

First Grade Syllabus

ELA/Social Studies

Course Description/Goals:

This course develops students' foundational literacy skills through instruction aligned to the Texas Essential Knowledge and Skills (TEKS) for English Language Arts and Reading. Students will engage in daily reading, writing, listening, and speaking experiences that promote language development and comprehension. Focus areas include building phonics and decoding skills, expanding vocabulary, reading fluency, understanding literary and informational texts, and writing for various purposes. Students will learn to use the writing process, apply grammar and conventions, and develop oral and written communication skills. Instruction is differentiated to support all learners and to foster a lifelong love of reading and writing.

Course TEKS/Objectives:

ELA - The English language arts and reading Texas Essential Knowledge and Skills (TEKS) embody the interconnected nature of listening, speaking, reading, writing, and thinking through the seven integrated strands of developing and sustaining foundational language skills; comprehension; response; multiple genres; author's purpose and craft; composition; and inquiry and research. The strands focus on academic oracy (proficiency in oral expression and comprehension), authentic reading, and reflective writing to ensure a literate Texas. The strands are integrated and progressive with students continuing to develop knowledge and skills with increased complexity and nuance in order to think critically and adapt to the ever-evolving nature of language and literacy.

Social Studies -In Grade 1, students study their relationship to the classroom, school, and community to establish the foundation for responsible citizenship in society. Students develop concepts of time and chronology by distinguishing among past, present, and future events. Students identify anthems and mottoes of the United States and Texas. Students create simple maps to identify the location of places in the classroom, school, and community. Students explore the concepts of goods and services and the value of work. Students identify individuals who exhibit good citizenship. Students describe the importance of family customs and traditions and identify how technology has changed family life. Students sequence and categorize information. Students practice problemsolving, decision-making, and independent-thinking skills.

Course Outline:

Click on this [link](#) to access the **ELA** Year at a Glance for a quarterly content overview for Reading, Phonics, Writing, Grammar, and Social Studies.

Math

Course Description/Goals:

For students to become fluent in mathematics, students must develop a robust sense of number. The National Research Council's report, "Adding It Up," defines procedural fluency as "skill in carrying out procedures flexibly, accurately, efficiently, and appropriately." As students develop procedural fluency, they must also realize that true problem solving may take time, effort, and perseverance. Students in Grade 1 are expected to perform their work without the use of calculators. The primary focal areas in Grade 1 are understanding and applying place value, solving problems involving addition and subtraction, and composing and decomposing two-dimensional shapes and three-dimensional solids. Students use relationships within the numeration system to understand the sequential order of the counting numbers and their relative magnitude. Students extend their use of addition and subtraction beyond the actions of joining and separating to include comparing and combining. Students use properties of operations and the relationship between addition and subtraction to solve problems. By comparing a variety of solution strategies, students use efficient, accurate, and generalizable methods to perform operations. Students use basic shapes and spatial reasoning to model objects in their environment and construct more complex shapes. Students are able to identify, name, and describe basic two-dimensional shapes and three-dimensional solids.

Course TEKS/Objectives:

The 1st Grade TEKS (Texas Essential Knowledge and Skills) are organized into reporting categories, each focusing on a specific strand of mathematics. These categories include: Numerical Representations and Relationships, Computations and Algebraic Relationships, Geometry and Measurement, and Data Analysis and Personal Financial Literacy. Each category contains specific standards (TEKS) that students are expected to master:

<https://tea.texas.gov/sites/default/files/ch111a.pdf>

The process standards are integrated at every grade level and course. When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, algorithms, paper and pencil, and technology and techniques such as mental math, estimation, number sense, and generalization and abstraction to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, computer programs, and language. Students will use mathematical relationships to generate solutions and make connections and predictions. Students will analyze mathematical relationships to connect and communicate mathematical ideas. Students will display, explain, or justify mathematical ideas and arguments using precise mathematical language in written or oral communication.

Course Outline:

Click on this [link](#) to access the **Math** Year at a Glance for a quarterly content overview.

Science

Course Description/Goals:

Science, as defined by the National Academy of Sciences, is the "use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process." This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. In first grade, students continue to build their science knowledge by exploring the natural world through observation and investigation. Students will study matter and its physical properties, the basics of force and motion, the Sun and Moon, seasonal weather changes, and the needs of living things. They will ask questions, collect information, and share their ideas while learning how to work like scientists and engineers. First grade science helps students connect what they see every day to the world of science.

Course TEKS/Objectives:

In Kindergarten through Grade 5 Science, content is organized into recurring strands. The concepts within each grade level build on prior knowledge, prepare students for the next grade level, and establish a foundation in science. In first grade, students focus on concepts like matter and its properties, force and motion, Earth and space, living things and their environments, and how science works. Each category contains specific standards (TEKS) that students are expected to master:

<https://tea.texas.gov/about-tea/laws-and-rules/texas-administrative-code/19-tac-chapter-112>

In first grade, students continue to build their science knowledge by exploring the natural world through careful observation and simple investigations. The TEKS emphasize using recurring strands that help students connect ideas and prepare for higher science learning. Students will describe and classify matter by its properties, such as heavier or lighter, and learn how heat can cause changes. They will investigate how pushes and pulls make things move and study how the Sun and Moon appear in the sky. Students will collect and record weather data and identify ways plants and animals meet their basic needs for survival. They will practice using tools like hand lenses, thermometers, and simple charts to record what they see. First grade science helps students build confidence in asking questions, making predictions, and explaining what they find out.

Course Outline:

Click on this [link](#) to access the **Science** Year at a Glance for a quarterly content overview.