



Third 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 third grade mathematics, your child will learn:

NUMBER, OPERATION, AND QUANTITATIVE REASONING. Students will:

- use place value to read, write, and describe numbers
- compare and order whole numbers less than 10,000
- determine value of a collection of coins and bills
- construct fractional models and compare fractions
- name fractional parts of a whole or set using symbols
- construct models of equivalent fractions
- model addition and subtraction
- add and subtract with numbers less than 1,000
- learn and apply multiplication facts
- multiply using a one-digit multiplier
- use models for division and record the solutions
- round numbers to tens or hundreds
- estimate sums and differences

PATTERNS, RELATIONSHIPS, AND ALGEBRAIC THINKING. Students will:

- make predictions and solve problems using patterns
- identify patterns in multiplication facts
- identify fact families for multiplication and division
- generate tables of ordered pairs
- identify and extend patterns of ordered pairs

GEOMETRY AND SPATIAL REASONING. Students will:

- name, describe, and compare shapes and solids
- identify congruent shapes
- create and identify lines of symmetry
- locate and name whole numbers and fractions on a number line

MEASUREMENT. Students will:

- estimate and measure length using metric and customary units
- find the perimeter of a figure
- determine area using concrete models
- tell and write time on digital and traditional clocks
- measure length, area, temperature, and time to solve problems

PROBABILITY AND STATISTICS. Students will:

- collect, organize, record, and display data in picture and bar graphs
- interpret information from graphs
- describe events as more likely, less likely or equally likely

PROBLEM SOLVING. Students will:

- identify the mathematics in everyday situations
- use a problem-solving model
- Use tools, such as real objects, manipulatives, and technology to solve problems
- Explain and record observations
- Relate informal language to mathematical language and symbols
- Make generalizations from patterns
- Justify why an answer is reasonable and explain the solution process

ENGLISH, LANGUAGE ARTS, AND READING

In third grade language arts, your child will learn:

LISTENING/SPEAKING. Students will:

- listen to solve problems, gather information or appreciate stories
- listen to identify the musical elements of literary language, such as rhymes, repeated sounds or instances of onomatopoeia
- gain increasing control of grammar, such as subject-verb agreement, complete sentences, and correct tense usage
- compare languages and oral traditions (family stories) that reflect customs, regions and cultures

READING. Students will:

- use knowledge of decoding and structural cues such as prefixes, suffixes, and derivational endings to identify words
- read and comprehend a variety of third-grade level texts
- read for enjoyment, to solve problems, to gather information, and to extend vocabulary
- make and explain important inferences in a story
- demonstrate knowledge of synonyms, antonyms, and multi-meaning words
- gather important information using resources and references
- analyze the literary elements of narrative text
- read orally from familiar texts with accuracy, expression, appropriate phrasing, and attention to punctuation
- read silently for increasing periods of time

WRITING. Students will:

- write to record ideas and reflections for a variety of audiences
- use increasingly complex capitalization, punctuation, and spelling
- develop, revise, and edit writing and compositions using established criteria
- write for varied purposes, including to achieve a sense of audience, make precise word choices, and create vivid images
- use available technology for word processing, spell checking, and printing
- compile notes into reports, outlines, and summaries

SCIENCE

In third grade science, our child will learn:

SCIENTIFIC INVESTIGATIONS. Students will:

- conduct safe, environmentally appropriate, and ethical investigations
- make wise choices in use, conservation, disposal or recycling of materials.

SCIENTIFIC INQUIRY AND CRITICAL THINKING. Students will:

- formulate testable hypotheses and construct reasonable explanations from evidence
- construct simple graphs, tables, maps, models, and charts to organize information
- analyze scientific explanations as to their strengths and weaknesses, using scientific evidence
- evaluate the impact of research on scientific thought, society, and the environment
- study the history of science and contributions of scientists

TOOLS AND MODELS. Students will:

- use tools, including calculators, safety goggles, microscopes, sound recorders, clocks, computers, hand lenses, thermometers, meter sticks, magnets, balances, and compasses
- demonstrate that repeated investigations may increase reliability

SYSTEMS. Students will:

- observe a simple system and describe the role of various parts

FORCES CAUSE CHANGE. Students will:

- measure changes in an object's position when a force is applied
- know Earth's surface can be changed by forces

PHYSICAL PROPERTIES. Students will:

- gather data about temperature, magnetism, and hardness
- identify matter as liquids, solids, and gases

NEEDS OF LIVING ORGANISMS. Students will:

- know that organisms need food, water, light, air, and habitat

- observe organisms with similar needs that compete for resources
- describe environmental changes
- describe how organisms modify their environment

ADAPTATIONS. Students will:

- analyze how adaptive characteristics help individuals survive

INHERITED TRAITS AND LEARNED CHARACTERISTICS. Students will.

- Identify some inherited traits of plants and animals

PROCESSES OF THE NATURAL WORLD. Students will:

- classify earth materials in local area as renewable, nonrenewable or inexhaustible
- identify properties of soil, such as color and texture
- identify the position of planets in relation to the Sun

SOCIAL STUDIES

In third grade social studies, your child will learn:

HISTORY. Students will:

- identify reasons people formed communities and describe how individuals, events, and ideas shaped communities over time
- compare ways people in communities meet their needs, in the past and present
- create and interpret timelines and describe historical times in terms of years, decades, centuries

GEOGRAPHY. Students will:

- compare how people in different communities adapt to or modify variations in the physical environment
- use cardinal and intermediate directions, scale, compass rose, grid, and symbols to locate places and interpret maps and globe

ECONOMICS. Students will:

- identify ways of earning, spending, and saving money
- define scarcity and give examples of its impact on goods and services and on interdependence within and among communities
- explain how supply and demand affects price and how cost of production and selling price affect profits

GOVERNMENT. Students will:

- describe the basic structure of local government, identify local government officials, and explain how they are chosen
- identify services commonly provided by local governments and explain how they are financed

CITIZENSHIP. Students will:

- identify characteristics of good citizenship and identify people who exemplify good citizenship
- explain the importance of civic participation and identify examples of actions people can take to improve the community
- identify examples of organizations that service the common good

CULTURE. Students will:

- explain the significance of ethnic and/or cultural celebrations in the state, nation, and world
- retell the heroic deeds of real and fictional heroes who have helped to shape the culture of communities
- identify selected writers and artists whose works exemplify the cultural heritage of communities around the world

SCIENCE, TECHNOLOGY, AND SOCIETY. Students will:

- identify scientist and inventors who have created new technology
- explain the impact of new technology on communities around world

SOCIAL STUDIES SKILLS. Students will:

- apply critical-thinking skills, communicate effectively, and use problem solving and decision making processes