identify mathematics in everyday situations
- use a problem-solving model
- select or develop an appropriate problem-solving strategy
- use tools such as real objects, manipulatives, and technology to solve problems
- relate informal language to mathematical language and symbols
- reason and support their thinking using objects, works, pictures, numbers, and technology

ENGLISH LANGUAGE ARTS AND READING

In second grade language arts, your child will learn:

LISTENING/SPEAKING. Students will:

- listen responsively to stories and other texts read aloud
- choose and adapt spoken language according to the audience, purpose, and occasion
- identify rhymes, repeated sounds or instances of onomatopoeia
- compare stories and other literature that reflect different regions, customs, and cultures
- ask and answer relevant questions
- make contributions to small or large group discussions
- gain increasing control of grammar, such as subject-verb agreement, complete sentences and correct tense usage

READING. Students will:

- decode using all letter sound correspondences
- use knowledge of syntax (word order) and semantics (word meaning) to identify unfamiliar words
- read and comprehend a variety of second-grade-level texts fluently
- learn new vocabulary words through wide reading
- make and explain important inferences in a story
- gather important information using resources and references
- read silently for increasing periods of time

WRITING. Students will:

- write to record ideas and reflections for a variety of audiences
- use more complex capitalization, punctuation, and spelling
- compose complete sentences in written texts and use appropriate end punctuation
- engage in the writing process by generating ideas and developing and polishing final copies of compositions
- identify the most effective features of a piece of writing using criteria generated by the teacher and class
- take simple notes from relevant sources, such as classroom guests, information books, and media sources

SCIENCE

In second grade science, your child will learn:

SCIENTIFIC INVESTIGATIONS. Students will:

- conduct classroom and field investigations using safe practices
- learn how to use and converse resources

SCIENTIFIC, INQUIRY AND CRITICAL THINKING. Students will:

- ask questions about organisms, objects, and events
- plan and conduct simple descriptive investigations
- compare results of investigations with what students know about the world
- explain a problem and identify a task and solution related to the problem

TOOLS AND MODELS. Students will:

- collect information using tools including rulers, meter sticks, measuring cups, clocks, hand lenses, computers, thermometers and balances
- measure and compose organisms and objects

PROPERTIES AND PATTERNS. Students will:

- classify organisms, objects, and events based on properties and patterns
- identify, predict, replicate, and create patterns

SYSTEMS. Students will:

- know that systems have parts and are composed of organisms and objects
- identify parts that, when put together, can do things they cannot do by themselves

CHANGE. Students will:

- observe, measure, and analyze changes, including weather, the night sky, and seasons
- identify, predict, and test uses of heat to cause change

LIVING ORGANISMS AND NON-LIVING OBJECTS. Students will:

- identify characteristics of living organisms and non-living objects

BASIC NEEDS OF ORGANISMS. Students will:

- identify external characteristics of plants and animals that allow their needs to be met
- compare the ways organisms depend on each other on their environments

PROCESS OF THE NATURAL WORLD. Students will:

- describe the water cycle
 - identify uses of natural resources
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SOCIAL STUDIES

In second grade social studies, your child will learn:

HISTORY. Students will:

- explain the significance of celebrations, such as Independence Day and landmarks, such as state and national capitol building
- describe and measure calendar time
- create and interpret timelines
- name several sources of information about a given event
- compare various interpretations of the same time period
- identify contributions of people, such as Henrietta King and Robert Fulton

GEOGRAPHY. Students will:

- use symbols, find locations, and determine directions on maps and globes
- draw maps to show places and routes
- identify major land forms and bodies of water on maps and globes
- compare information from different sources about places and regions
- identify ways people can conserve and replenish natural resources

ECONOMICS. Students will:

- explain how work provides income
- explain choices people have in a free enterprise system
- identify roles of producers and consumers

GOVERNMENT. Students will:

- identify functions of government
- identify governmental services in the community
- compare roles of public officials and identify ways they are selected

CITIZENSHIP. Students will:

- identify characteristics of good citizenship and identify historic figures and ordinary people who exemplify good citizenship
- explain patriotic songs and symbols

CULTURE. Students will:

- identify stories, statues, and other examples of local cultural heritage

SCIENCE, TECHNOLOGY, AND SOCIETY. Students will:

- describe how science and technology have changed ways people meet basic needs and have changed communication, transportation, and recreation

SOCIAL STUDIES SKILLS. Students will:

- obtain information from a variety of sources
- use tables of contents and glossaries to locate information
- sequence and categorize information
- identify main ideas, make predictions, and compare and contrast
- express ideas orally and create written and visual material
- use problem solving and decision making process